



# Quantium 500T



## Parts Manual



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## REVISION RECORD

| Date       | Revision | Page         | Issue | Reason                                                                                                                           |
|------------|----------|--------------|-------|----------------------------------------------------------------------------------------------------------------------------------|
| 28/09/2001 | 1        | All          | A     | Original Issue                                                                                                                   |
| 06/06/2002 | 2        | Back cover   | B     | Change of telephone numbers and email addresses                                                                                  |
| 06/06/2002 | 2        | 3 to 4       | B     | Revised Main Contents                                                                                                            |
| 06/06/2002 | 2        | 1-2          | B     | Change of wording                                                                                                                |
| 06/06/2002 | 2        | 2-1          | B     | Revised Section 2 Contents                                                                                                       |
| 06/06/2002 | 2        | 2-2,2-3      | B     | New parts added (brackets, seals, glands, bushing skiffy); rivets changed to nuts and bolts                                      |
| 06/06/2002 | 2        | 2-4 to 2-7   | B     | Alternative part nos added for items 12+13; item 6 changed to item 22; item 23 replaced                                          |
| 06/06/2002 | 2        | 2-13,2-14    | A     | Two new pages inserted                                                                                                           |
| 06/06/2002 | 2        | 2-6 to 2-14  | B     | Repagination (previously on pages 2-4 to 2-12)                                                                                   |
| 06/06/2002 | 2        | 3-1          | B     | Revised Section 3 Contents                                                                                                       |
| 06/06/2002 | 2        | 3-2,3-3      | B     | Item 5 changed to M4x16; item 7 changed to M3 screw, nut + washer                                                                |
| 06/06/2002 | 2        | 3-5          | B     | Comments added for item 1                                                                                                        |
| 06/06/2002 | 2        | 3-6 to 3-9   | B     | New parts added (washer, nut, screw, cap, skiffy, endstop); item 6 changed to M5x30; item 17 removed                             |
| 06/06/2002 | 2        | 3-10,3-11    | B     | New part added (self tap screw); item 4 changed M5x30; item 7 changed to 904072-001; descriptions changed for items 20+21        |
| 06/06/2002 | 2        | 3-12,3-13    | B     | New part added (900008-016); item 5 changed to 900014-004                                                                        |
| 06/06/2002 | 2        | 3-20 to 3-26 | B     | Repagination (two drawings per page); two pages removed                                                                          |
| 06/06/2002 | 2        | 3-6 to 3-21  | B     | Repagination (previously on pages 3-4 to 3-19)                                                                                   |
| 06/06/2002 | 2        | 4-1          | B     | Revised Section 4 Contents                                                                                                       |
| 06/06/2002 | 2        | 4-2,4-3      | B     | Addition of part no 903466-001                                                                                                   |
| 06/06/2002 | 2        | 4-4,4-5      | B     | Addition of alternative part nos for item 10; addition of new parts for filter monitoring point option; page orientation changed |
| 06/06/2002 | 2        | 4-6,4-7      | B     | Item 5 changed to M8x35 (900016-015); addition of alternative parts for items 9+12                                               |
| 06/06/2002 | 2        | 4-10,4-11    | B     | Item 2 changed to M8x20 (900016-020); item 4 changed to M6x20 (900017-006)                                                       |
| 06/06/2002 | 2        | 4-12,4-13    | B     | Addition of alternative part no for item 12; revised description for item 9; item 1 changed to M8x16 (900016-006)                |
| 06/06/2002 | 2        | 4-16 to 4-23 | B     | New drawings inserted (Meter to Valve 130l/min - 2F2C,3F3C,4F4C,Master to Sat)                                                   |
| 06/06/2002 | 2        | 4-18, 4-19   | B     | Two parts removed (902968+902969)                                                                                                |
| 06/06/2002 | 2        | 4-24         | B     | Repagination (prev on page 4-16)                                                                                                 |
| 06/06/2002 | 2        | 4-25 to 4-29 | A     | Repagination (previously on pages 4-17 to 4-21); drawing title change                                                            |
| 06/06/2002 | 2        | 4-30 to 4-43 | A     | New drawings inserted (Valvebox to Hose 130l/min - 2F2C,3F3C,4F4C,Master; Inlet to Hose - Sat; MiniSat; Valve & Fittings)        |
| 06/06/2002 | 2        | 4-44 to 4-46 | A     | Repagination (previously on pages 4-22 to 4-24)                                                                                  |
| 06/06/2002 | 2        | 5-1          | B     | Revised Section 5 Contents                                                                                                       |
| 06/06/2002 | 2        | 5-2 to 5-5   | B     | Additional parts added (nut,bearing,screw); items 2,8,30 changed                                                                 |
| 06/06/2002 | 2        | 5-8 to 5-11  | B     | Retainer rotated (new item 32); balloons added for items 18,19+32; new parts added (901560-002, 903576)                          |
| 06/06/2002 | 2        | 5-12 to 5-15 | B     | New part added (901560-002)                                                                                                      |

| Date       | Revision | Page         | Issue | Reason                                                                                                                                                          |
|------------|----------|--------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 06/06/2002 | 2        | 5-16 to 5-19 | B     | New part added (preset keypad); description changed item 26                                                                                                     |
| 06/06/2002 | 2        | 5-20,5-21    | B     | Drawing and parts list amended to include new PSU                                                                                                               |
| 06/06/2002 | 2        | 5-29         | B     | Addition of alternative part no (901209) for item 25                                                                                                            |
| 06/06/2002 | 2        | 5-20,5-21    | B     | New drawing and parts added list for preset keypad                                                                                                              |
| 06/06/2002 | 2        | 5-35, 5-36   | A     | Two new pages inserted; repagination (previously on pages 5-33,5-34)                                                                                            |
| 06/06/2002 | 2        | 5-22 to 5-34 | B     | Repagination (previously on pages 5-20 to 5-32)                                                                                                                 |
| 06/06/2002 | 2        | 5-32, 5-33   | B     | New option added for two junction boxes.                                                                                                                        |
| 06/06/2002 | 2        | 6-1          | B     | Revised Section 6 Contents                                                                                                                                      |
| 06/06/2002 | 2        | 6-2 to 6-3   | B     | Drawing revised to include VFM option; item 9 changed to 900031-001; single phase motor alternative to item 10 added (903168); descriptions added for items 7+8 |
| 06/06/2002 | 2        | 6-4 to 6-5   | B     | Item 5 changed to 900032-001                                                                                                                                    |
| 06/06/2002 | 2        | 6-7          | B     | Alternative part nos added for items 3+7 (GRVP); filters rotated                                                                                                |
| 06/06/2002 | 2        | 6-8          | B     | New drawing inserted (VR per product)                                                                                                                           |
| 06/06/2002 | 2        | 6-9 to 6-16  | A     | New drawings & parts lists inserted (VR per product, pressure gauge, solenoid valve, VFM); repagination                                                         |
| 09/01/2003 | 3        | 5-6          | C     | New pages inserted; revised Main Contents (previously on pages 3-4)                                                                                             |
| 09/01/2003 | 3        | 1-1          | B     | Change of wording                                                                                                                                               |
| 09/01/2003 | 3        | 2-5          | C     | Add new driptray part nos for 4F3C, 4F2C                                                                                                                        |
| 09/01/2003 | 3        | 2-11         | C     | Updated to include Q100T & 200T dispensers                                                                                                                      |
| 09/01/2003 | 3        | 3-1          | C     | Revised Section 3 Contents                                                                                                                                      |
| 09/01/2003 | 3        | 3-2 to 3-5   | C     | Updated to include Q100T & 200T dispensers                                                                                                                      |
| 09/01/2003 | 3        | 3-7          | C     | Updated to include Q100T & 200T dispensers                                                                                                                      |
| 09/01/2003 | 3        | 3-16 to 3-24 | C     | Format changed                                                                                                                                                  |
| 09/01/2003 | 3        | 4-1          | C     | Revised Section 4 Contents                                                                                                                                      |
| 09/01/2003 | 3        | 4-2,4-3      | C     | Add shear valve (901108) + pipe (903853)                                                                                                                        |
| 09/01/2003 | 3        | 4-12,4-13    | C     | Addition of part nos for cable-drive tote & tote Prod 1 side A; comments added                                                                                  |
| 09/01/2003 | 3        | 4-14,4-15    | B     | Parts added for Repsol 5-8 option; nuts exploded off pipes                                                                                                      |
| 09/01/2003 | 3        | 4-22,4-23    | C     | Pipe + fittings replaced by single pipe (903107)                                                                                                                |
| 09/01/2003 | 3        | 4-24         | C     | New drawing inserted (Meter to Valve HSM 5-8)                                                                                                                   |
| 09/01/2003 | 3        | 4-25         | B     | New parts list inserted (Meter to Valve HSM 5-8)                                                                                                                |
| 09/01/2003 | 3        | 4-26,4-27    | B     | New drawing inserted (Meter to Valve SVHSM 5-5)                                                                                                                 |
| 09/01/2003 | 3        | 4-28 to 4-45 | B     | Previously on Pages 4-24 to 4-41 (drawing titles changed); item 7 on Page 4-45 changed to 904344                                                                |
| 09/01/2003 | 3        | 4-46         | B     | Previously on Page 4-42; heading change; swap position of items 4+12; adaptor added (902968)                                                                    |
| 09/01/2003 | 3        | 4-47         | A     | New page inserted (previously on Page 4-43); heading change; swap position of items 4-12; adaptor added (902968)                                                |
| 09/01/2003 | 3        | 4-48 to 4-50 | A     | New pages inserted (previously on Pages 4-44 to 4-46 (+ drawing titles changed); blank)                                                                         |
| 09/01/2003 | 3        | 5-1          | C     | Revised Section 5 Contents                                                                                                                                      |
| 09/01/2003 | 3        | 5-2 to 5-5   | C     | Item 4 removed; silencer ballooned; item 52 changed to 904108; non-OPT calc box added                                                                           |
| 09/01/2003 | 3        | 5-6,5-7      | B     | Remove HOM boards + screws                                                                                                                                      |
| 09/01/2003 | 3        | 5-8 to 5-11  | C     | Add seal (900670); delete item 26                                                                                                                               |
| 09/01/2003 | 3        | 5-12 to 5-15 | C     | Add seal (900670); delete item 22                                                                                                                               |
| 09/01/2003 | 3        | 5-30,5-31    | C     | New parts added for Shock Detection option                                                                                                                      |
| 09/01/2003 | 3        | 5-36         | B     | New drawing inserted for MiniSat Junction Box                                                                                                                   |



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## 1 INTRODUCTION

### 1.1 How To Use This Manual

It is recommended that all relevant persons familiarise themselves with the contents of this manual prior to carrying out any operations or procedures.

This manual is divided into sections which are described as follows: -

#### Section 1 - Introduction

This section contains information on how to use the manual, the scope of equipment covered, recommendations on qualified technicians and contact information. It also includes relevant health and safety information required for the safe practice of common maintenance procedures.

#### Section 2 - Cladding

This section contains the part identification list for the dispenser cladding.

#### Section 3 - Hose Management

This section contains the part identification list for the dispenser hose management.

#### Section 4 - Dispenser Hydraulics

This section contains the part identification list for the dispenser hydraulics.

#### Section 5 - Dispenser Electronics

This section contains the part identification list for the dispenser electronics.

#### Section 6 - Vapour Recovery

This section contains the part identification list for the dispenser vapour recovery system.

### 1.2 Product Scope

The equipment and models covered by the contents of this manual are: -

The Quantum 500T range of fuel dispensers, with the exception of the LPG version. For information on Quantum LPG dispensers refer to the relevant LPG manual as provided by Tokheim.

All dispensers in the range use the same standard sub-assemblies and offer a wide range of configurations and includes provision for options such as integrated payment terminal, vapour recovery etc.

### 1.3 Authorised Technicians

Only qualified technicians familiar with the contents of this manual should carry out the procedures contained herein.



**WARNING : ANY ATTEMPTS TO CARRY OUT THE PROCEDURES OF THIS MANUAL, BY UNQUALIFIED OR UNAUTHORISED PERSONS, MAY RESULT IN SERIOUS INJURY OR LOSS OF LIFE.**

**NOTE : THIS MANUAL IS NOT INTENDED TO REPLACE THE SERVICES OF A FULLY QUALIFIED TECHNICIAN.**

## **1.4 Contact Information**

For information relating to the contents of this manual please contact: -

Technical Author  
Tokheim UK Ltd.  
Dundee, Scotland

For technical assistance please contact the appropriate service division listed on the back cover of this manual.

## **1.5 Health & Safety**

### **1.5.1 SAFETY CHECKLIST**

- It is obligatory that this checklist be fully complied with during all work at the petrol station, particularly construction or repair work.
- It is the duty of the contractor to ensure that all workers employed by him obey each and all of the relevant laws, directives and other regulations.

#### **Areas where special caution is required**

- The insides of tanks, tubes, dome shafts, filling shafts, change over shafts, vessels and dispensers.
- All areas in which fuel vapour that is heavier than air can accumulate, e.g. fuel separator, draining shafts, low located rooms, cellars, excavations, pipe trenches etc.
- The areas around the outlets of tank ventilation pipes, especially during the filling phase.
- All areas near dispensers, tanker lorries and other vehicles while they are being tanked up, and particularly when there is a lack of wind.
- A radius of 1.0 metres around petrol carrying pipes, as well as pipes that are not vapour free.
- Silt traps.

### **1.5.2 DUTIES OF THE EMPLOYEES**

- To ensure optimal accident prevention in our company, in addition to general rules applying to worker's protection, it is necessary to take into account all the national protection of workers legislation and to actively support all measures which enhance safety standards.
- It is an employee's duty to follow all company directives regarding the prevention of accidents, unless such directives can be proved to be unfounded.
- Employees should not follow any instructions that go against safety standards.
- Employees are only permitted to use equipment for its original purpose, and this is defined by the company alone.

- If an employee detects equipment that is deficient in terms of safety, he shall eliminate this deficiency immediately. If such safety rectification is not part of his defined area of activities, or if his knowledge is insufficient to carry out such work he must immediately inform his superior about the detected safety deficiency.

This equally applies to:

- 1) **Work Materials** which have not been correctly packed or correctly marked in order to meet safety requirements.
- 2) **Work Methods** or work processes which have not been correctly coordinated or controlled in order to meet safety requirements.
- 3) **Where dangerous activities are carried out by several persons**, the need for a permanent faultless communication between them in order to avoid dangerous events shall require the appointing of one person in order to carry out overall supervision.

### 1.5.3 HAZARDS

Prior to starting work, the dispenser must be isolated (i.e. entirely disconnected from the mains supply) and the mains supply switch locked in the OFF position. The submerged pump (if applicable) and control signals from the dispenser must also be isolated. This is done to provide safety for the technician. As a further precaution, switch off the mains supply in the service station shop and place a clear notice on the switch to avoid it being turned on again inadvertently.



**WARNING : THE CONNECTION AND DISCONNECTION OF ELECTRICAL CONNECTIONS MAY ONLY BE CARRIED OUT BY QUALIFIED PERSONNEL AUTHORISED FOR SUCH ACTIVITIES. WORK IN DANGEROUS AREAS MUST BE MADE SAFE BY OBSERVING ALL THE NATIONAL SAFETY REQUIREMENTS IN FORCE.**

It is not permitted to put a fuel dispenser into operation before an authorised official has inspected it and released it. This depends upon the national regulations in force.

Dismantled packaging and cladding must be stored in such a way as to avoid damage to components or injuries to persons. Covers that can be opened, such as the calculator housing, should be handled with care. Ensure that the retaining catch is placed in the correct position to prevent the cover falling onto the head of the service engineer or other persons in the area.

At unattended service stations, every end-user should be able to read the User Instructions. They should be visible on a notice board or integrated into the DIT and should be sufficiently well lit so that they can be read at night.

At unattended service stations break away couplings must always be used to reduce the danger caused by a motorist driving off with the nozzle still in the tank.

## 1.5.4 WARNING SIGNS

The following warning signs are fitted as standard, on the dispenser, however they may vary according to individual country requirements or customer specifications.

| SIGN                                                                                | MEANING                               | POSITION                                              |
|-------------------------------------------------------------------------------------|---------------------------------------|-------------------------------------------------------|
|    | Do not use mobile phones              | Visible from both sides of dispenser                  |
|    | Naked flames and smoking forbidden    | Visible from both sides of dispenser                  |
|   | Do not spill fuel on the ground       | Visible from both sides of dispenser                  |
|  | Stop vehicle engine                   | Visible from both sides of dispenser                  |
|  | Trucks only                           | At Diesel high speed dispensers near the nozzle boots |
|  | Do not drive away with nozzle in tank | Visible from both sides of dispenser                  |
| <b>For more information see User Manual available at this station</b>               |                                       | Next to User Instructions near the nozzle boot        |

**1.5.5 PERSONAL PROTECTIVE EQUIPMENT (PPE)****PROTECTIVE CLOTHING**

The following clothing should be worn **at all times** during installation and maintenance procedures:-

- Protective helmet.
- Protective shoes (conductive).
- Protective gloves and/or protective hand cream.
- Anti static clothing.
- Eye protection.

**SAFETY EQUIPMENT FOR WORKING IN HAZARDOUS AREAS**

The following safety equipment is required for working in hazardous areas:-

- Only spark free tools are permitted for work on dispensers.
- Work on bearings is only permitted using the standard workshop tools authorised for this kind of work.
- The use of all electrical tools is strictly prohibited.
- Only the use of explosion protected work lights is permitted.
- The use of telecommunications equipment in hazardous areas is strictly prohibited.

**SAFETY INSTRUCTIONS**

The following safety instructions must be adhered to during installation and maintenance procedures:-

- Inhalation of petrol vapour must be avoided. Suitable precautions must be taken and where necessary respirators used.
- Avoid direct contact of fuel with the skin.
- Use suitable protective clothing, protective gloves and/or protective hand cream.
- Avoid fuel spills.
- No smoking, no naked flames are permitted.
- Long hair and ties can get caught in moving parts. Hair must be suitably covered.

**1.6 Standards & Certificates**

This dispenser is constructed in conformity with the requirements of all the applicable European Directives (Machinery 98/98/37/EC; EMC 89/336/EEC; ATEX 94/9/EC).

The components used within the dispenser, including connection facilities, are selected in accordance with the European Standard EN 50014 (Electrical apparatus for potentially explosive atmospheres), and the supplementary Standards listed therein.

Diesel dispensers do not create an explosive hazard, but due to the probability of these being in close proximity to gasoline dispensers, the same construction rules are applicable.

The dispenser is certified by SIRA as suitable for use in Potentially Explosive Atmospheres Directive 94/9/EC, and marked to be in accordance with the European Dispenser Construction Standard EN 13617-1.

This dispenser is also certified to OIML International Recommendations R117 and R118. Certificate Numbers R117/1995-NL-01.04 & 08.

The production and end test is controlled through the Quality Assurance systems within the Tokheim Manufacturing Centres.

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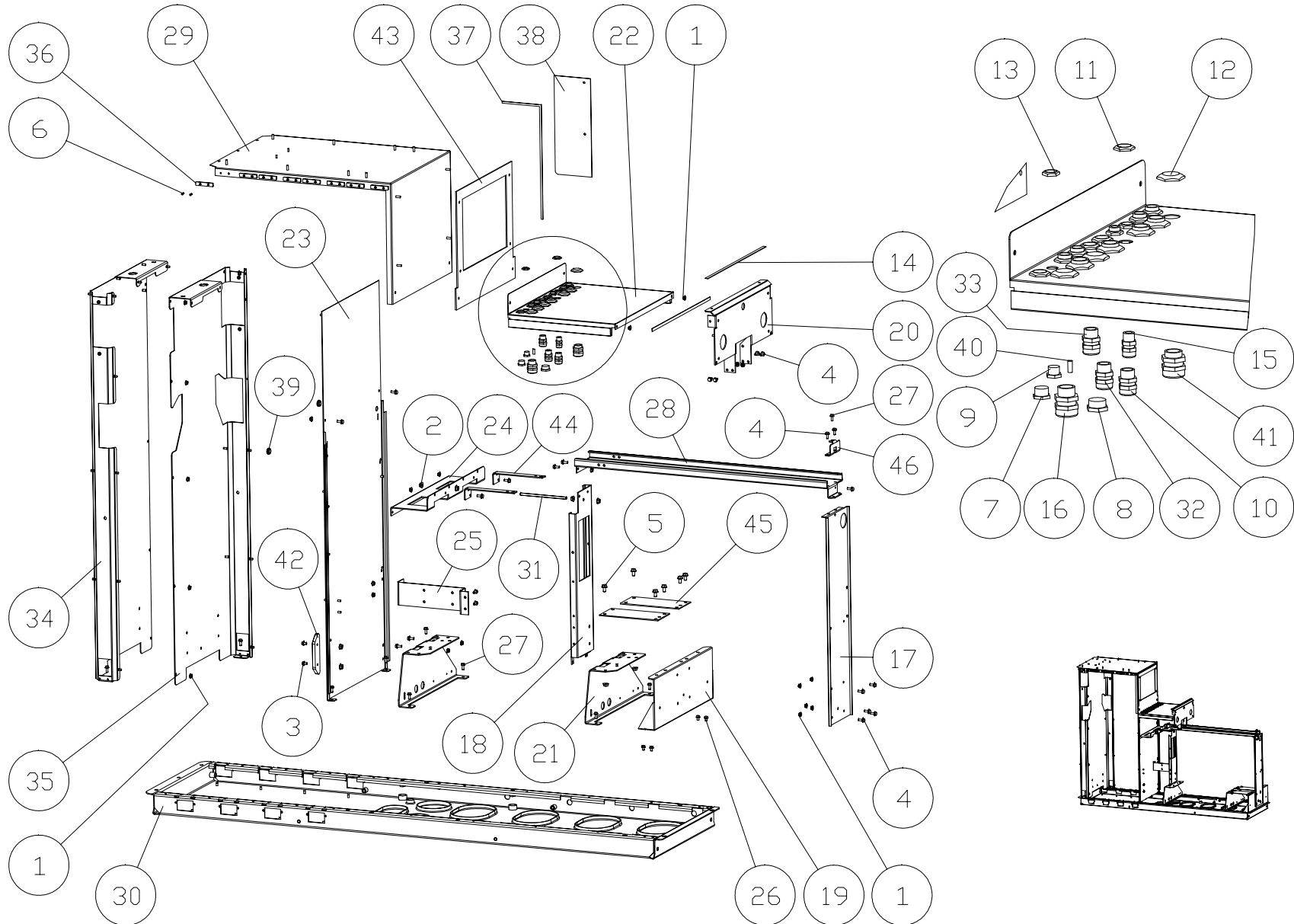
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2.2 Cladding Assembly ..... 2-6

2.3 Lock Assembly ..... 2-10

2.4 Hinge Assembly ..... 2-12

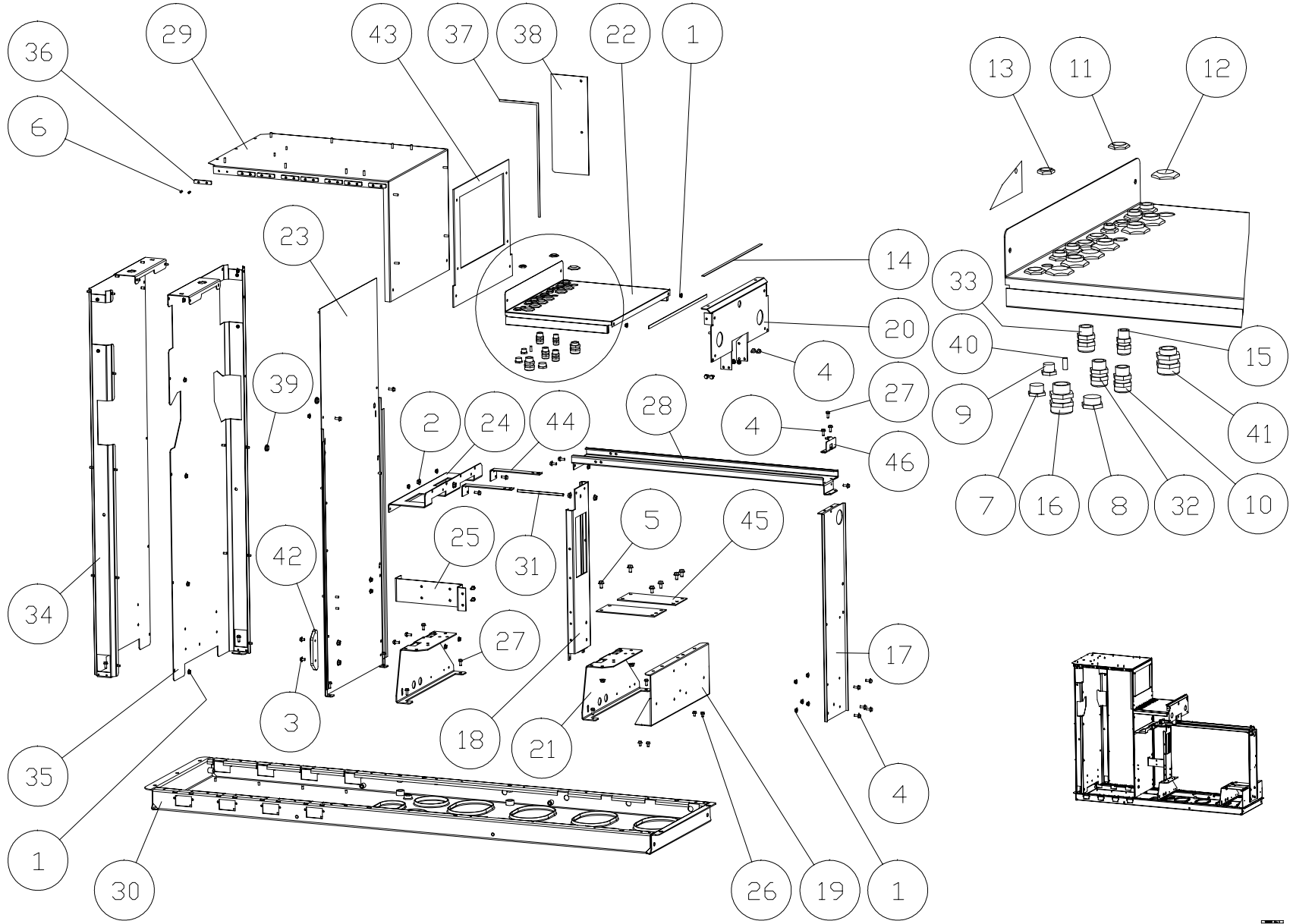
For MSAT (mini satellite), please refer to Section 4



## 2.1 Frame Assembly

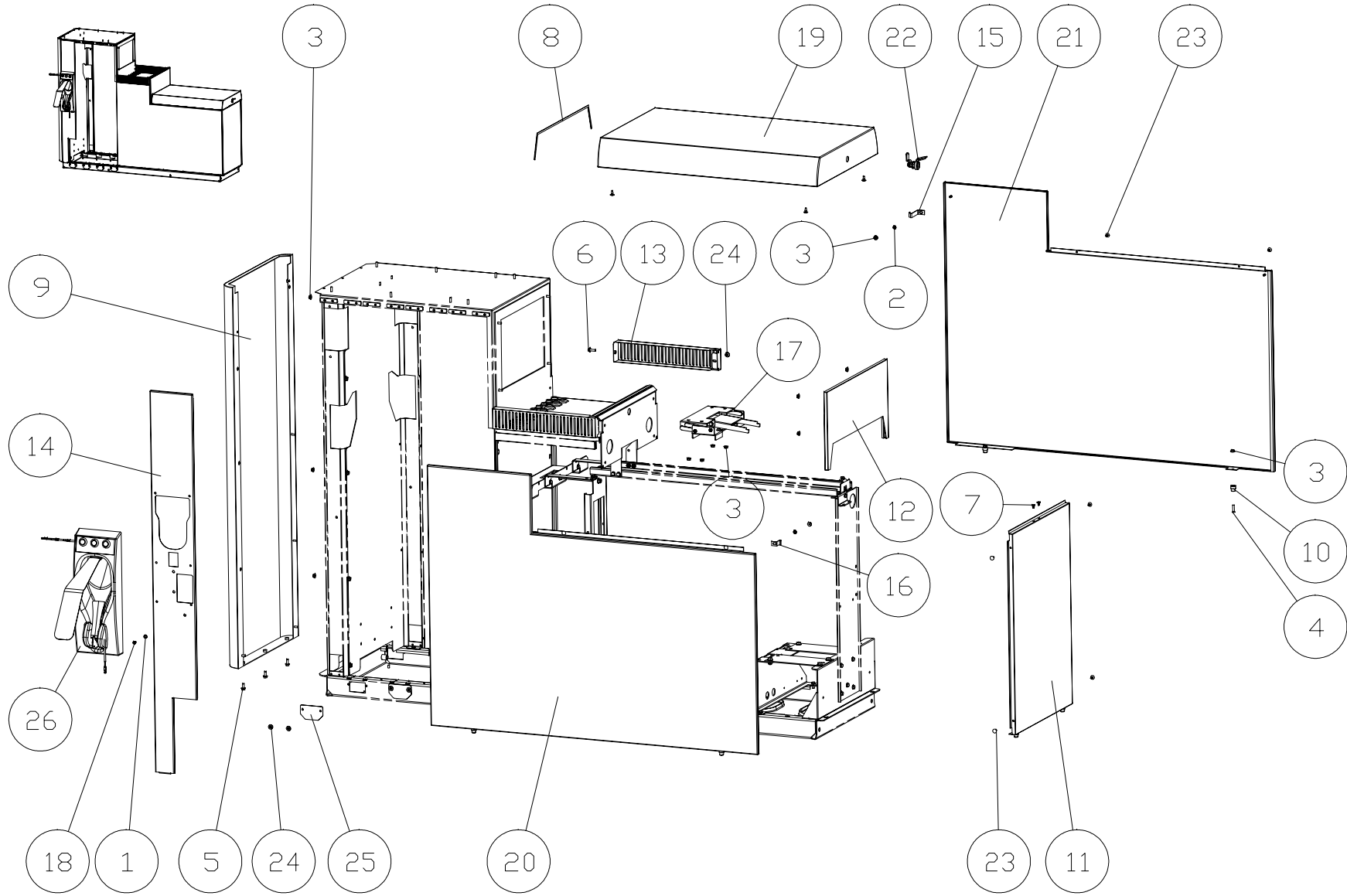
| Item No | Description                        | Désignation Français           | Part No    | Comments |
|---------|------------------------------------|--------------------------------|------------|----------|
| 1       | Nut Hex Self Lock M6               | Ecrou Bride Autobloquant M6    | 900013-003 |          |
| 2       | Nut Hex Self Lock M8               | Ecrou Bride Autobloquant M8    | 900013-004 |          |
| 3       | Screw HFHSL M6x10                  | Vis Hex Br Autobl M6x10        | 900016-003 |          |
| 4       | Screw HFHSL M6x16                  | Vis Hex Br Autobl M6x16        | 900016-004 |          |
| 5       | Screw HFHSC M8x16                  | Vis Hex Br Autobl M8x16        | 900016-006 |          |
| 6       | Rivet Blind Stainless steel 4.0x16 | Rivet aveugle inox 4.0x16.0    | 900025-003 |          |
| 7       | Plug M20 x1.5 EEXE/IP66            | Bouchon PG M20 x 1.5 EEXE/IP66 | 900044-001 |          |
| 8       | Plug M25 x 1.5 EEXE/IP66           | Bouchon PG M25 x 1.5 EEXE/IP66 | 900044-002 |          |
| 9       | Plug M16 x 1.5 EEXE/IP66           | Bouchon M16 x 1.5 EEXE/IP66    | 900044-004 |          |
| 10      | Gland M20 x 1.5 EEXE/IP66-68       | P.E. M20 x 1.5 EEXE/IP66-68    | 900064-001 |          |
| 11      | Nut Hex M20 x 1.5 (Bartec)         | Ecrou Hex M20 x 1.5 (Bartec)   | 900088-001 |          |
| 12      | Nut Hex M25 x 1.5 (Bartec)         | Ecrou Hex M25 x 1.5 (Bartec)   | 900088-002 |          |
| 13      | Nut Hex M16 x 1.5 (Capri)          | Ecrou Hex M16 x 1.5 (Capri)    | 900088-004 |          |
| 14      | Seal vapour barrier                | Joint barrière de vapeur       | 900351     |          |
| 15      | Gland M16 x 1.5 Eexell/IP66-68     | P.E. M16 x 1.5 Eexell/IP66-68  | 900362-001 |          |
| 16      | Gland M25 x 1.5 IP66 4x6mm         | P.E. M25 x 1.5 IP66 4x6mm      | 900363-001 |          |
| 17      | Vertical Frame Hydr End            | Chassis Vertic Extr Hydr       | 900369     |          |
| 18      | Vertical Frame Hydr Opt Blk        | Chassis Vertic Opt Hydr Block  | 900370     |          |
| 19      | Pump Support End                   | Extr Support Pompe             | 900371     |          |
| 20      | Frame Vertical Support VB          | Chassis Vertical Support VB    | 900372     |          |
| 21      | Bracket - pump                     | Support pompe                  | 900397     |          |
| 22      | Vapour Barrier OB Q500T            | Ecran Vapeur OB Q500T          | 900418     |          |
| 23      | Fire Barrier Q500T                 | Ecran feu Q500T                | 900420     |          |
| 24      | Support Valvebox Q500T             | Support cage soupape Q500T     | 900421     |          |
| 25      | Bracket Junction Box               | Support boîte connexion        | 900439     |          |
| 26      | Screw HFHTF M6x10                  | Vis Hex Taraudeuse M6x10       | 900708-001 |          |
| 27      | Screw HFHTF M6x16                  | Vis Hex Taraudeuse M6x16       | 900708-003 |          |
| 28      | Horizontal Frame Hydr 5F           | Chassis Horizont Hydr 5F       | 900883     |          |
|         | Horizontal Frame Hydr 4F           | Chassis Horizont Hydr 4F       | 900886     |          |
|         | Horizontal Frame Hydr 3F           | Chassis Horizont Hydr 3F       | 900885     |          |
|         | Horizontal Frame Hydr 2F           | Chassis Horizont Hydr 2F       | 900884     |          |

Cont.



## 2.1 Frame Assembly (Cont.)

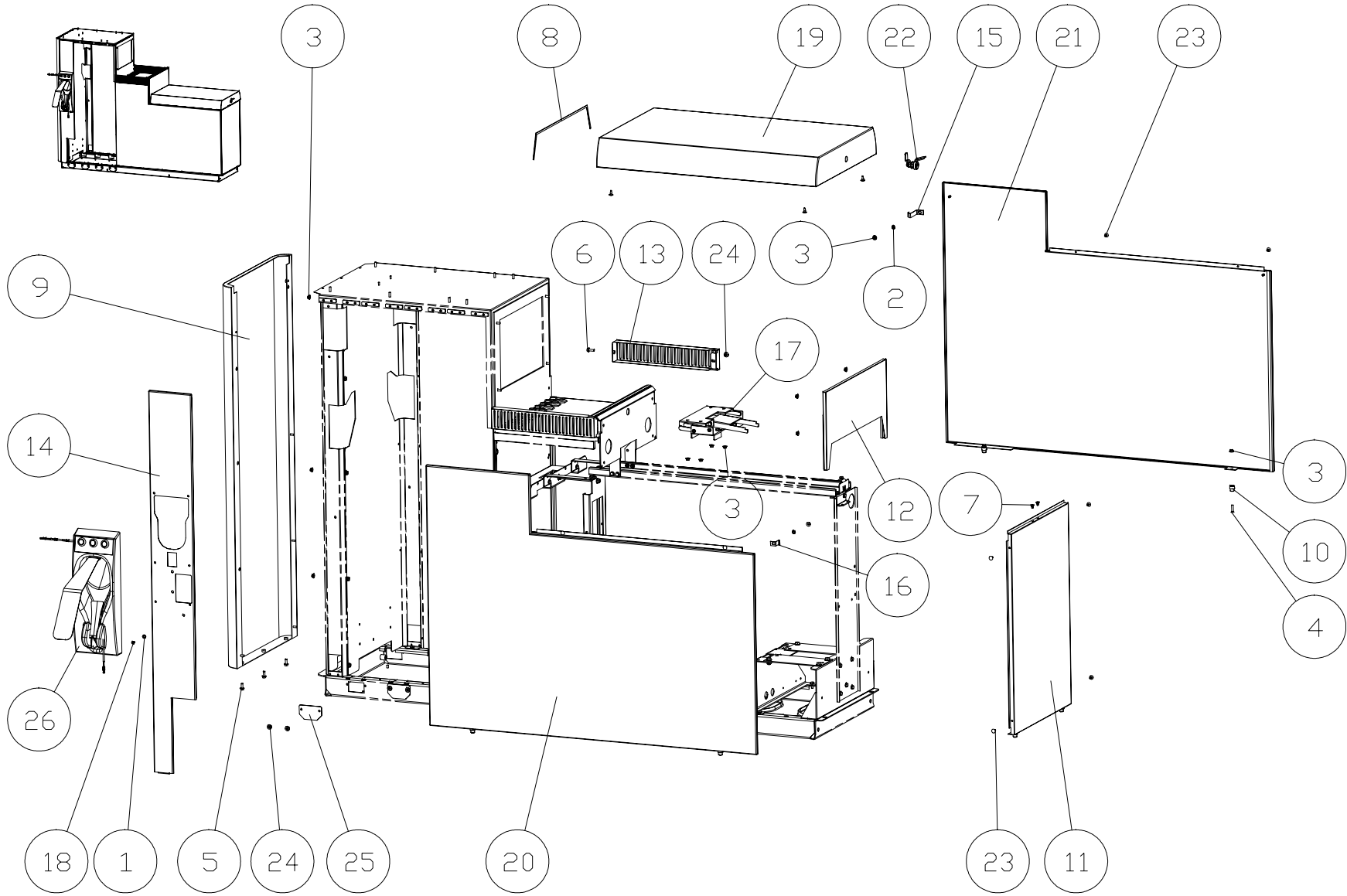
| Item No | Description                     | Désignation Français           | Part No    | Comments                                   |
|---------|---------------------------------|--------------------------------|------------|--------------------------------------------|
| 29      | Vapour Barrier 1 column         | Ecran Vapeur 1 colonne         | 900908     | LPG Integrated only<br>LPG Integrated only |
|         | Vapour Barrier 2 columns        | Ecran Vapeur 2 colonnes        | 900910     |                                            |
|         | Vapour Barrier 3 columns        | Ecran Vapeur 3 colonnes        | 900911     |                                            |
|         | Vapour Barrier 4 columns        | Ecran Vapeur 4 colonnes        | 900912     |                                            |
|         | Vapour Barrier LPG Int 5C       | Ecran Vapeur GPL Int 5C        | 903261     |                                            |
|         | Vapour Barrier LPG Int 4C       | Ecran Vapeur GPL Int 4C        | 903281     |                                            |
| 30      | Q500T Driptray 2F1C             | Récupération égoutture 2F1C    | 900932     |                                            |
|         | Q500T Driptray 2F2C             | Récupération égoutture 2F2C    | 900923     |                                            |
|         | Q500T Driptray 3F3C             | Récupération égoutture 3F3C    | 900925     |                                            |
|         | Q500T Driptray 4F3C             | Récupération égoutture 4F3C    | 900926     |                                            |
|         | Q500T Driptray 4F2C             | Récupération égoutture 4F3C    | 904096     |                                            |
|         | Q500T Driptray 4F4C             | Récupération égoutture 4F4C    | 900928     |                                            |
|         | Q500T Driptray 5F4C             | Récupération égoutture 5F4C    | 900930     |                                            |
|         | Q500T Driptray SAT              | Récupération égoutture SAT     | 900937     |                                            |
|         | Q500T Driptray MSAT             | Récupération égoutture MSAT    | 901653     |                                            |
| 31      | Thread end M8 x 170             | Longeur Vis M8 x 170           | 901011     |                                            |
| 32      | Gland M20 Eexe/IP66 1x5-9mm     | P.E. M20 Eexe/IP66 1x5-9mm     | 901404-001 |                                            |
| 33      | Gland M20 Eexe/IP66 1x5-9mm     | P.E. M20 Eexe/IP66 1x5-9mm     | 901478-001 |                                            |
| 34      | HMS Structural Frame Left       | HMS Cadre Gauche               | 901494     |                                            |
| 35      | HMS Structural Frame Right      | HMS Cadre Droit                | 901495     |                                            |
| 36      | Connection block nozzlepanel    | Connecteur pour Pann. Habil    | 901527     |                                            |
| 37      | Vapour Barrier Seal             | Joint pour HMS                 | 901535     |                                            |
| 38      | HMS Vapour Cover                | Chapeau pour HMS               | 901536     |                                            |
| 39      | Skiffy Bushing Dia in: 12 mm    | Passe-fils skiffy Dia in: 12mm | 901937-001 |                                            |
| 40      | Blindplug 6.5x17                | Bouchon PE 6.5x17              | 901975-001 |                                            |
| 41      | Gland M25x1.5 IP66 6-13mm       | Presse etoupe M25x1.5 IP66 6-1 | 901990-001 |                                            |
| 42      | HMS End Stop                    | HMS Arrêt d'ce extremite       | 902923     |                                            |
| 43      | Gasket DIT/Vertical Barrier     | Joint DIT/Barriere Verticale   | 903458     |                                            |
| 44      | Hydraulic Frame Support Bracket | Support Cadre Hydraulique      | 903617     |                                            |
| 45      | Stay                            | Renfort                        | 903631     | 2 Frame 1 Column only (2F1C)               |
| 46      | Bracket - Tango Lock            | Support - Serrure Tango        | 901934     |                                            |



## 2.2 Cladding Assembly

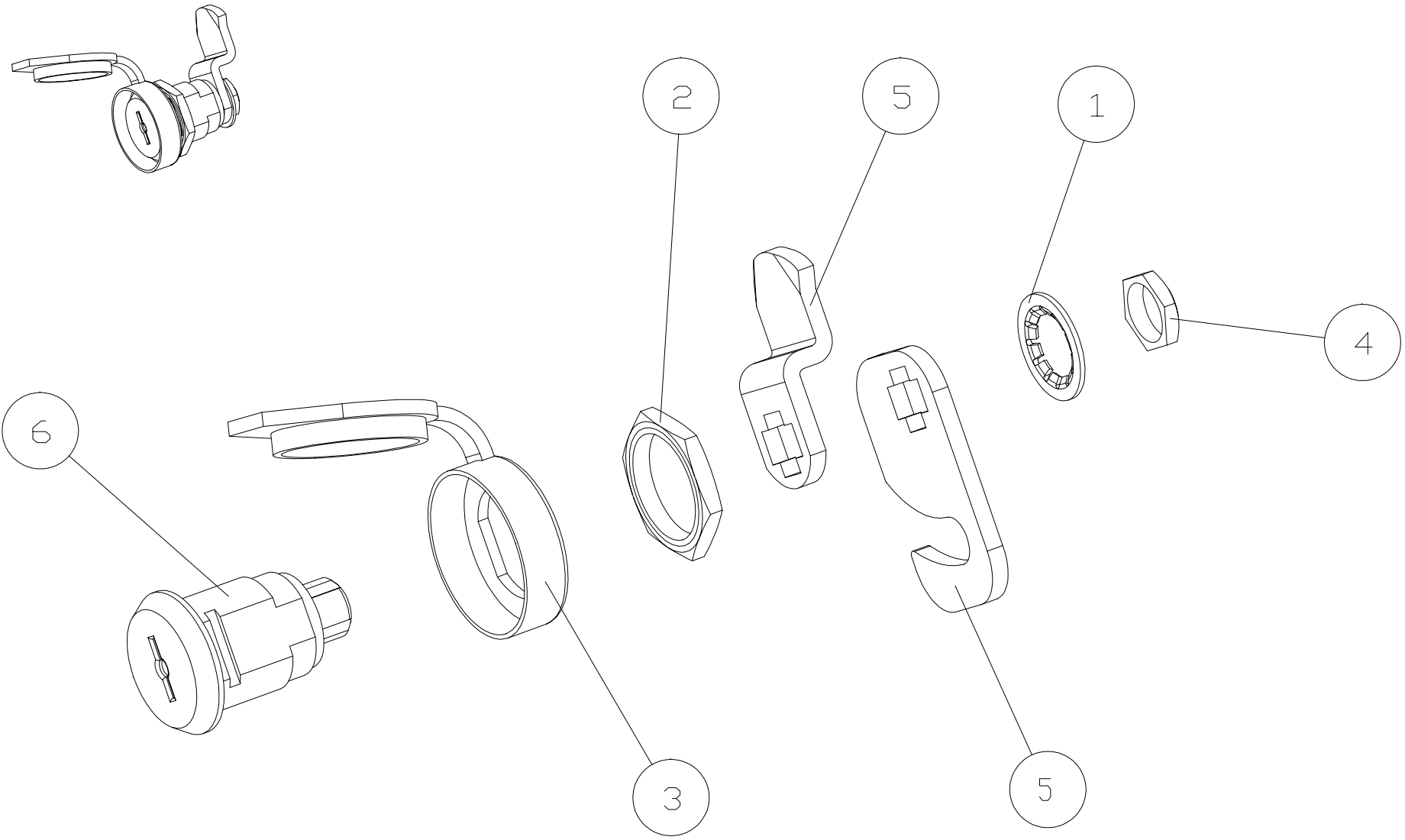
| Item No | Description                              | Désignation Français             | Part No    | Comments               |
|---------|------------------------------------------|----------------------------------|------------|------------------------|
| 1       | Washer PI M6                             | Rondelle PI M6                   | 900008-002 |                        |
| 2       | Washer Serr Lock Ext M6                  | Rondelle a Dent DEC M6           | 900009-004 |                        |
| 3       | Nut Hex Self Lock M6                     | Ecrou Bride Autobloquant M6      | 900013-003 |                        |
| 4       | Screw SCS M6x25                          | Vis FS M6x25                     | 900014-002 |                        |
| 5       | Screw HFHSL M6x16                        | Vis Hex Br Autobl M6x16          | 900016-004 |                        |
| 6       | Screw HFHSL M6x20                        | Vis Hex Br Autobl M6x20          | 900016-013 |                        |
| 7       | Rivet Expansion                          | Rivet Rokut                      | 900022-001 |                        |
| 8       | Seal topplate                            | Joint plaque support             | 900357     |                        |
| 9       | End Column Q500T                         | Colonne de fin Q500T             | 900402     |                        |
| 10      | Adjustment Pin                           | Broche de Reglage                | 900403     |                        |
| 11      | Endpanel Hydraulic Frame                 | Panel Fin Chassis Hydr           | 900404     |                        |
| 12      | Cladding VB End Q500T                    | Placage VB Extr Q500T            | 900419     | VR gauge visible       |
|         | Cladding VB end Q500T gauge              | Placage VB Extr Q500T indicat    | 902987     |                        |
| 13      | Barrier Screen Q500T                     | Ecran Barrière Q500T             | 900422     |                        |
| 14      | Nozzle Panel Standard                    | Pann Habil Std                   | 900531     |                        |
|         | Nozzle Panel Stainless Steel             | Pann Habil INOX                  | 901636     |                        |
|         | Blind Panel Standard                     | Pann Habil Aveugle               | 901639     |                        |
|         | Blind Panel Stainless Steel              | Pann Habil Aveugle INOX          | 901637     |                        |
| 15      | Spring Protective Earth Doors            | Ressort porte hydr a terre       | 900650     |                        |
| 16      | Retaining clip hydraulic door            | Ressort en acier                 | 900652     |                        |
| 17      | Hinge Assembly                           | Charniere asm                    | -          | Refer to Hinge drawing |
| 18      | Screw HSB M6x10                          | Vis M6x10                        | 900795-005 |                        |
| 19      | Topplate 5 Hydr Frames                   | Plaque Sup 5 Hydr Chassis        | 900888     |                        |
|         | Topplate 4 Hydr Frames                   | Plaque Sup 4 Hydr Chassis        | 900891     |                        |
|         | Topplate 3 Hydr Frames                   | Plaque Sup 3 Hydr Chassis        | 900890     |                        |
|         | Topplate 2 Hydr Frames                   | Plaque Sup 2 Hydr Chassis        | 900889     |                        |
|         | Topplate 5 Hydr Frames - Stainless Steel | Plaque Sup 5 Hydr Chassis - INOX | 900875     |                        |
|         | Topplate 4 Hydr Frames - Stainless Steel | Plaque Sup 4 Hydr Chassis - INOX | 900874     |                        |
|         | Topplate 3 Hydr Frames - Stainless Steel | Plaque Sup 3 Hydr Chassis - INOX | 900873     |                        |
|         | Topplate 2 Hydr Frames - Stainless Steel | Plaque Sup 2 Hydr Chassis - INOX | 900872     |                        |

(Cont.)



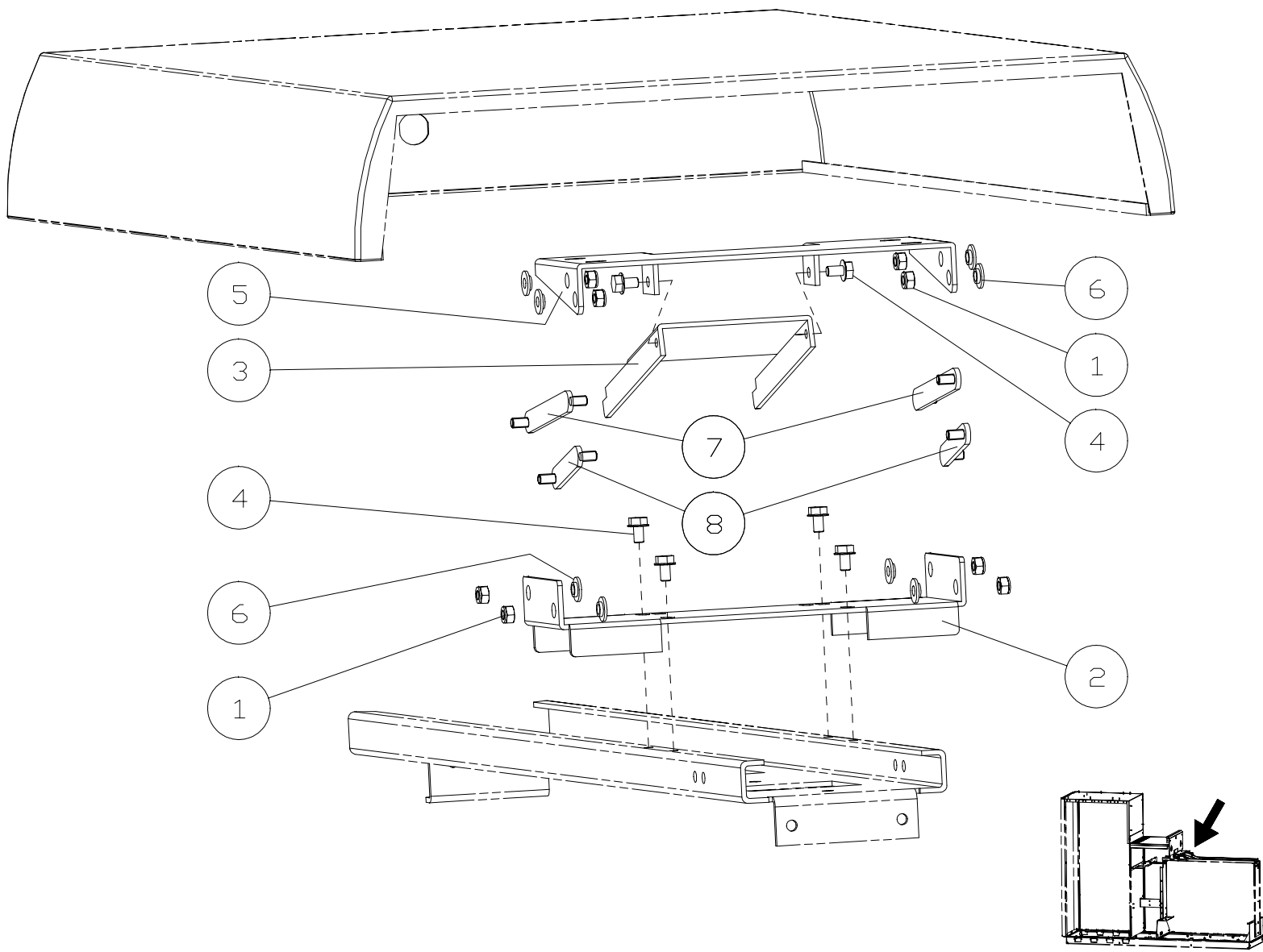
## 2.2 Cladding Assembly (Cont.)

| Item No | Description            | Désignation Français       | Part No    | Comments                     |
|---------|------------------------|----------------------------|------------|------------------------------|
| 20      | Hydraulic Door A 5F    | Porte Hydraulique A 5F     | 900892     |                              |
|         | Hydraulic Door A 4F    | Porte Hydraulique A 4F     | 900898     |                              |
|         | Hydraulic Door A 3F    | Porte Hydraulique A 3F     | 900896     |                              |
|         | Hydraulic Door A 2F    | Porte Hydraulique A 2F     | 900895     |                              |
| 21      | Hydraulic Door B 5F    | Porte Hydraulique B 5F     | 900899     |                              |
|         | Hydraulic Door B 4F    | Porte Hydraulique B 4F     | 900906     |                              |
|         | Hydraulic Door B 3F    | Porte Hydraulique B 3F     | 900903     |                              |
|         | Hydraulic Door B 2F    | Porte Hydraulique B 2F     | 900901     |                              |
| 22      | Assembly Lock Topcover | Ass Serrure Porte Topcover | -          | Refer to Lock drawing        |
| 23      | Rivet Drive            | Comm Rap                   | 901058-001 |                              |
| 24      | Rivet Screw            | Rivet Vis                  | 901371-001 |                              |
| 25      | Cover bracket          | Couvercle                  | 902021     |                              |
| 26      | Nozzle Boot Assembly   | Pann Habil + RB gen ASM    | -          | Refer to Nozzle Boot drawing |



## 2.3 Lock Assembly

| Item No | Description                 | Désignation Français           | Part No    | Comments                                                     |
|---------|-----------------------------|--------------------------------|------------|--------------------------------------------------------------|
| 1       | Washer Serr Lock Int M10    | Rondelle a Dents DIC M10       | 900021-001 |                                                              |
| 2       | Nut Hex 3/4 - 24 UNS        | Ecrou Hex 3/4 - 24 UNS         | 900041-001 |                                                              |
| 3       | Cap SOUTHCO 90-2 (Cover)    | Bouchon SOUTHCO 90-2 (Chapeau) | 900042     |                                                              |
| 4       | Nut Hex M10 x 1.00 For Lock | Ecrou M10 x 1.00 Pour Serrures | 900043-001 |                                                              |
| 5       | Cam - lock                  | Came de serrure                | 900181     | Q100T&200T WWC Calc Head; Q300T Dispenser                    |
|         | Lock Cam Calc Door          | Came De Serrure Porte Calc     | 900985     | Q500T Calc Head; Q100T Cecli2 Head                           |
|         | Lock Cam DIT door           | Came de serrure porte DIT      | 900986     | Q500T DIT & Vidium Doors;                                    |
|         | Lock Cam Top cover          | Came de serrure top            | 900978     | Q100T&200T Hydraulic Doors<br>Q500T Hydraulic top cover only |
| 6       | Lock                        | Serrure                        | 900389     |                                                              |



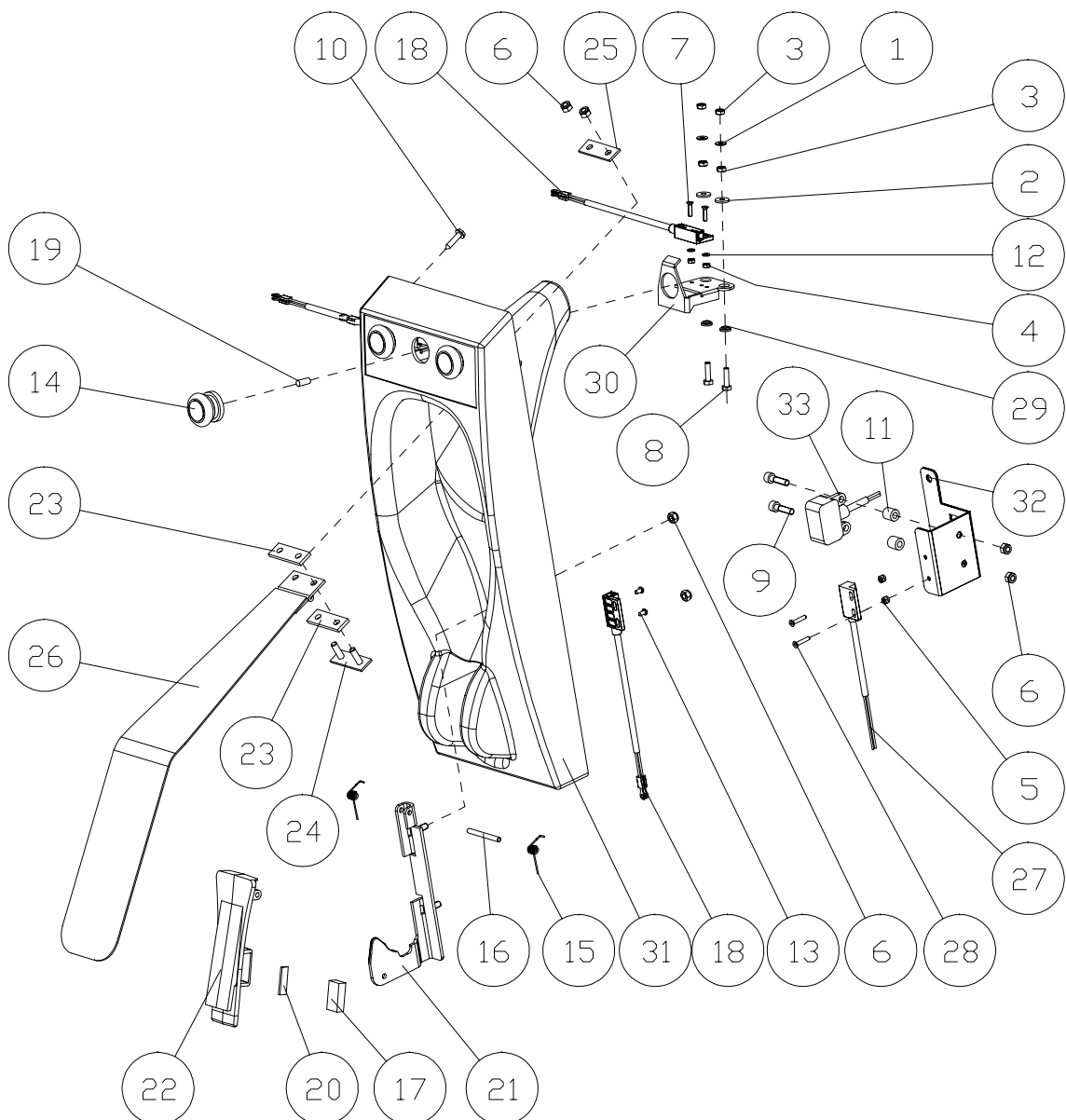
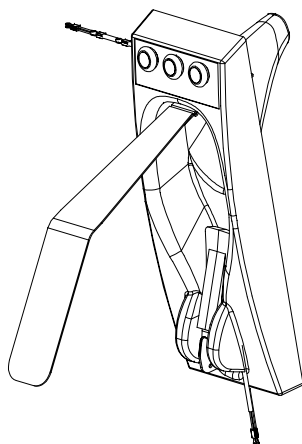
## 2.4 Hinge Assembly

| Item No | Description                    | Désignation Français         | Part No    | Comments |
|---------|--------------------------------|------------------------------|------------|----------|
| 1       | Nut Hex Prev Torque M6         | Ecrou Frein M6               | 900012-003 |          |
| 2       | Topplate Hinge Half            | Demi Charniere Plaque Sup    | 900651     |          |
| 3       | Topplate Stay Open Holder      | Plaque Sup Supp Arret Ouvert | 900654     |          |
| 4       | Screw HFHTF M6x10              | Vis Hex. Araudeuse M6x10     | 900708-001 |          |
| 5       | Hingeplate topplate Q500T      | Plaque Charniere Sup         | 900744     |          |
| 6       | Insulation Sleeve 6.2mm        | Manchon Isolant 6.2mm        | 900758-002 |          |
| 7       | Hinge Rod Long Q500T Topplate  | Levier Articulé Longue       | 900777     |          |
| 8       | Hinge Rod Short Q500T Topplate | Levier Articulé Petit        | 900794     |          |

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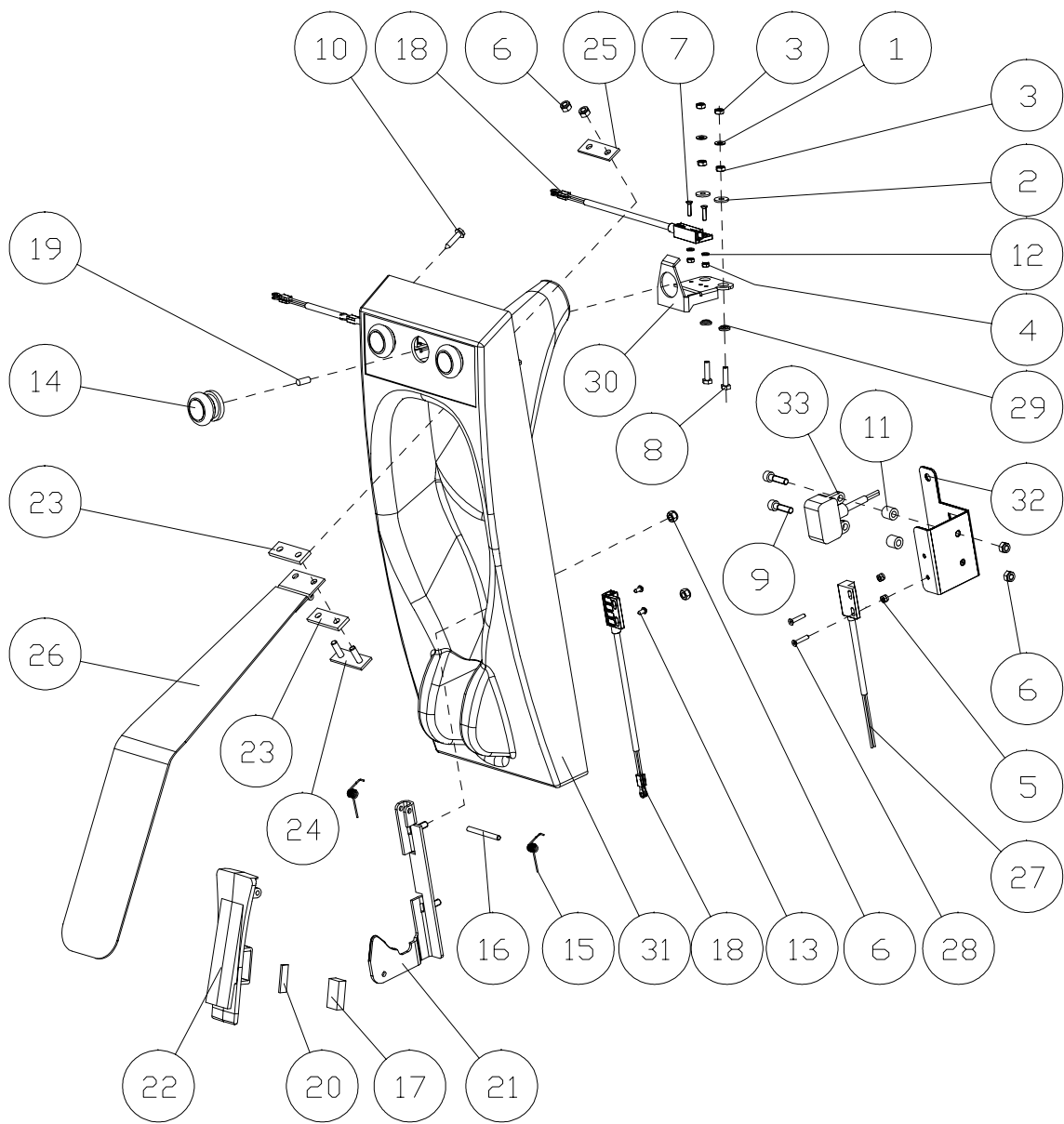
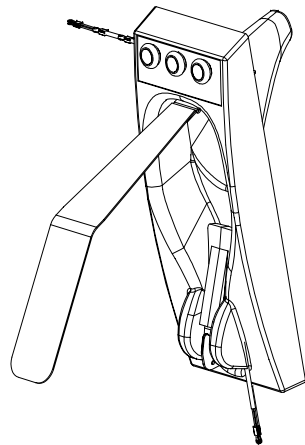
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| 3.8.5    | Break Couplings .....             | 3-24       |



### 3.1 Nozzle Boot Assembly

| Item No | Description                      | Désignation Français                      | Part No    | Comments                          |
|---------|----------------------------------|-------------------------------------------|------------|-----------------------------------|
| 1       | Washer PI M4                     | Rondelle PI M4                            | 900008-004 |                                   |
| 2       | Washer PI M4 Nylon               | Rondelle PI M4 Nylon                      | 900008-016 |                                   |
| 3       | Nut Hex M4                       | Ecrou H M4                                | 900011-006 |                                   |
| 4       | Nut Hex M3                       | Ecrou H M3                                | 900011-008 |                                   |
| 5       | Nut Hex Prev Torque M3           | Ecrou Frein M3                            | 900012-001 | Q100T&Q200T only (WWC T1)         |
| 6       | Nut Hex Prev Torque M5           | Ecrou Frein M5                            | 900012-002 |                                   |
| 7       | Screw SCS M3x12                  | Vis FS M3x12                              | 900014-001 |                                   |
| 8       | Screw HH M4x16                   | Vis H M4x16                               | 900015-013 |                                   |
| 9       | Screw HSHC M5x20                 | Vis CHC M5x20                             | 900017-012 | Q100T&Q200T only (Cecli,VR8,VR10) |
| 10      | Screw HWHT ST 4.2x19             | Vis Autotaraud Hex ST 4.2x19              | 900020-001 |                                   |
| 11      | Spacer 5.2x10x10                 | Entretoise 5.2x10x10                      | 900024-012 | Q100T&Q200T only (Cecli,VR8,VR10) |
| 12      | Washer Spring Lock M3            | Rondelle Elast W 3                        | 900051-002 |                                   |
| 13      | Screw CRRCHTF M3x6               | Autotara Cyl Bomb Emp Cru M3x6            | 900078-001 |                                   |
| 14      | Push Button                      | Bouton Poussoir                           | 900079-001 |                                   |
| 15      | Flapper Torsion Spring CEN       | Ressort torsion obturateur CEN            | 900090     |                                   |
| 16      | Flapper Hinge Pin                | Axe articulation obturateur               | 900091     |                                   |
| 17      | Nozzle Switch Magnet             | Aimant interrupteur injecteur             | 900092     |                                   |
|         | Nozzle Switch Magnet - Satellite | Aimant interrupteur injecteur - Satellite | 900378     | Satellite & Mech Register only    |
| 18      | Generic Hall Effect Sensor       | Capteur Generique a effet hall            | 900093     | Refer to Hall Sensors Parts list  |
| 19      | Magnet Nozzle Button             | Bouton aimant injecteur                   | 900097     |                                   |
| 20      | Plate Magnet Backing Nozzle      | Plaque Aimant Robinet                     | 900098     |                                   |
| 21      | CEN Flapper Bracket / Hook       | Support/crochet obturateur CEN            | 900099     |                                   |
|         | Nozzle Hook with Locking Ring    | Crochet buse asm avec verrou              | 900384     | With Locking Ring                 |
| 22      | CEN Nozzle Flapper               | Obturateur injecteur CEN                  | 900100     |                                   |
| 23      | Gasket Prod Ind Flap             | Joint Etanch Prod Ind Volet               | 900375     |                                   |
| 24      | Fixing Plate Prod Ind Flap       | Plaque Fix Prod Ind Volet                 | 900376     |                                   |
| 25      | Plate Prod Ind Flap              | Plaque Supp Prod Ind Volet                | 900377     |                                   |

Cont.



### 3.1 Nozzle Boot Assembly (Cont.)

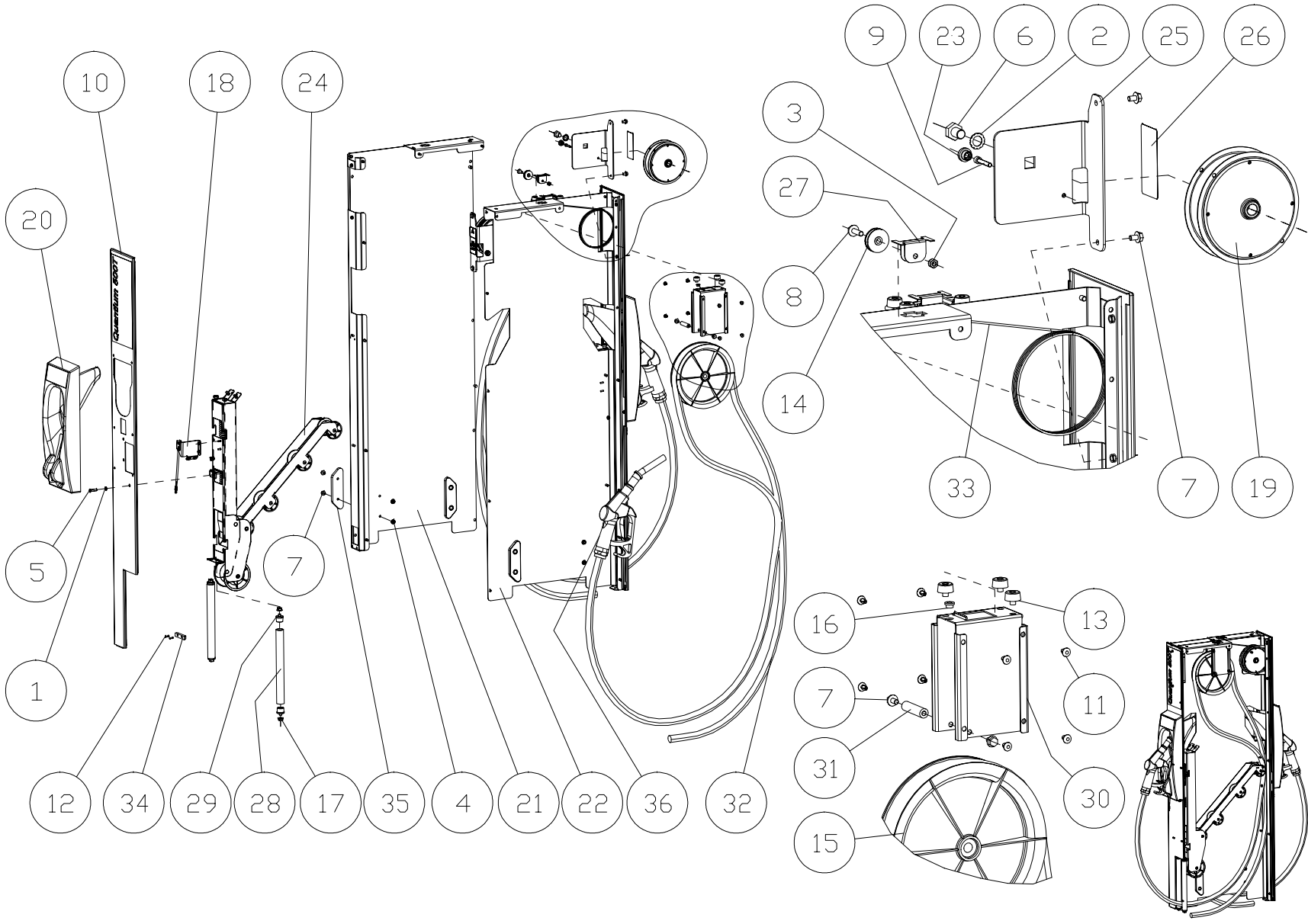
| Item No | Description                     | Désignation Français            | Part No    | Comments                          |
|---------|---------------------------------|---------------------------------|------------|-----------------------------------|
| 26      | Prod Ind Flap CPL               | Volet Prod Inf CPL              | 900379     |                                   |
| 27      | Magnetic Proximity Switch       | Contact Magnetique de proximite | 900387-001 | Refer to Hall Sensors Part List   |
| 28      | Screw HSC M3x16                 | Vis FCH M3x16                   | 900643-005 | Q100T&Q200T only (WWC T1)         |
| 29      | Insulation Sleeve 4mm           | Manchon Isolant 4mm             | 900758-004 |                                   |
| 30      | Bracket Nozzle Button           | Support bouton injecteur        | 901467     | For Nozzle Bus                    |
|         | Bracket Nozzle Button           | Support bouton injecteur        | 900096     | Non Nozzle Bus                    |
| 31      | Nozzle Boot Standard            | Repose buse standard            | 901468     |                                   |
|         | Nozzle Boot 3 push buttons      | Repose buse 3 boutons           | 901469     |                                   |
|         | Nozzle Boot 2 push buttons      | Repose buse 2 boutons           | 901470     |                                   |
|         | Nozzle Boot 1 push button       | Repose buse 1 bouton            | 901471     |                                   |
|         | Nozzle Boot + Prod ind flap     | Repose buse volet prod ind      | 901472     |                                   |
|         | Nozzle Boot 3 push buttons/flap | Repose buse 3 boutons/volet     | 901473     |                                   |
|         | Nozzle Boot 2 push buttons/flap | Repose buse 2 boutons/volet     | 901474     |                                   |
|         | Nozzle Boot 1 push button/flap  | Repose buse 1 bouton/volet      | 901475     |                                   |
| 32      | Nozzle Switches - Bracket       | Support contacts pistolet       | 904584     | Q100T&Q200T only                  |
| 33      | Sensor Housing type P506337     | Capteur type P506337            | P506337    | Q100T&Q200T only (Cecli,VR8,VR10) |
| 34      | Loctite Glue for Magnet         | Adhesif pour aimant             | -          | Not shown                         |



Issue B

### 3.2 Hall Sensors

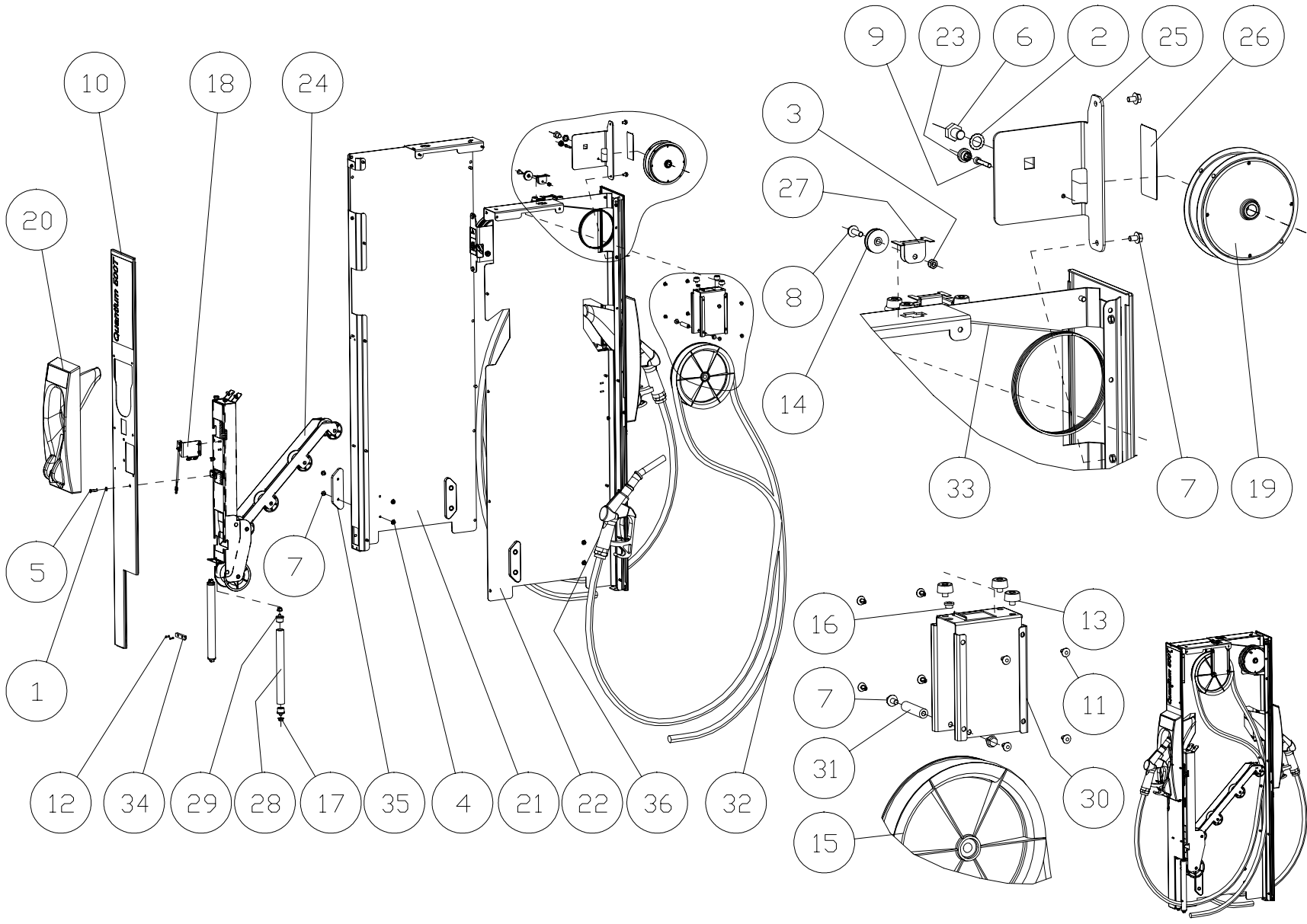
| Part No    | Description                                     | Désignation Français                          | Comments                                                  |
|------------|-------------------------------------------------|-----------------------------------------------|-----------------------------------------------------------|
| 900387-001 | Magnetic Proximity Switch                       | Contact magnetique de proximité               | Satellite, LPG, Q300T Mech Register, Q100T WWC, Q200T WWC |
| 900093-001 | Hall sensor nozzle switch 1 right               | Hall capteur contact pistolet 1 droit         | Address 1                                                 |
| 900093-002 | Hall sensor nozzle switch 1 left                | Hall capteur contact pistolet 1 gauche        | Address 2                                                 |
| 900093-003 | Hall sensor nozzle switch 2 right               | Hall capteur contact pistolet 2 droit         | Address 3                                                 |
| 900093-004 | Hall sensor nozzle switch 2 left                | Hall capteur contact pistolet 2 gauche        | Address 4                                                 |
| 900093-005 | Hall sensor nozzle switch 3 right               | Hall capteur contact pistolet 3 droit         | Address 5                                                 |
| 900093-006 | Hall sensor nozzle switch 3 left                | Hall capteur contact pistolet 3 gauche        | Address 6                                                 |
| 900093-007 | Hall sensor nozzle switch 4 right               | Hall capteur contact pistolet 4 droit         | Address 7                                                 |
| 900093-008 | Hall sensor nozzle switch 4 left                | Hall capteur contact pistolet 4 gauche        | Address 8                                                 |
| 900093-009 | Hall sensor nozzle switch 5 right               | Hall capteur contact pistolet 5 droit         | Address 9                                                 |
| 900093-010 | Hall sensor nozzle switch 5 left                | Hall capteur contact pistolet 5 gauche        | Address 10                                                |
| 900093-011 | Hall sensor right local preset button clear     | Hall capteur bout droit loc preprog effacé    | Address 11                                                |
| 900093-012 | Hall sensor left local preset button clear      | Hall capteur bout gauche loc preprog effacé   | Address 12                                                |
| 900093-013 | Hall sensor right satellite slave button or LPG | Hall capteur bout sat répéteur droit ou GPL   | Address 13                                                |
| 900093-014 | Hall sensor left satellite slave button or LPG  | Hall capteur bout sat répéteur gauche ou GPL  | Address 14                                                |
| 900093-015 | Hall sensor right local preset button value 1   | Hall capteur bout droit loc preprog valeur 1  | Address 15                                                |
| 900093-016 | Hall sensor left local preset button value 1    | Hall capteur bout gauche loc preprog valeur 2 | Address 16                                                |
| 900093-017 | Hall sensor right local preset button value 2   | Hall capteur bout droit loc preprog valeur 2  | Address 17                                                |
| 900093-018 | Hall sensor left local preset button value 2    | Hall capteur bout gauche loc preprog valeur 2 | Address 18                                                |
| 900093-019 | Hall sensor right local preset button value 3   | Hall capteur bout droit loc preprog valeur 3  | Address 19                                                |
| 900093-020 | Hall sensor left local preset button value 3    | Hall capteur bout gauche loc preprog valeur 3 | Address 20                                                |
| 900093-021 | Hall sensor right satellite master button       | Hall capteur bouton droit maitre/sat          | Address 21                                                |
| 900093-022 | Hall sensor left satellite master button        | Hall capteur bouton gauche maitre/sat         | Address 22                                                |
| 900093-023 | Hall sensor right high speed button             | Hall capteur bouton droit de commut           | Address 23                                                |
| 900093-024 | Hall sensor left high speed button              | Hall capteur bouton gauche de commut          | Address 24                                                |
| 900093-025 | Hall sensor thermal protection reset button     | Hall capteur bouton de protection thermique   | Address 25                                                |



### 3.3 Hose Management Assembly

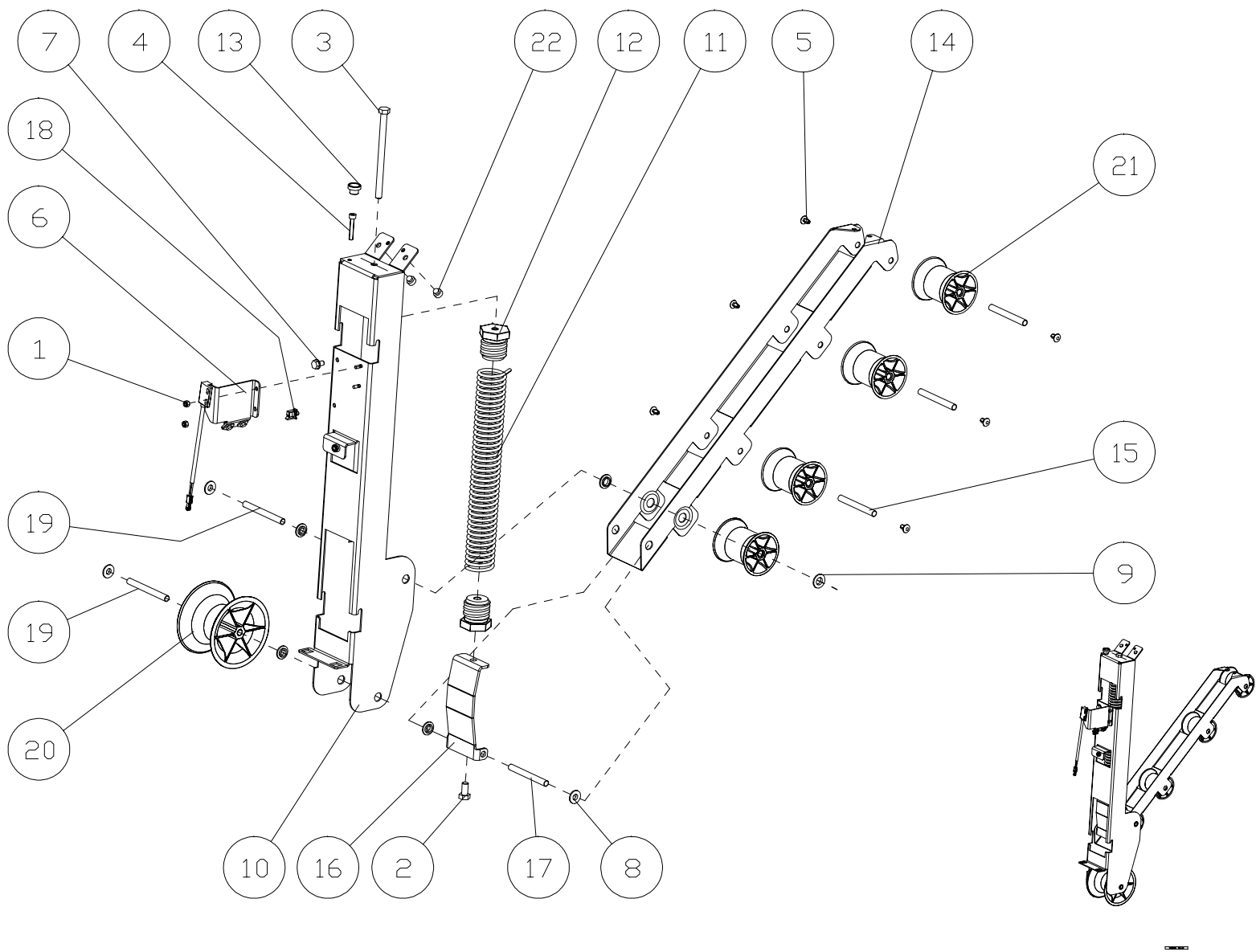
| Item No | Description                     | Désignation Français            | Part No    | Comments                            |
|---------|---------------------------------|---------------------------------|------------|-------------------------------------|
| 1       | Washer PI M6                    | Rondelle PI M6                  | 900008-002 |                                     |
| 2       | Washer Serr Lock Ext M12        | Rondelle a Dents DEC M12        | 900009-003 |                                     |
| 3       | Nut Hex Prev Torque M6          | Ecrou Frein M6                  | 900012-003 |                                     |
| 4       | Nut Hex Self Lock M6            | Ecrou Bride Autobloquant M6     | 900013-003 |                                     |
| 5       | Screw SCS M6x25                 | Fis FS M6x25                    | 900014-002 |                                     |
| 6       | Screw HH M12x16                 | Vis H M12x16                    | 900015-007 |                                     |
| 7       | Screw HFHSL M6x10               | Vis Hex Br Autobl M6x10         | 900016-003 |                                     |
| 8       | Screw HFHSL M6x20               | Vis Hex Br Autobl M6x20         | 900016-013 |                                     |
| 9       | Screw HSHC M5x30                | Vis CHC M5x30                   | 900017-024 |                                     |
| 10      | Nozzle Panel Standard           | Pann Habil Std                  | 900531     |                                     |
|         | Nozzle Panel Stainless Steel    | Pann Habil INOX                 | 901636     |                                     |
|         | Blind Panel Standard            | Pann Habil Aveugle              | 901639     |                                     |
|         | Blind Panel Stainless Steel     | Pann Habil Aveugle INOX         | 901637     |                                     |
| 11      | Rivet Expansion                 | Rivet Rokut                     | 900022-001 |                                     |
| 12      | Rivet Blind Domed 3.2x8.0       | Rivet Pop Bomb 3.2x8.0          | 900025-001 |                                     |
| 13      | Rubber Buffer 20mm              | Tampon Caoutch 20mm             | 900055     |                                     |
| 14      | Ball Bearing with Groove        | Roulement Billes avec Rainure   | 900059     |                                     |
| 15      | Hose Wheel 220mm                | Poulie flexible 220mm           | 900494     |                                     |
| 16      | Bearing 6x9x6                   | Coussinet 6x9x6                 | 900497-001 |                                     |
| 17      | Bearing Vertical Roller         | Palier de rouleau vertical      | 900505     |                                     |
| 18      | Nozzle Switch Assembly          | Contact pistolet asm            | -          | Refer to Nozzle Switch drawing      |
| 19      | Springdrum                      | Enrouleur                       | 900529     |                                     |
| 20      | Nozzle Boot Assembly            | Repose Buse asm                 | -          | Refer to Nozzle Boot drawing        |
| 21      | HMS Structural Frame Left       | HMS Cadre Gauche                | 901494     |                                     |
| 22      | HMS Structural Frame Right      | HMS Cadre Droit                 | 901495     |                                     |
| 23      | Knurled Knob for M5 (Skiffy)    | Bouton molette pour M5 (Skiffy) | 901506     |                                     |
| 24      | HMS Guideless Wheelarm Assembly | Bras HMS avec rouleaux asm      | -          | Refer to Guideless Wheelarm drawing |

Cont.



### 3.3 Hose Management Assembly (Cont.)

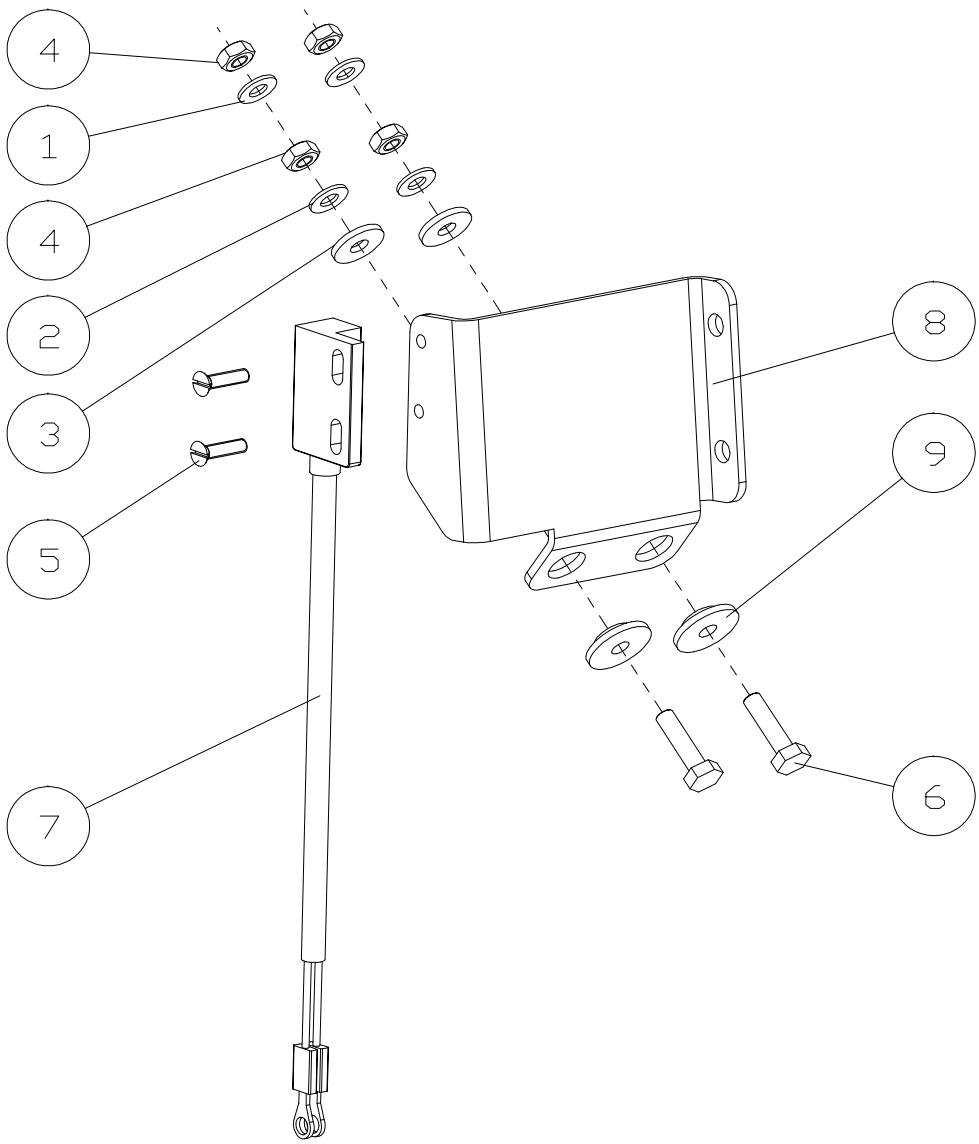
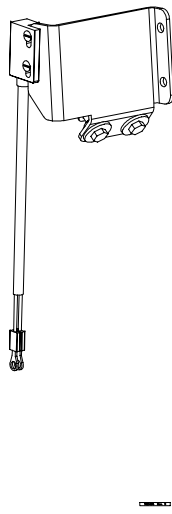
| Item No | Description                   | Désignation Français             | Part No    | Comments                            |
|---------|-------------------------------|----------------------------------|------------|-------------------------------------|
| 25      | Bracket Spring Drum           | Support d'enrouleur              | 901513     |                                     |
| 26      | Sticker for Spring Drum       | Autocollant pour enrouleur asm   | 901514     |                                     |
| 27      | Bracket rope roller           | Support de rouleau pour corde    | 901516     |                                     |
| 28      | Vertical Roller d25           | Rouleau vertical d25             | 901518     |                                     |
| 29      | Bearing shaft vertical roller | Palier d'arbre pour rouleau vert | 901519     |                                     |
| 30      | Bracket Moving Wheel          | Support roue d'enrouleur         | 901522     |                                     |
| 31      | Wheel 220 shaft               | Axe pour poulie 220mm            | 901523     |                                     |
| 32      | CAD Fuel Hose                 | Flexible (pour CAD)              | -          | Refer to Hose Lists                 |
| 33      | Rope Spring Drum              | Corde d'enrouleur                | 901526     |                                     |
| 34      | Connection block nozzlepanel  | Connecteur pour Pann. Habil      | 901527     |                                     |
| 35      | HMS End Stop                  | HMS arret d'ce extremite         | 902923     |                                     |
| 36      | CAD Fuel Nozzle               | Pistolet (pour CAD)              | -          | Refer to Nozzle Lists               |
| 37      | Screw Cover Cap ring M6       | Capuchon de vis M6               | 903192-001 | Blind Nozzle Panel only (not shown) |



Issue B

### 3.4 Guideless Wheelarm Assembly

| Item No | Description               | Désignation Français           | Part No    | Comments                       |
|---------|---------------------------|--------------------------------|------------|--------------------------------|
| 1       | Nut Hex Prev Torque M4    | Ecrou Frein M4                 | 900012-004 |                                |
| 2       | Screw HH M8x16            | Vis H M8x16                    | 900015-011 |                                |
| 3       | Screw HH M8x120           | Vis H M8x120                   | 900015-015 |                                |
| 4       | Screw HSHC M5x30          | Vis CHC M5x30                  | 900017-024 |                                |
| 5       | Rivet Rokut               | Rivet Expansion                | 900022-001 |                                |
| 6       | Assembly Nozzle Switch    | Contact pistolet asm           | -          | Refer to Nozzle Switch drawing |
| 7       | Screw HFHTF M6x10         | Vis Hex Taraudeuse M6x10       | 900708-001 |                                |
| 8       | Insulation Sleeve 8.2mm   | Manchon Isolant 8.2mm          | 900758-003 |                                |
| 9       | Insulation Sleeve 10.2mm  | Manchon Isolant 10.2mm         | 900758-005 |                                |
| 10      | Spring/Roller Bracket     | Support de Ressort/Rouleau     | 901497     |                                |
| 11      | Tension Spring            | Ressort de Tension             | 901502     |                                |
| 12      | Spring Bushing            | Douille de ressort             | 901505     |                                |
| 13      | Knurled knob for M5       | Bouton moleté pour M5          | 901506     |                                |
| 14      | HMS Wheelarm Bracket      | Support bras HMS avec rouleaux | 901508     |                                |
| 15      | Roller Axis L= 71mm       | Axe de Rouleau L = 71mm        | 901510     |                                |
| 16      | Tumbler                   | Bras culbutant                 | 901511     |                                |
| 17      | Roller Axis L= 74.5mm     | Axe de Rouleau L = 74.5mm      | 901622     |                                |
| 18      | Nylon cable clip          | Pince-câble Nylon              | 901652-001 |                                |
| 19      | Roller Axis L= 79mm       | Axe de Rouleau L = 79mm        | 901835     |                                |
| 20      | Large HMS Wheel (Moulded) | Roue HMS grand (moule)         | 902901     |                                |
| 21      | Small HMS wheel (moulded) | Petit HMS roue (moule)         | 902948     |                                |
| 22      | Snap in Foot 6.35 dia     | Snap in Foot 6.35 dia          | 904072-001 |                                |



Issue B

### 3.5 Nozzle Switch Assembly

| Item No | Description                | Désignation Français           | Part No    | Comments                   |
|---------|----------------------------|--------------------------------|------------|----------------------------|
| 1       | Washer PI M4               | Rondelle PI M4                 | 900008-004 |                            |
| 2       | Washer PI M4               | Rondelle PI M4                 | 900008-009 |                            |
| 3       | Washer PI M4               | Rondelle PI M4                 | 900008-016 |                            |
| 4       | Nut Hex M4                 | Ecrou H M4                     | 900011-006 |                            |
| 5       | Screw HH M4x16             | Vis H M4x16                    | 900015-013 |                            |
| 6       | Screw SCS M3x12            | VIS FS M3x12                   | 900014-004 |                            |
| 7       | Generic Hall Effect Sensor | Capteur Générique à effet hall | -          | Refer to Hall Sensors List |
| 8       | Bracket Nozzle Switch      | Support contact pistolet       | 900502     |                            |
| 9       | Insulation Sleeve 4.2mm    | Manchon Isolant 4.2mm          | 900758-001 |                            |

### 3.6 Hoses

#### 3.6.1 ELAFLEX HOSES

##### HOSE LENGTH 320CM

| Description                                    | Désignation Français                    | Part No    | Comments        |
|------------------------------------------------|-----------------------------------------|------------|-----------------|
| Ø16cm, Slimline, 320cm, Black                  | Ø16cm, Slimline, 320cm, Noir            | 901103-031 |                 |
| Ø21cm, Slimline, 320cm, Black                  | Ø21cm, Slimline, 320cm, Noir            | 901103-032 |                 |
| Ø25cm, Slimline, 320cm, Black                  | Ø25cm, Slimline, 320cm, Noir            | 901103-033 |                 |
| Ø16cm, Slimline, 320cm, Black, Low temperature | Ø16cm, Slimline, 320cm, Noir, GF        | 901103-034 | Low temperature |
| Ø21cm, Slimline, 320cm, Black, Low temperature | Ø21cm, Slimline, 320cm, Noir, GF        | 901103-035 | Low temperature |
| Ø25cm, Slimline, 320cm, Black, Low temperature | Ø25cm, Slimline, 320cm, Noir, GF        | 901103-036 | Low temperature |
| Ø16cm, Slimline, 320cm, Black, Biodiesel       | Ø16cm, Slimline, 320cm, Noir, Biodiesel | 901103-037 | Biodiesel       |
| Ø21cm, Slimline, 320cm, Black, Biodiesel       | Ø21cm, Slimline, 320cm, Noir, Biodiesel | 901103-038 | Biodiesel       |
| Ø16cm, Standard, 320cm, Red                    | Ø16cm, Standard, 320cm, Rouge           | 901103-039 |                 |
| Ø16cm, Standard, 320cm, Green                  | Ø16cm, Standard, 320cm, Verte           | 901103-040 |                 |
| Ø16cm, Standard, 320cm, Blue                   | Ø16cm, Standard, 320cm, Bleu            | 901103-041 |                 |
| Ø16cm, Standard, 320cm, Yellow                 | Ø16cm, Standard, 320cm, Jaune           | 901103-042 |                 |

##### HOSE LENGTH 385CM

| Description                                    | Désignation Français                    | Part No    | Comments        |
|------------------------------------------------|-----------------------------------------|------------|-----------------|
| Ø16cm, Slimline, 385cm, Black                  | Ø16cm, Slimline, 385cm, Noir            | 901103-001 |                 |
| Ø21cm, Slimline, 385cm, Black                  | Ø21cm, Slimline, 385cm, Noir            | 901103-002 |                 |
| Ø21cm, VR, 385cm, Black                        | Ø21cm, RV, 385cm, Noir                  | 901103-003 |                 |
| Ø16cm, Slimline, 385cm, Black, Low temperature | Ø16cm, Slimline, 385cm, Noir, GF        | 901103-004 | Low temperature |
| Ø21cm, Slimline, 385cm, Black, Low temperature | Ø21cm, Slimline, 385cm, Noir, GF        | 901103-005 | Low temperature |
| Ø21cm, VR, 385cm, Black, Low temperature       | Ø21cm, RV, 385cm, Noir, GF              | 901103-006 | Low temperature |
| Ø16cm, Slimline, 385cm, Black, Biodiesel       | Ø16cm, Slimline, 385cm, Noir, Biodiesel | 901103-007 | Biodiesel       |
| Ø21cm, Slimline, 385cm, Black, Biodiesel       | Ø21cm, Slimline, 385cm, Noir, Biodiesel | 901103-008 | Biodiesel       |
| Ø21cm, VR, 385cm, Red                          | Ø21cm, RV, 385cm, Rouge                 | 901103-009 |                 |
| Ø21cm, VR, 385cm, Green                        | Ø21cm, RV, 385cm, Verte                 | 901103-010 |                 |
| Ø16cm, Standard, 385cm, Red                    | Flexible, Ø16cm, Standard, 385cm, Rouge | 901103-011 |                 |
| Ø16cm, Standard, 385cm, Green                  | Flexible, Ø16cm, Standard, 385cm, Verte | 901103-012 |                 |
| Ø16cm, Standard, 385cm, Blue                   | Flexible, Ø16cm, Standard, 385cm, Bleu  | 901103-013 |                 |
| Ø16cm, Standard, 385cm, Yellow                 | Flexible, Ø16cm, Standard, 385cm, Jaune | 901103-014 |                 |

Cont.

## 3.6.1 ELAFLEX HOSES (CONT.)

**HOSE LENGTH 424CM**

| Description                                    | Désignation Français                    | Part No    | Comments        |
|------------------------------------------------|-----------------------------------------|------------|-----------------|
| Ø16cm, Slimline, 424cm, Black                  | Ø16cm, Slimline, 424cm, Noir            | 901103-015 |                 |
| Ø21cm, Slimline, 424cm, Black                  | Ø21cm, Slimline, 424cm, Noir            | 901103-016 |                 |
| Ø25cm, Slimline, 424cm, Black                  | Ø25cm, Slimline, 424cm, Noir            | 901103-017 |                 |
| Ø21cm, VR, 424cm, Black                        | Ø21cm, RV, 424cm, Noir                  | 901103-018 |                 |
| Ø16cm, Slimline, 424cm, Black, Low temperature | Ø16cm, Slimline, 424cm, Noir, GF        | 901103-019 | Low temperature |
| Ø21cm, Slimline, 424cm, Black, Low temperature | Ø21cm, Slimline, 424cm, Noir, GF        | 901103-020 | Low temperature |
| Ø25cm, Slimline, 424cm, Black, Low temperature | Ø25cm, Slimline, 424cm, Noir, GF        | 901103-021 | Low temperature |
| Ø21cm, VR, 424cm, Black, Low temperature       | Ø21cm, RV, 424cm, Noir, GF              | 901103-022 | Low temperature |
| Ø16cm, Slimline, 424cm, Black, Biodiesel       | Ø16cm, Slimline, 424cm, Noir, Biodiesel | 901103-023 | Biodiesel       |
| Ø21cm, Slimline, 424cm, Black, Biodiesel       | Ø21cm, Slimline, 424cm, Noir, Biodiesel | 901103-024 | Biodiesel       |
| Ø21cm, VR, 424cm, Red                          | Ø21cm, RV, 424cm, Rouge                 | 901103-025 |                 |
| Ø21cm, VR, 424cm, Green                        | Ø21cm, RV, 424cm, Verte                 | 901103-026 |                 |
| Ø16cm, Standard, 424cm, Red                    | Ø16cm, Standard, 424cm, Rouge           | 901103-027 |                 |
| Ø16cm, Standard, 424cm, Green                  | Ø16cm, Standard, 424cm, Verte           | 901103-028 |                 |
| Ø16cm, Standard, 424cm, Blue                   | Ø16cm, Standard, 424cm, Bleu            | 901103-029 |                 |
| Ø16cm, Standard, 424cm, Yellow                 | Ø16cm, Standard, 424cm, Jaune           | 901103-030 |                 |

**HOSE LENGTH 600CM**

| Description                   | Désignation Français         | Part No    | Comments |
|-------------------------------|------------------------------|------------|----------|
| Ø21cm, Slimline, 600cm, Black | Ø21cm, Slimline, 600cm, Noir | 901103-043 |          |

## 3.6.2 GOODYEAR HOSES

## HOSE LENGTH 320CM

| Description                                         | Désignation Français                             | Part No    | Comments |
|-----------------------------------------------------|--------------------------------------------------|------------|----------|
| Ø16cm, Standard, 320cm, Black                       | Ø16cm, Standard, 320cm, Noir                     | 901103-069 |          |
| Ø19cm, Standard, 320cm, Black                       | Ø19cm, Standard, 320cm, Noir                     | 901103-070 |          |
| Ø25cm, Standard, 320cm, Black                       | Ø25cm, Standard, 320cm, Noir                     | 901103-071 |          |
| Ø16cm, Standard, 320cm, Black, Black nozzle sleeve  | Ø16cm, Standard, 320cm, Noir, Manchon buse noir  | 901103-072 |          |
| Ø16cm, Standard, 320cm, Black, Red nozzle sleeve    | Ø16cm, Standard, 320cm, Noir, Manchon buse rouge | 901103-073 |          |
| Ø16cm, Standard, 320cm, Black, Green nozzle sleeve  | Ø16cm, Standard, 320cm, Noir, Manchon buse verte | 901103-074 |          |
| Ø16cm, Standard, 320cm, Black, Blue nozzle sleeve   | Ø16cm, Standard, 320cm, Noir, Manchon buse bleu  | 901103-075 |          |
| Ø16cm, Standard, 320cm, Black, Yellow nozzle sleeve | Ø16cm, Standard, 320cm, Noir, Manchon buse jaune | 901103-076 |          |
| Ø19cm, Standard, 320cm, Black, Black nozzle sleeve  | Ø19cm, Standard, 320cm, Noir, Manchon buse noir  | 901103-077 |          |

## HOSE LENGTH 385CM

| Description                                         | Désignation Français                             | Part No    | Comments |
|-----------------------------------------------------|--------------------------------------------------|------------|----------|
| Ø16cm, Standard, 385cm, Black                       | Ø16cm, Standard, 385cm, Noir                     | 901103-044 |          |
| Ø19cm, Standard, 385cm, Black                       | Ø19cm, Standard, 385cm, Noir                     | 901103-045 |          |
| Ø21cm, VR, 385cm, Black                             | Ø21cm, RV, 385cm, Noir                           | 901103-046 |          |
| Ø21cm, VR, 385cm, Black, Black nozzle sleeve        | Ø21cm, RV, 385cm, Noir, Manchon buse noir        | 901103-047 |          |
| Ø21cm, VR, 385cm, Black, Red nozzle sleeve          | Ø21cm, RV, 385cm, Noir, Manchon buse rouge       | 901103-048 |          |
| Ø21cm, VR, 385cm, Black, Green nozzle sleeve        | Ø21cm, RV, 385cm, Noir, Manchon buse verte       | 901103-049 |          |
| Ø16cm, Standard, 385cm, Black, Black nozzle sleeve  | Ø16cm, Standard, 385cm, Noir, Manchon buse Noir  | 901103-050 |          |
| Ø16cm, Standard, 385cm, Black, Red nozzle sleeve    | Ø16cm, Standard, 385cm, Noir, Manchon buse Rouge | 901103-051 |          |
| Ø16cm, Standard, 385cm, Black, Green nozzle sleeve  | Ø16cm, Standard, 385cm, Noir, Manchon buse Verte | 901103-052 |          |
| Ø16cm, Standard, 385cm, Black, Blue nozzle sleeve   | Ø16cm, Standard, 385cm, Noir, Manchon buse Bleu  | 901103-053 |          |
| Ø16cm, Standard, 385cm, Black, Yellow nozzle sleeve | Ø16cm, Standard, 385cm, Noir, Manchon buse Jaune | 901103-054 |          |
| Ø19cm, Standard, 385cm, Black, Black nozzle sleeve  | Ø19cm, Standard, 385cm, Noir, Manchon buse Noir  | 901103-055 |          |
| Ø21cm, VR, 385cm, Black, Blue nozzle sleeve         | Ø21cm, RV, 385cm, Noir, Manchon buse bleu        | 901103-080 |          |
| Ø21cm, VR, 385cm, Black, Yellow nozzle sleeve       | Ø21cm, RV, 385cm, Noir, Manchon buse jaune       | 901103-081 |          |

Cont.

## 3.6.2 GOODYEAR HOSES (CONT.)

**HOSE LENGTH 424CM**

| Description                                         | Désignation Français                             | Part No    | Comments |
|-----------------------------------------------------|--------------------------------------------------|------------|----------|
| Ø16cm, Standard, 424cm, Black                       | Ø16cm, Standard, 424cm, Noir                     | 901103-056 |          |
| Ø19cm, Standard, 424cm, Black                       | Ø19cm, Standard, 424cm, Noir                     | 901103-057 |          |
| Ø25cm, Standard, 424cm, Black                       | Ø25cm, Standard, 424cm, Noir                     | 901103-058 |          |
| Ø21cm, VR, 424cm, Black                             | Ø21cm, RV, 424cm, Noir                           | 901103-059 |          |
| Ø21cm, VR, 424cm, Black, Black nozzle sleeve        | Ø21cm, RV, 424cm, Noir, Manchon buse noir        | 901103-060 |          |
| Ø21cm, VR, 424cm, Black, Red nozzle sleeve          | Ø21cm, RV, 424cm, Noir, Manchon buse rouge       | 901103-061 |          |
| Ø21cm, VR, 424cm, Black, Green nozzle sleeve        | Ø21cm, RV, 424cm, Noir, Manchon buse verte       | 901103-062 |          |
| Ø16cm, Standard, 424cm, Black, Black nozzle sleeve  | Ø16cm, Standard, 424cm, Noir, Manchon buse noir  | 901103-063 |          |
| Ø16cm, Standard, 424cm, Black, Red nozzle sleeve    | Ø16cm, Standard, 424cm, Noir, Manchon buse rouge | 901103-064 |          |
| Ø16cm, Standard, 424cm, Black, Green nozzle sleeve  | Ø16cm, Standard, 424cm, Noir, Manchon buse verte | 901103-065 |          |
| Ø16cm, Standard, 424cm, Black, Blue nozzle sleeve   | Ø16cm, Standard, 424cm, Noir, Manchon buse bleu  | 901103-066 |          |
| Ø16cm, Standard, 424cm, Black, Yellow nozzle sleeve | Ø16cm, Standard, 424cm, Noir, Manchon buse jaune | 901103-067 |          |
| Ø19cm, Standard, 424cm, Black, Black nozzle sleeve  | Ø19cm, Standard, 424cm, Noir, Manchon buse noir  | 901103-068 |          |
| Ø21cm, VR, 424cm, Black, Blue nozzle sleeve         | Ø21cm, RV, 424cm, Noir, Manchon buse bleu        | 901103-082 |          |
| Ø21cm, VR, 424cm, Black, Yellow nozzle sleeve       | Ø21cm, RV, 424cm, Noir, Manchon buse jaune       | 901103-083 |          |

### 3.7 Nozzles

#### 3.7.1 ELAFLEX NOZZLES



| Part No    |                               | Description                                        | Désignation Français                      |
|------------|-------------------------------|----------------------------------------------------|-------------------------------------------|
| 901135-001 | NOZ/ZVA/4.0 UL/M/0/000/00     | Standard speed unleaded                            | Debit standard sans plomb                 |
| 901135-002 | NOZ/ZVA/4.0 BL/M/0/000/00     | Standard speed leaded                              | Debit standard plombe                     |
| 901135-003 | NOZ/ZVA/25.4 FS/M/1/BLK/00    | ZVA 25                                             | ZVA 25                                    |
| 901135-004 | NOZ/ZVA/4.0 DS/M/0/000/00     | Elaflex dripstop                                   | Elaflex dripstop                          |
| 901135-005 | NOZ/ZVA/4.0 DC FS/M/0/000/00  | Elaflex dripcatcher                                | Elaflex dripcatcher                       |
| 901135-006 | NOZ/ZVA/4.0 UL M/0/000/EU     | Standard speed unleaded with break coupling        | Debit standard sans plomb avec racc cass  |
| 901135-007 | NOZ/ZVA/4.0 BL M/0/000/EU     | Standard speed leaded with break coupling          | Debit standard plombe avec racc cass      |
| 901135-008 | NOZ/ZVA/25.4 FS/M/1/BLK/EU    | ZVA 25 with break coupling                         | ZVA 25 avec racc cass                     |
| 901135-009 | NOZ/ZVA/4.0 DS/0/000/EU       | Elaflex dripstop with break coupling               | Elaflex dripstop avec racc cass           |
| 901135-010 | NOZ/ZVA/4.0 DC FS/0/000/EU    | Elaflex dripcatcher with break coupling            | Elaflex dripcatcher avec racc cass        |
| 901135-011 | NOZ/ZVA/4.0 UL/M/0/000/UK     | Standard speed unleaded with BS7117 break coupling | Sans plombe avec BS7117 racc cass         |
| 901135-012 | NOZ/ZVA/4.0 BL/M/0/000/UK     | Standard speed leaded with BS7117 break coupling   | Plombe avec BS7117 racc cass              |
| 901135-013 | NOZ/ZVA/25.4 FS/M/1/BLK/UK    | ZVA 25 with BS7117 break coupling                  | ZVA 25 avec BS7117 racc cass              |
| 901135-014 | NOZ/ZVA/4.0 DS/0/000/UK       | Elaflex dripstop with BS7117 break coupling        | Elaflex dripstop avec BS7117 racc cass    |
| 901135-015 | NOZ/ZVA/4.0 DC FS/0/000/UK    | Elaflex dripcatcher with BS7117 break coupling     | Elaflex dripcatcher avec BS7117 racc cass |
| 901135-016 | NOZ/ZVA/200 BLGRV3/F/0/000/00 | Vapour recovery on/off leaded                      | GRV3 plombe                               |
| 901135-017 | NOZ/ZVA/200 ULGRV3/F/0/000/00 | Vapour recovery on/off unleaded                    | GRV3 sans plombe                          |
| 901135-018 | NOZ/ZVA/204 BLGRVP/F/0/000/00 | GRVP leaded                                        | GRVP plombe                               |
| 901135-019 | NOZ/ZVA/204 ULGRVP/F/0/000/00 | GRVP unleaded                                      | GRVP sans plombe                          |
| 901135-020 | NOZ/ZVA/204 BLGR/F/0/000/00   | Vapour recovery (no on/off) leaded                 | GR plombe                                 |
| 901135-021 | NOZ/ZVA/204 ULGR/F/0/000/00   | Vapour recovery (no on/off) unleaded               | GR sans plombe                            |

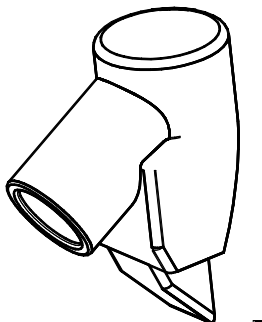
## 3.7.2 OPW NOZZLES



| Part No    |                         | Description                    | Désignation Français                                 |
|------------|-------------------------|--------------------------------|------------------------------------------------------|
| 901852-001 | NOZZLE/OPW/11-ALDP/1001 | Unleaded with latch and spring | Sans plombe avec verrouillage de gachette et ressort |
| 901852-002 | NOZZLE/OPW/11-ALD/100   | Leaded with latch and spring   | Plombe avec verrouillage de gachette et ressort      |
| 901852-003 | NOZZLE/OPW/11-ALD/0001  | Unleaded                       | Sans plomb                                           |
| 901852-004 | NOZZLE/OPW/11-ALDP/0001 | Leaded                         | Plombe                                               |
| 901852-005 | NOZZLE/OPW/11-ALDF/1001 | Dripless with latch and spring | Dripless avec verrouillage de gachette et ressort    |
| 901852-006 | NOZZLE/OPW/11-ALDF/0301 | Dripless                       | Dripless                                             |
| 901852-007 | NOZZLE/OPW/007-HI/034I  | 1" with latch & spring         | 1" avec verrouillage de gachette et ressort          |

### 3.8 Nozzle Extras

#### 3.8.1 NOZZLE COVERS



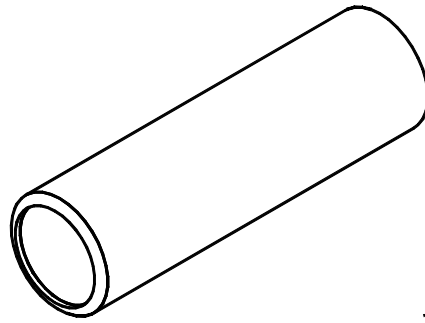
#### Elaflex Nozzle Covers

| Part No    | Description                       | Désignation Français           |
|------------|-----------------------------------|--------------------------------|
| 901136-001 | Cover Nozzle EK144 Red            | Capuchon Buse                  |
| 901136-002 | Cover Nozzle EK144 Green          | Capuchon Buse EK144 Rouge      |
| 901136-003 | Cover Nozzle EK144 Light Green    | Capuchon Buse EK144 Vert       |
| 901136-004 | Cover Nozzle EK144 Blue           | Capuchon Buse EK144 Vert Clair |
| 901136-005 | Cover Nozzle EK144 Yellow         | Capuchon Buse EK144 Bleu       |
| 901136-006 | Cover Nozzle EK144 Black          | Capuchon Buse EK144 Jaune      |
| 901136-007 | Cover VR Nozzle EK104 Black       | Capuchon Buse EK144 Noir       |
| 901136-008 | Cover VR Nozzle EK104 Red         | Capuchon Buse EK104 Rouge      |
| 901136-009 | Cover VR Nozzle EK104 Green       | Capuchon Buse EK104 Vert       |
| 901136-010 | Cover VR Nozzle EK104 Blue        | Capuchon Buse EK104 Bleu       |
| 901136-011 | Cover VR Nozzle EK104 Yellow      | Capuchon Buse EK104 Jaune      |
| 901136-012 | Cover VR Nozzle EK104 Light Green | Capuchon Buse EK104 Vert Clair |

#### OPW Nozzle Covers

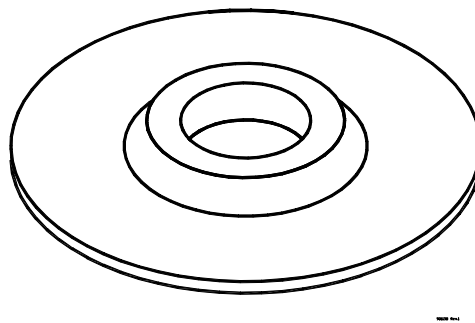
| Part No    | Description                        | Désignation Français                    |
|------------|------------------------------------|-----------------------------------------|
| 901853-001 | Nozzle Cover OPW/19/Hole/Yellow    | Protecteur de Buse OPW/19/Hole/Jaune    |
| 901853-002 | Nozzle Cover OPW/19/Hole/Green     | Protecteur de Buse OPW/19/Hole/Vert     |
| 901853-003 | Nozzle Cover OPW/19/Hole/Red       | Protecteur de Buse OPW/19/Hole/Rouge    |
| 901853-004 | Nozzle Cover OPW/19/Hole/Blue      | Protecteur de Buse OPW/19/Hole/Bleu     |
| 901853-005 | Nozzle Cover OPW/19/Hole/Black     | Protecteur de Buse OPW/19/Hole/Noir     |
| 901853-006 | Nozzle Cover OPW/19/No Hole/Yellow | Protecteur de Buse OPW/19/No Hole/Jaune |
| 901853-007 | Nozzle Cover OPW/19/Nohole/Green   | Protecteur de Buse OPW/19/Nohole/Vert   |
| 901853-008 | Nozzle Cover OPW/19/Nohole/Red     | Protecteur de Buse OPW/19/Nohole/Rouge  |
| 901853-009 | Nozzle Cover OPW/19/Nohole/Blue    | Protecteur de Buse OPW/19/Nohole/Bleu   |
| 901853-010 | Nozzle Cover OPW/19/Nohole/Black   | Protecteur de Buse OPW/19/Nohole/Noir   |
| 901853-011 | Nozzle Cover OPW/25/Hole/Black     | Protecteur de Buse OPW/25/Hole/Noir     |
| 901853-012 | Nozzle Cover OPW/25/Nohole/Black   | Protecteur de Buse OPW/25/Nohole/Noir   |

## 3.8.2 SLEEVES

**Elaflex Sleeves**

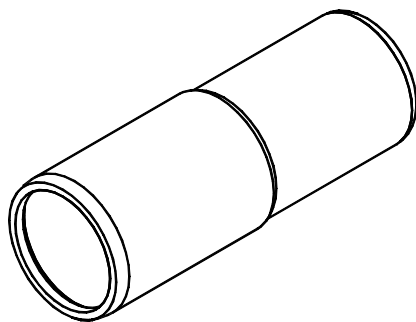
| Part No    | Description        | Désignation Français          |
|------------|--------------------|-------------------------------|
| 901107-001 | Sleeve ST16 Red    | Gaine Flex ST16 Rouge         |
| 901107-002 | Sleeve ST16 Green  | Gaine Flex ST16 Verte         |
| 901107-003 | Sleeve ST16 Blue   | Gaine Flex ST16 Bleue         |
| 901107-004 | Sleeve ST16 Yellow | Gaine Flex ST16 Jaune         |
| 901107-005 | Sleeve ST16 Black  | Gaine Flex ST16 Noire         |
| 901107-006 | Sleeve ST21 Red    | Gaine Flex Coax ST21 RV Rouge |
| 901107-007 | Sleeve ST21 Green  | Gaine Flex Coax ST21 RV Verte |
| 901107-008 | Sleeve ST21 Blue   | Gaine Flex Coax ST21 RV Bleue |
| 901107-009 | Sleeve ST21 Black  | Gaine Flex Coax ST21 RV Noire |
| 901107-010 | Sleeve ST21 Yellow | Gaine Flex Coax ST21 RV Jaune |

## 3.8.3 SPLASHGUARDS

**Elaflex Splashguards**

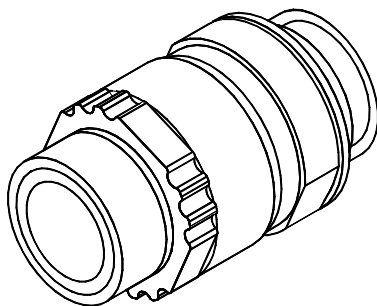
| Part No    | Description        | Désignation Français          |
|------------|--------------------|-------------------------------|
| 901138-001 | Splashguard Red    | Rondelle Anti Egoutture Rouge |
| 901138-002 | Splashguard Green  | Rondelle Anti Egoutture Verte |
| 901138-003 | Splashguard Blue   | Rondelle Anti Egoutture Bleu  |
| 901138-004 | Splashguard Yellow | Rondelle Anti Egoutture Jaune |
| 901138-005 | Splashguard Black  | Rondelle Anti Egoutture Noire |

## 3.8.4 SLEEVE BREAKS

**Elaflex Sleeve Breaks**

| Part No    | Description              | Désignation Français           |
|------------|--------------------------|--------------------------------|
| 901140-001 | Sleeve Break BT16 Red    | Gaine Flex Rac Cass BT16 Rouge |
| 901140-002 | Sleeve Break BT16 Green  | Gaine Flex Rac Cass BT16 Vert  |
| 901140-003 | Sleeve Break BT16 Blue   | Gaine Flex Rac Cass BT16 Bleu  |
| 901140-004 | Sleeve Break BT16 Yellow | Gaine Flex Rac Cass BT16 Jaune |
| 901140-005 | Sleeve Break BT16 Black  | Gaine Flex Rac Cass BT16 Noir  |
| 901140-006 | Sleeve Break BT21 Red    | Gaine Flex Rac Cass BT21 Rouge |
| 901140-007 | Sleeve Break BT21 Green  | Gaine Flex Rac Cass BT21 Vert  |
| 901140-008 | Sleeve Break BT21 Black  | Gaine Flex Rac Cass BT21 Noir  |
| 901140-009 | Sleeve Break BT21 Blue   | Gaine Flex Rac Cass BT21 Bleu  |
| 901140-010 | Sleeve Break BT21 Yellow | Gaine Flex Rac Cass BT21 Jaune |

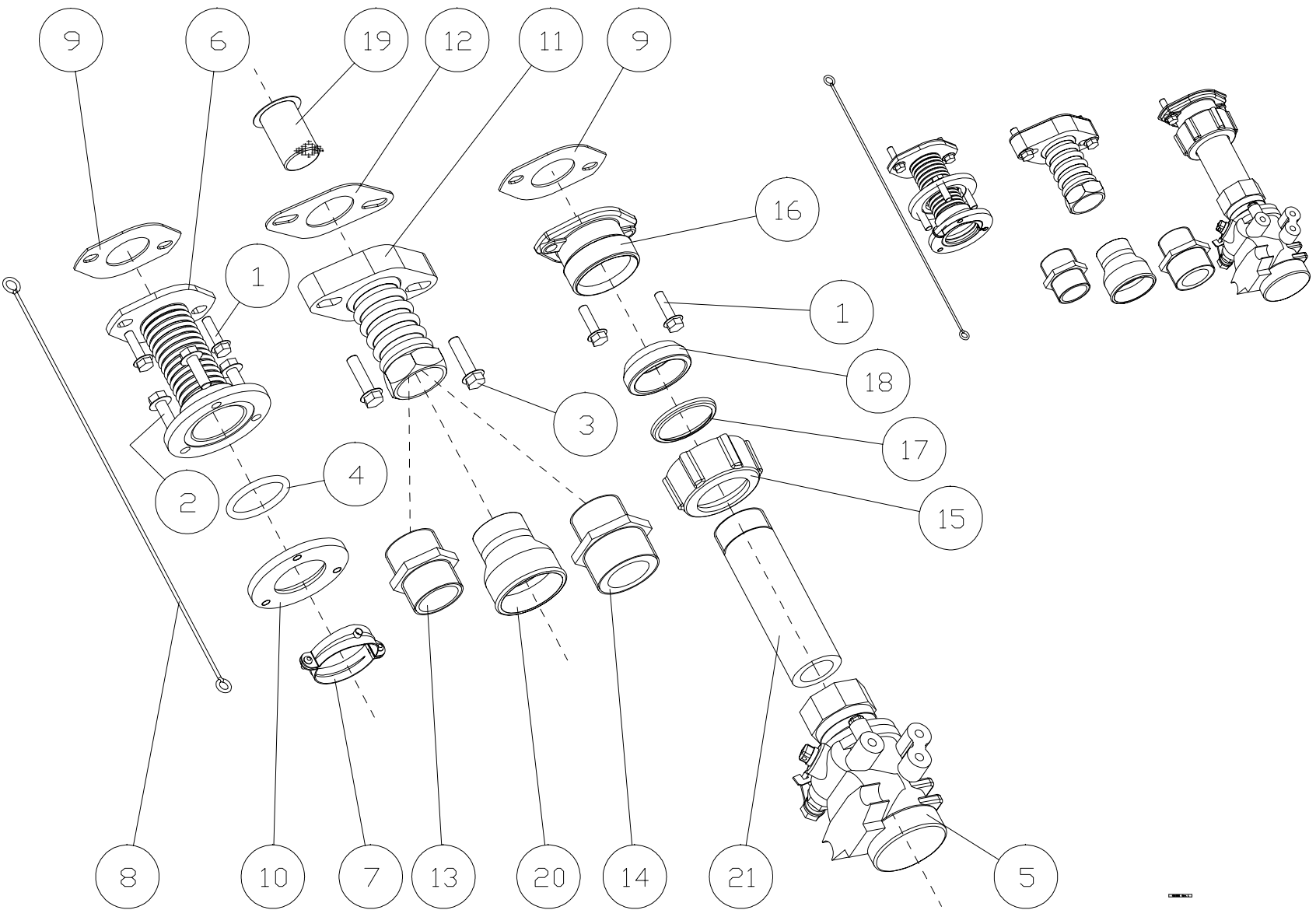
## 3.8.5 BREAK COUPLINGS

**Elaflex Break Couplings**

| Part No    | Description               | Désignation Français       |
|------------|---------------------------|----------------------------|
| 901137-001 | Break Coupling BS7117     | Raccord Cassant BS7117     |
| 901137-002 | Break Coupling Non BS7117 | Raccord Cassant Non BS7117 |
| 901568-001 | Break Coupling VR         | Raccord Cassant RV         |

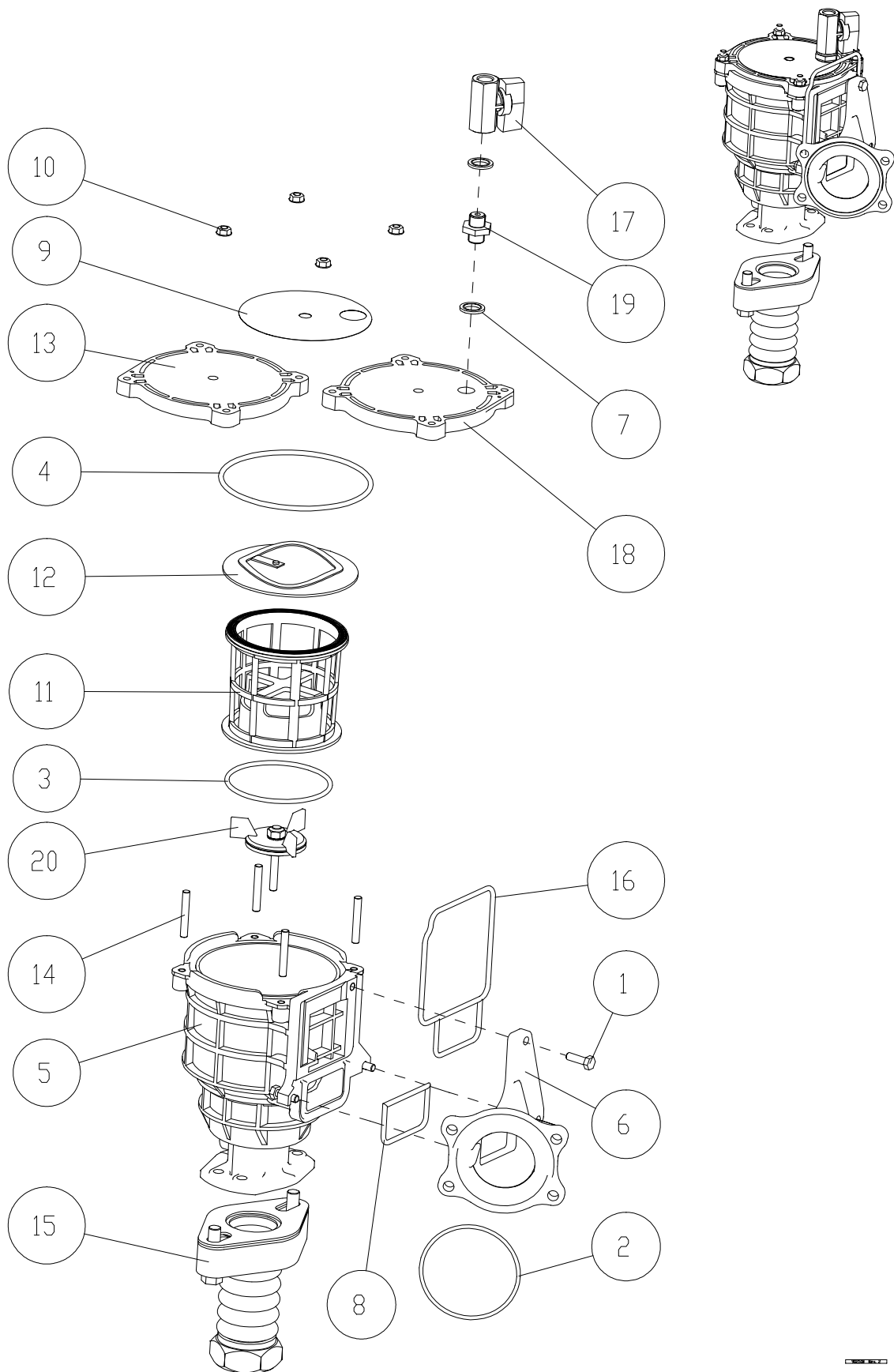
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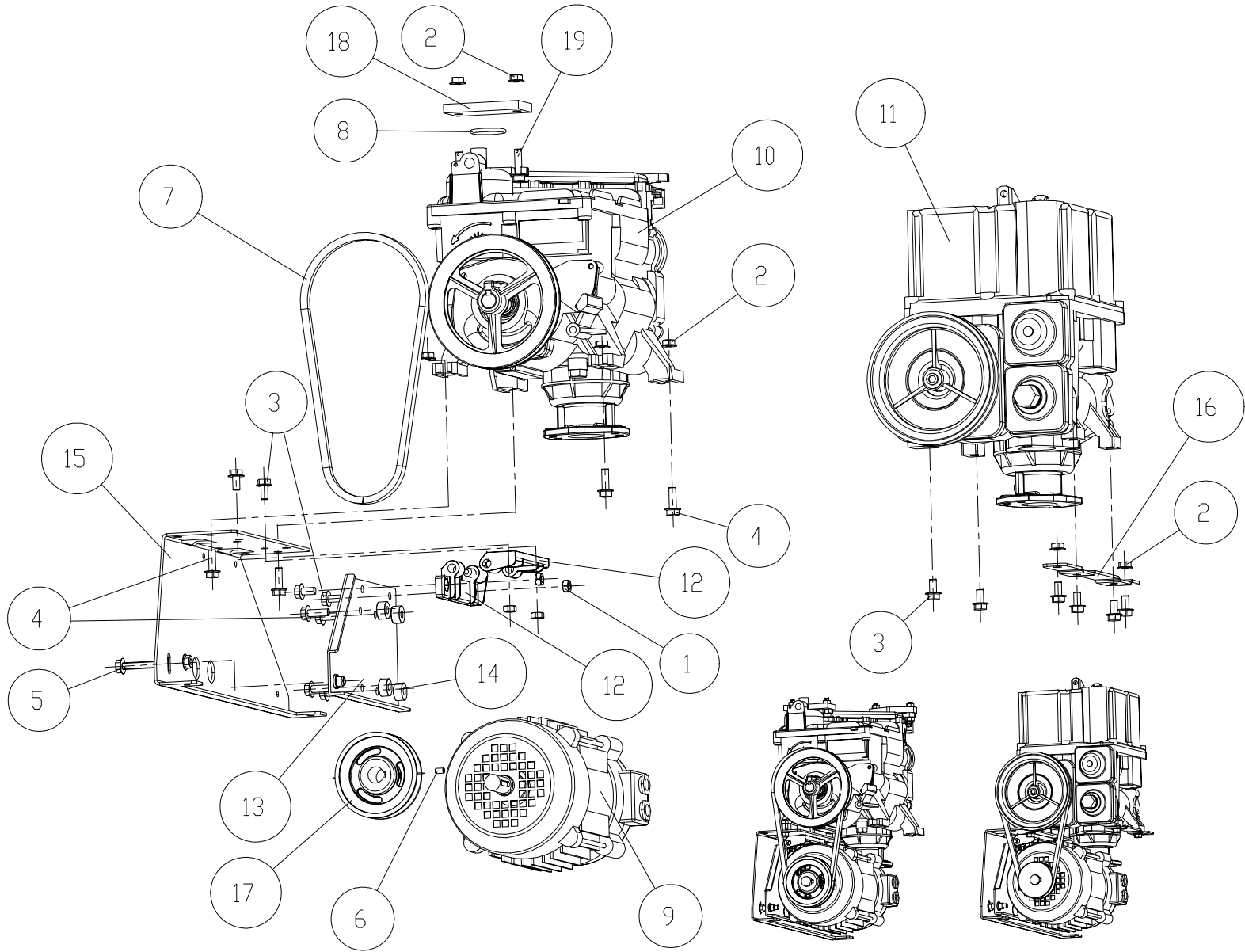
## 4.1 Flexible Connections

| Item No | Description                                                                                 | Désignation Français                                                                        | Part No                    | Comments                                               |
|---------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------------|--------------------------------------------------------|
| 1       | Screw HFHSL M8x30                                                                           | Vis Hex Br Autobl M8x30                                                                     | 900016-008                 |                                                        |
| 2       | Screw HFHSL M10x30                                                                          | Vis Hex Br Autobl M10x30                                                                    | 900016-017                 |                                                        |
| 3       | Screw HFHSL M10x40                                                                          | Vis Hex Br Autobl M10x40                                                                    | 900016-018                 |                                                        |
| 4       | O-ring 49.00x6.00                                                                           | Joint Torique 49.00x6.00                                                                    | 900050-028                 |                                                        |
| 5       | Shear valve                                                                                 | Raccord Cassant                                                                             | 901108                     |                                                        |
| 6       | Pipe flex weld assembly<br>Flex Coup 1.5" O'ring P1/3 Q4T<br>Flex Coup 1.5" O'ring P2/4 Q4T | Tube d'aspiration soude<br>Flex. Conn 1.5 O'ring P1/3 Q4T<br>Flex Conn 1.5" O'ring P2/4 Q4T | 901900<br>904904<br>904905 | Q400T only - 325mm length<br>Q400T only - 207mm length |
| 7       | Terminal earth cable                                                                        | Collier de masse D60                                                                        | 901903                     |                                                        |
| 8       | Earthwire                                                                                   | Fil de mise a la terre                                                                      | 901904                     |                                                        |
| 9       | Gasket - Flange 76-84                                                                       | Joint de bride 76-84                                                                        | 901905                     |                                                        |
| 10      | Flange backing for O-ring                                                                   | Contre-bride pour joint torique                                                             | 901906                     |                                                        |
| 11      | Assembly flexwell 1 1/2" female                                                             | Tube d'aspiration soude                                                                     | 901929                     |                                                        |
| 12      | Gasket - Flange 82-110                                                                      | Joint de bride 82-110                                                                       | 901930                     |                                                        |
| 13      | R1 1/2" x R1 1/2" Nipple                                                                    | Machon R1 1/2" x R1 1/2"                                                                    | 902212-002                 |                                                        |
| 14      | R1 1/2" x R2" Nipple                                                                        | Machon R1 1/2" x R2"                                                                        | 902212-003                 |                                                        |
| 15      | Nut - NEFIT coupling                                                                        | Ecrou raccord NEFIT                                                                         | 902863                     |                                                        |
| 16      | Body - NEFIT coupling                                                                       | Corps raccord NEFIT                                                                         | 902864                     |                                                        |
| 17      | Washer - NEFIT seal                                                                         | Rondelle joint NEFIT                                                                        | 902865                     |                                                        |
| 18      | Sealing ring - NEFIT coupling                                                               | Joint raccord NEFIT                                                                         | 902866                     |                                                        |
| 19      | Top Hat Filter (inline)                                                                     | Filtre "top hat"                                                                            | 902964                     | UK Option                                              |
| 20      | Socket M/F 1 1/2" x 2"                                                                      | Machon M/F 1 1/2" x 2"                                                                      | 903466-001                 |                                                        |
| 21      | Pipe NEFIT adaptor<br>Pipe NEFIT adaptor Q400T                                              | Tube connexion NEFIT<br>Tube connexion NEFIT Q400T                                          | 903583<br>904849           | Q400T only                                             |



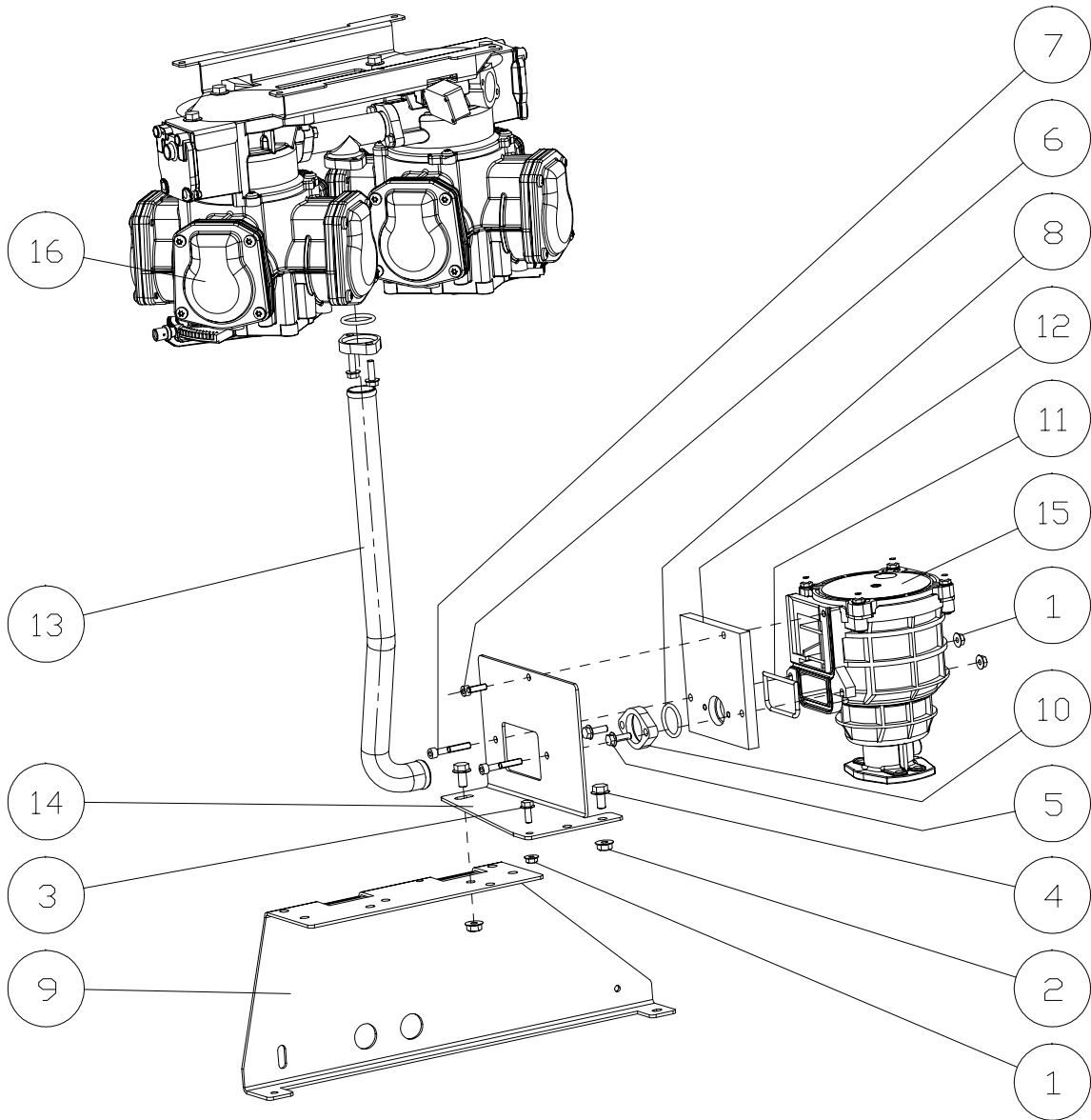
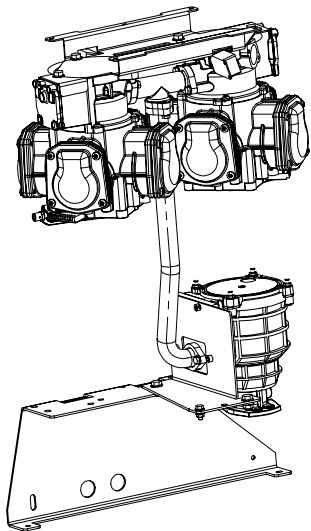
## 4.2 Filter Assembly

|    | Description                     | Désignation Français             | Part No    | Comments               |
|----|---------------------------------|----------------------------------|------------|------------------------|
| 1  | Screw HH M6x20                  | Vis H M6x20                      | 900015-010 |                        |
| 2  | O-Ring 78.00x3.00               | Joint Torique 78.00x3.00         | 900050-008 |                        |
| 3  | O-Ring 82.14x3.53               | Joint Torique 82.14x3.53         | 900050-025 |                        |
| 4  | O-Ring 120.00x4.00              | Joint Torique 120.00x4.00        | 900050-027 |                        |
| 5  | Filterbox - EPZ                 | Boite de filtre - EPZ            | 900324     | EPZ                    |
|    | Filterbox - PAS V3              | Boite de filtre - PAS V3         | 902398     | PAS V3                 |
| 6  | Adaptor EPZ - filterbox         | Adaptateur EPZ - boite de filtre | 900358     |                        |
| 7  | Dowty Seal self centre 1/4" BSP | Dowty joint torique 1/4" BSP     | 900450-001 | Filter monitor option  |
| 8  | O-ring filterbox                | Joint boite de filtre            | 900635     | EPZ                    |
| 9  | Sticker filterbox cover         | Autocollant couvercle boite de   | 900636     |                        |
| 10 | Nut Hex Serpress M6             | Ecrou Serpress M6                | 901295-001 |                        |
| 11 | Filter 90 microns               | Filtre 90 microns                | 901612     |                        |
|    | Filter 12 microns               | Filtre 12 microns                | 901613     |                        |
|    | Filter 25 microns               | Filtre 25 microns                | 901614     |                        |
| 12 | Spring plate                    | Plaque supp Equipee              | 901693     |                        |
| 13 | Filter box cover                | Couvercle boite de filtre        | 901694     |                        |
| 14 | Stud M6x40 (18-4-18)            | Goujon M6x40 (18-4-18)           | 901695     |                        |
| 15 | Flexible connections assy       | Connexions flexibles asm         | -          | Refer to Flexi drawing |
| 16 | O-ring filterbox support        | Joint platine BAF                | 902388     | PAS V3                 |
| 17 | Valve - Ball (Mini)             | Vanne Spherique (Mini)           | 903472-001 | Filter monitor option  |
| 18 | Cover - adapted filter lid      | Couvercle - adapte filtre        | 903473     | Filter monitor option  |
| 19 | Assy - check valve              | Asm - clapet anti-retour         | 903478     | Filter monitor option  |
| 20 | Foot valve guide                | Guide clapet                     | 901690     |                        |
|    | Foot valve flat seal            | Joint de clapet                  | 901691     |                        |
|    | Foot valve head                 | Tete clapet                      | 901692     |                        |
|    | Foot valve                      | Clapet aspiration                | 901822     |                        |



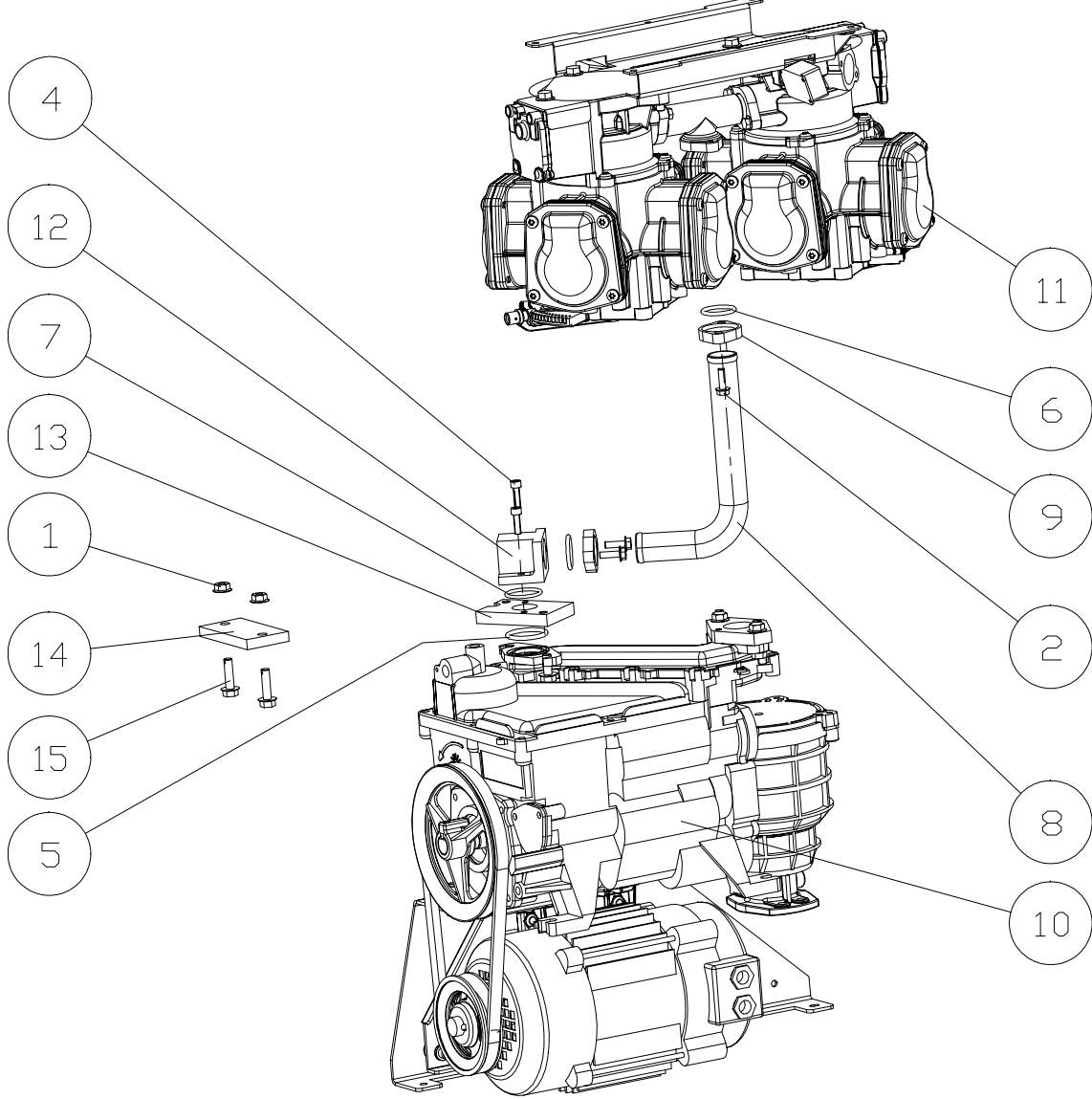
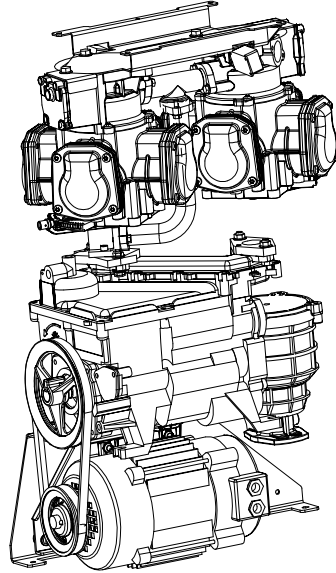
### 4.3 Pump and Motor Assembly

| Item No | Description                                                                                                                                                                                                                                                             | Désignation Français                                                                                                                                                                                                                                           | Part No                                                                                    | Comments                                                                                                                    |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| 1       | Nut Hex M8                                                                                                                                                                                                                                                              | Ecrou H M8                                                                                                                                                                                                                                                     | 900011-003                                                                                 |                                                                                                                             |
| 2       | Nut Hex Self Lock M8                                                                                                                                                                                                                                                    | Ecrou Bride Autobloquant M8                                                                                                                                                                                                                                    | 900013-004                                                                                 |                                                                                                                             |
| 3       | Screw HFHSL M8x16                                                                                                                                                                                                                                                       | Vis Hex Br Autobl M8x16                                                                                                                                                                                                                                        | 900016-006                                                                                 |                                                                                                                             |
| 4       | Screw HFHSL M8x25                                                                                                                                                                                                                                                       | Vis Hex Br Autobl M8x25                                                                                                                                                                                                                                        | 900016-007                                                                                 |                                                                                                                             |
| 5       | Screw HFHSL M8x35                                                                                                                                                                                                                                                       | Vis Hex Br Autobl M8x35                                                                                                                                                                                                                                        | 900016-015                                                                                 |                                                                                                                             |
| 6       | Screw HSS Cup Point M6x10                                                                                                                                                                                                                                               | Vis HCCU M6x10                                                                                                                                                                                                                                                 | 900019-001                                                                                 |                                                                                                                             |
| 7       | V-Belt - 13 x 8 x 684<br>V-Belt - 13 x 8 x 760<br>V-Belt - 13 x 8 x 720                                                                                                                                                                                                 | Courroie - 13 x 8 x 684<br>Courroie - 13 x 8 x 760<br>Courroie - 13 x 8 x 720                                                                                                                                                                                  | 900028-003<br>900028-004<br>900028-005                                                     | EPZ<br>PAS V3 (80 l/min)<br>PAS V3 (130 l/min)                                                                              |
| 8       | O-Ring 34.00x4.00                                                                                                                                                                                                                                                       | Joint Torique 34.00x4.00                                                                                                                                                                                                                                       | 900050-002                                                                                 |                                                                                                                             |
| 9       | 3 Phase Motor EXD 1kW Star 400V 12clk<br>3 Phase Motor EXD 1.5kW Star 400V 12clk<br>3 Phase Motor EXD 1kW Delta 400V 12clk<br>3 Phase Motor EXD 1.5kW Delta 400V 12clk<br>Motor single phase 1kW CW<br>Motor Single Phase 1kW CCW<br>Single Phase Elnor 1.5KW Motor CCW | Moteur 3 phase EXD 1kW Star 400V 12clk<br>Moteur 3 phase EXD 1.5kW Star 400V 12clk<br>Moteur 3 phase EXD 1kW Delta 400V 12clk<br>Moteur 3 phase EXD 1.5kW Delta 400V 12clk<br>Moteur 1 phase 1kW CW<br>Moteur 1 phase 1kW CCW<br>Moteur 1 phase Elnor 1.5K CCW | 900060-002<br>900060-003<br>900068-002<br>900068-003<br>903079-001<br>903079-002<br>903173 | EPZ or PAS V3 (80 l/min)<br>PAS V3 (130 l/min)<br>EPZ or PAS V3 (80 l/min)<br>PAS V3 (130 l/min)<br>EPZ<br>PAS V3<br>PAS V3 |
| 10      | PAS V3 pump                                                                                                                                                                                                                                                             | PAS V3 pompe                                                                                                                                                                                                                                                   | 900359                                                                                     |                                                                                                                             |
| 11      | EPZ pump                                                                                                                                                                                                                                                                | EPZ pompe                                                                                                                                                                                                                                                      | 900360                                                                                     |                                                                                                                             |
| 12      | Hinge assembly<br>Modified Hinge assembly                                                                                                                                                                                                                               | Charnière assemblée<br>Assemblée de Charnière modifiée                                                                                                                                                                                                         | 900393<br>903174                                                                           | Hinge for single phase motor                                                                                                |
| 13      | Bracket assembly - motor                                                                                                                                                                                                                                                | Support moteur assemblé                                                                                                                                                                                                                                        | 900395                                                                                     |                                                                                                                             |
| 14      | Spacer - motor                                                                                                                                                                                                                                                          | Entretoise moteur                                                                                                                                                                                                                                              | 900396                                                                                     | EPZ & PAS V3 (80 l/min) Star/Delta                                                                                          |
| 15      | Bracket - pump                                                                                                                                                                                                                                                          | Support pompe                                                                                                                                                                                                                                                  | 900397                                                                                     |                                                                                                                             |
| 16      | Adaptor for EPZ75 fixation                                                                                                                                                                                                                                              | Adaptateur fixation EPZ75                                                                                                                                                                                                                                      | 900712                                                                                     |                                                                                                                             |
| 17      | Pulley motor Dp68mm incl screw<br>Pulley motor Dp95mm incl screw<br>Pulley motor Dp71mm incl screw                                                                                                                                                                      | Poulie moteur Dp68mm avec vis<br>Poulie moteur Dp95mm avec vis<br>Poulie moteur Dp71mm avec vis                                                                                                                                                                | 901450<br>901465<br>901466                                                                 | EPZ<br>PAS V3 (80 l/min)<br>PAS V3 (130 l/min)                                                                              |
| 18      | Plate - blanking PAS V3                                                                                                                                                                                                                                                 | Plaque d'obturation PAS V3                                                                                                                                                                                                                                     | 901723                                                                                     |                                                                                                                             |
| 19      | Screw sealing M8x30                                                                                                                                                                                                                                                     | Vis de plombage M8x30                                                                                                                                                                                                                                          | 902005                                                                                     |                                                                                                                             |



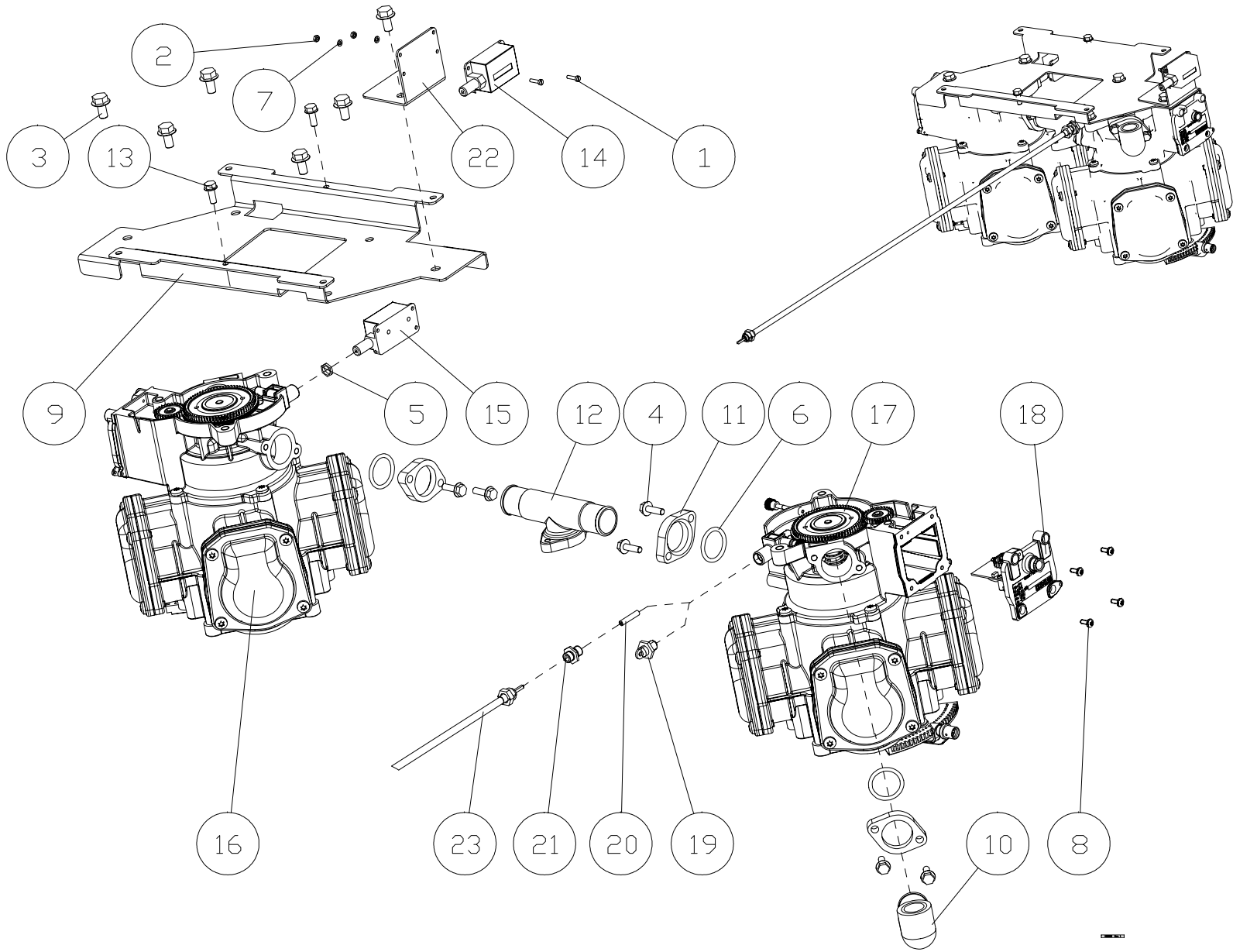
#### 4.4 Inlet to Meter (Submerged Standard) Assembly

| Item No | Description                       | Désignation Français              | Part No    | Comments                    |
|---------|-----------------------------------|-----------------------------------|------------|-----------------------------|
| 1       | Nut Hex Self Lock M6              | Ecrou Bride Autobloquant M6       | 900013-003 |                             |
| 2       | Nut Hex Self Lock M8              | Ecrou Bride Autobloquant M8       | 900013-004 |                             |
| 3       | Screw HFHSL M6x16                 | Vis Hex Br Autobl M6x16           | 900016-004 |                             |
| 4       | Screw HFHSL M8x16                 | Vis Hex Br Autobl M8x16           | 900016-006 |                             |
| 5       | Screw HFHSL M6x20                 | Vis Bride Hex Autobloq M6x20      | 900016-013 |                             |
| 6       | Screw HSHC M6x20                  | Vis CHC M6x20                     | 900017-006 |                             |
| 7       | Screw HSHC M6x40                  | Vis CHC M6x40                     | 900017-009 |                             |
| 8       | O-Ring 27.80x3.60                 | Joint Torique 27.80x3.60          | 900050-016 |                             |
| 9       | Bracket - pump                    | Support pompe                     | 900397     |                             |
| 10      | Flange - oval D28                 | Bride ovale D28                   | 900475     |                             |
| 11      | O-ring filterbox                  | Joint de filtre                   | 900635     |                             |
| 12      | Adaptor Flange Submerge Filterpot | Adapteur immergee filtre          | 901075     |                             |
| 13      | Pipe Submerge Filter - Meters     | Tube immergee filtre - mesureurs  | 901076     | Q500T Dispenser             |
|         | Pipe Submerge Filter - Meter B    | Tube immergee filtre - mesureur B | 901077     | Q500T Dispenser             |
|         | Pipe Submerge Filter - Meter A    | Tube immergee filtre - mesureur A | 901078     | Q500T Dispenser             |
|         | Pipe meter A1A2 - filter          | Tube MA A1A2 - filtre             | 902217     | Q300T Dispenser             |
|         | Pipe meter B1B2 - filter          | Tube MA B1B2 - filtre             | 902218     | Q300T Dispenser             |
|         | Pipe Tee casting - filter         | Tube T - filtre                   | 902219     | Q300T Dispenser             |
|         | Tube filter - meter 1             | Tube filtre - mesureur 1          | 902444     | Q300T Mechanical Register   |
|         | Tube filter - meter 2             | Tube filtre - mesureur 2          | 902445     | Q300T Mechanical Register   |
| 14      | Bracket Submerge Filter Support   | Support immergee filtre           | 901080     |                             |
| 15      | Filter Box Assembly               | Boite de filtre asm               | -          | Refer to Filter Box drawing |
| 16      | Meter stack assembly              | Mesureur asm                      | -          | Refer to Meter drawing      |



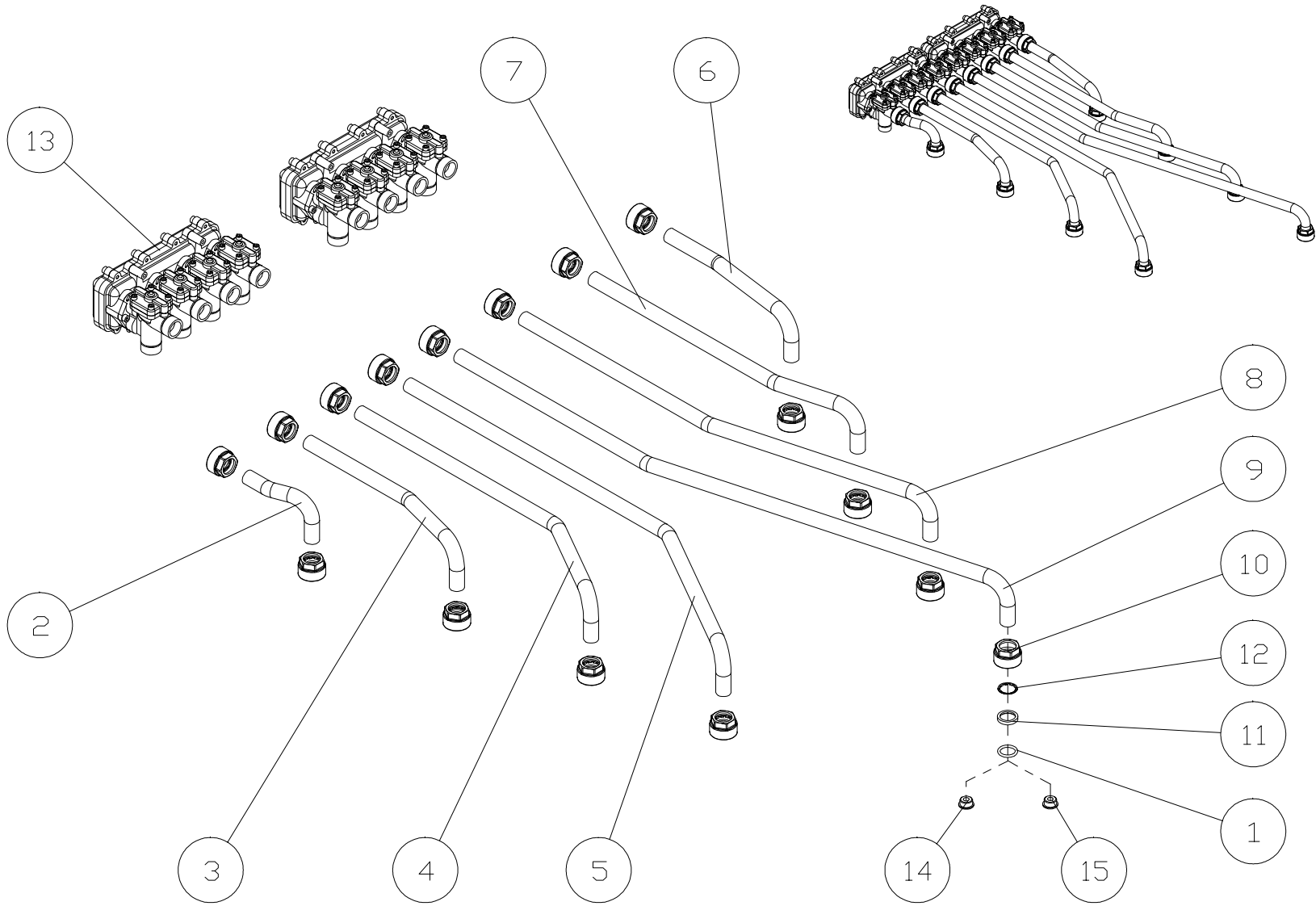
## 4.5 Pump to Meter Assembly

| Item No | Description                      | Désignation Français           | Part No    | Comments                        |
|---------|----------------------------------|--------------------------------|------------|---------------------------------|
| 1       | Nut Hex Self Lock M8             | Ecrou Bride Autobloquant M8    | 900013-004 |                                 |
| 2       | Screw HFHSL M8x20                | Vis Hex Br Autobl M8x20        | 900016-020 |                                 |
| 3       | Screw HFHSL M6x20                | Vis Bride Hex Autobloq M6x20   | 900016-013 |                                 |
| 4       | Screw HSHC M6x20                 | Vis CHC M6x20                  | 900017-006 |                                 |
| 5       | O-ring 32.00x2.5 NBR 70SH        | Joint torique 32.00x2.5 NBR 70 | 900050-045 |                                 |
| 6       | O-Ring 27.80x3.60                | Joint Torique 27.80x3.60       | 900050-016 |                                 |
| 7       | O-Ring 31.00x3.00                | Joint Torique 31.00x3.00       | 900050-017 |                                 |
| 8       | Pipe EPZ to meters               | Tube EPZ vers mesureurs        | 900821     | Q500T Dispenser                 |
|         | Pipe PAS to meters               | Tube PAS vers mesureurs        | 900822     | Q500T Dispenser                 |
|         | Pipe EPZ to meter B              | Tube EPZ vers mesureur B       | 901060     | Q500T Dispenser                 |
|         | Pipe EPZ to meter A              | Tube EPZ vers mesureur A       | 901061     | Q500T Dispenser                 |
|         | Pipe PAS to meter B              | Tube PAS vers mesureur B       | 901062     | Q500T Dispenser                 |
|         | Pipe PAS to meter A              | Tube PAS vers mesureur A       | 901063     | Q500T Dispenser                 |
|         | Pipe EPZ - entrance simult meter | Tube EPZ - T de raccordement   | 900987     | Q300T Dispenser                 |
|         | Pipe EPZ 2 - meter A2            | Tube EPZ 2 - MA A2             | 900988     | Q300T Dispenser                 |
|         | Pipe EPZ 1 - meter B1            | Tube EPZ 1 - MA B1             | 900990     | Q300T Dispenser                 |
|         | Pipe PAS - entr simult meter     | Tube PAS - T de raccordement   | 900991     | Q300T Dispenser                 |
|         | Pipe PAS V3 2 - meter A2         | Tube PAS V3 2 - MA A2          | 900992     | Q300T Dispenser                 |
|         | Pipe PAS 1 - meter B1            | Tube PAS 1 - MA B1             | 900993     | Q300T Dispenser                 |
|         | Pipe EPZ2 - meter                | Tube EPZ2 - mesureur           | 902207     | Q300T Mechanical Register EPZ 2 |
|         | Pipe EPZ1 - meter                | Tube EPZ1 - mesureur           | 902208     | Q300T Mechanical Register EPZ 1 |
| 9       | Flange - oval D28                | Bride ovale D28                | 900475     |                                 |
| 10      | Hydraulic stack assembly         | Module hydraulique asm         | -          | Refer to Pump & Motor drawing   |
| 11      | Meter stack assembly             | Mesureur asm                   | -          | Refer to Meter drawing          |
| 12      | Outlet elbow EPZ Q500T cast      | Coude sortie EPZ Q500T moulé   | 902250     | Q500T Dispenser                 |
| 13      | Adaptor flange PAS outlet        | Adapteur sortie PAS            | 900823     | Q500T Dispenser                 |
|         | PASV3 flange for D28 pipes       | Bride PASV3 pour tubes D28     | 900313     | Q300T Dispenser                 |
| 14      | Plate - blanking PAS V3          | Plaque d'obturation PAS V3     | 901723     |                                 |
| 15      | Screw sealing M8x30              | Vis de plombage M8x30          | 902005     |                                 |



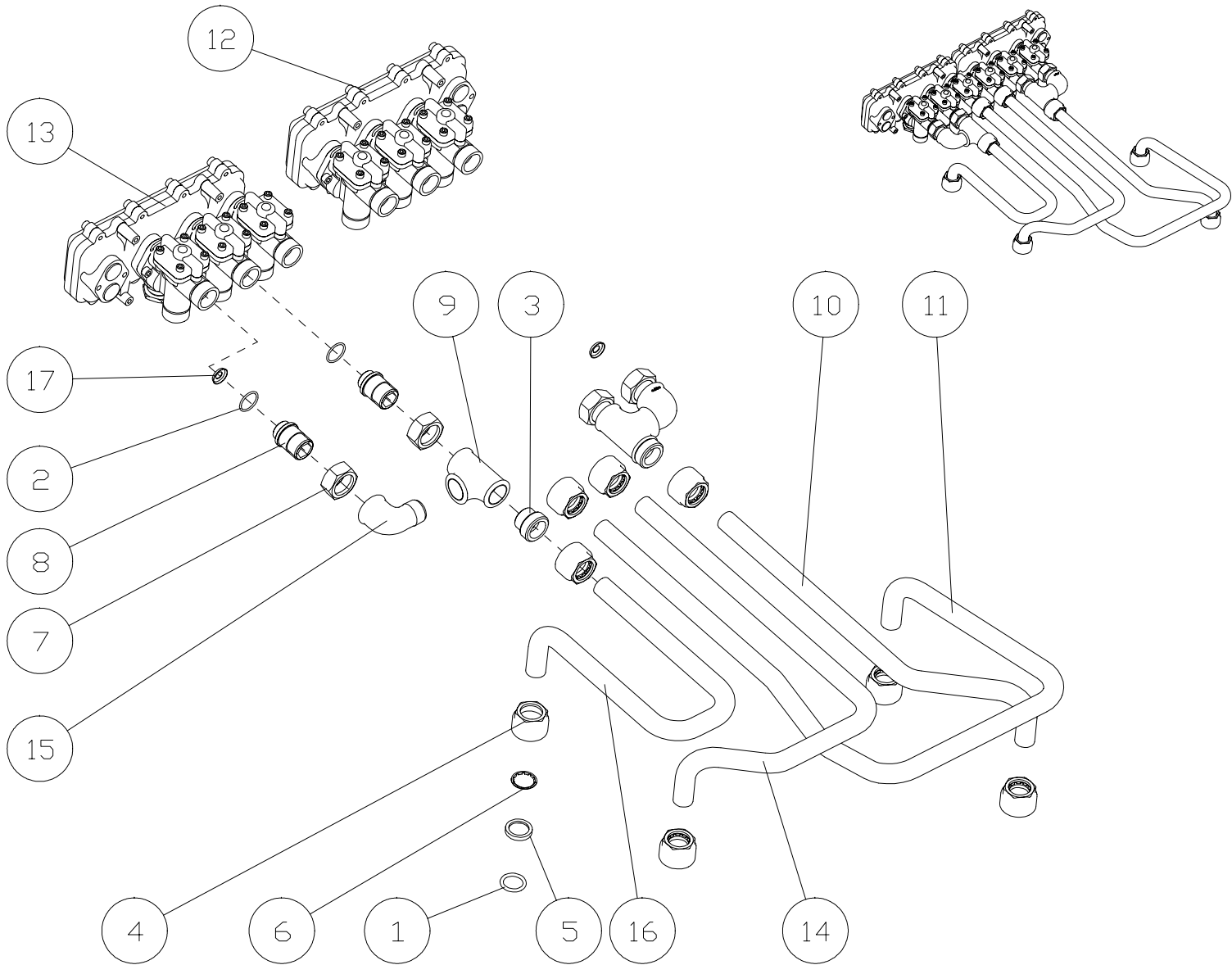
#### 4.6 Meter Assembly

| Item No | Description                                        | Désignation Français                                  | Part No              | Comments                        |
|---------|----------------------------------------------------|-------------------------------------------------------|----------------------|---------------------------------|
| 1       | Screw SCH M3x12                                    | Vis CS M3x12                                          | 900007-010           | Tote for Product 1, Side A only |
| 2       | Nut Hex M3                                         | Secrou H M3                                           | 900011-008           | Tote for Product 1, Side A only |
| 3       | Screw HFHSL M8x16<br>Screw - sealing M8x16         | Vis Bride Hex Autobloq M8x16<br>Vis de plombage M8x16 | 900016-006<br>902004 |                                 |
| 4       | Screw HFHSL M6x20                                  | Vis Hex Br Autobl M6x20                               | 900016-013           |                                 |
| 5       | Nut Hex M10x1.00 for Lock                          | Ecrou M10x1.00 pour Serrures                          | 900043-001           |                                 |
| 6       | O-Ring 27.80x3.60                                  | Joint Torique 27.80x3.60                              | 900050-016           |                                 |
| 7       | Washer Spring Lock M3                              | Rondelle Elast W 3                                    | 900051-002           | Tote for Product 1, Side A only |
| 8       | Screw Torx RCH M4x10                               | Vis CBLX M4x10                                        | 900053-001           |                                 |
| 9       | Bracket - Meter                                    | Support mesureur                                      | 900308               |                                 |
| 10      | Modified outlet elbow Q500T                        | Coude adapte MA26                                     | 900407               |                                 |
| 11      | Flange - oval D28                                  | Bride ovale D28                                       | 900475               |                                 |
| 12      | Tee - Dia 28 M/M/F                                 | Entrée MA26-5 2 Simultanés                            | 900477               |                                 |
| 13      | Screw HFHTF M6x16                                  | Vis Hex Taradeuse M6x16                               | 900708-003           |                                 |
| 14      | Mechanical Totaliser Left                          | Compteur Mecanique Gauche                             | 900743-001           | For cable-driven tote only      |
| 15      | Mechanical Totaliser Right                         | Compteur Mecanique Droite                             | 900743-002           |                                 |
| 16      | MA26 Meter                                         | Mesureur MA26                                         | 901106               |                                 |
| 17      | Module Gear + Totaliser Support                    | Module Pignon + Support Totalisateur                  | 901279               |                                 |
| 18      | Pulser MP-T1 excl cable<br>Pulser MP-T1 with cable | Pulser MP-T1 sans cable<br>Pulser MP-T1 avec cable    | 901487<br>900843     |                                 |
| 19      | Vent body plug                                     | Bouchon d'évent                                       | 902006               | No tote only                    |
| 20      | Adapter Meter - Totaliser                          | Adapteur Mesureur totaliser                           | 902624               | For cable-driven tote only      |
| 21      | Adapter Bush Met-Tot                               | Adapteur Manchon Met-Tot                              | 902625               | For cable-driven tote only      |
| 22      | Totaliser Mounting Bracket                         | Support de Totaliser                                  | 903054               | Tote for Product 1, Side A only |
| 23      | Cable - Totaliser drive                            | Cable d'entrainement de tot                           | 903062               | For cable-driven tote only      |



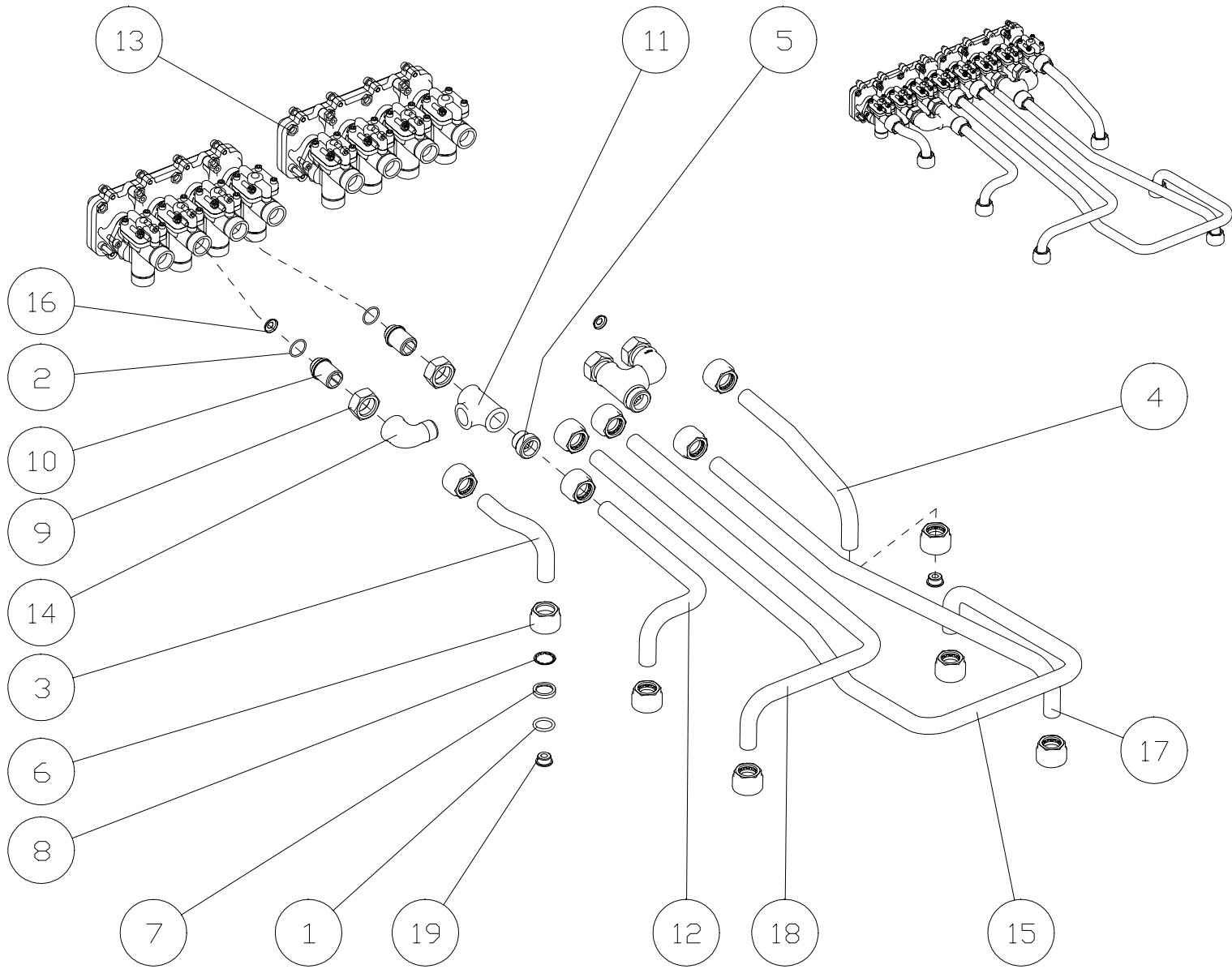
#### 4.7 Meter to Valve Assembly (40/80 l/min)

| Item No | Description                                                                             | Désignation Français                                                                             | Part No                    | Comments                              |
|---------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------|
| 1       | O-Ring 21.82x3.53                                                                       | Joint Torique 21.82x3.53                                                                         | 900050-001                 |                                       |
| 2       | Pipe 1 MA26 valvebox 1A<br>Pipe 1 MA26 valvebox 1A 2F1C                                 | Tube 1 MA26 cage soupape 1A<br>Tube 1 MA26 cage soupape 1A 2F1C                                  | 900408<br>902966           | Single column only                    |
| 3       | Pipe 2 MA26 valvebox 2A<br>Pipe 2 MA26 Valvebox 2A HYD3                                 | Tube 2 MA26 cage soupape 2A<br>Tube 2 MA26 Cage Soupape 2A HY                                    | 900409<br>903896           | Repsol 5-8 only                       |
| 4       | Pipe 3 MA26 valvebox 3A<br>Pipe 3 MA26 Valvebox 3A HYD4                                 | Tube 3 MA26 cage soupape 3A<br>Tube 3 MA26 Cage Soupape 3A HY                                    | 900410<br>903897           | Repsol 5-8 only                       |
| 5       | Pipe 4 MA26 valvebox 4A<br>Pipe 4 MA26 Valvebox 4A HYD5                                 | Tube 4 MA26 cage soupape 4A<br>Tube 4 MA26 Cage Soupape 4A HY                                    | 900411<br>903898           | Repsol 5-8 only                       |
| 6       | Pipe 5 MA26 valvebox 1B<br>Pipe 5 MA26 valvebox 1B 2F1C<br>Pipe 5 MA26 Valvebox 1B HYD2 | Tube 5 MA26 cage soupape 1B<br>Tube 5 MA26 cage soupape 1B 2F1C<br>Tube 5 MA26 Cage soupape 1B H | 900412<br>902965<br>903899 | Single column only<br>Repsol 5-8 only |
| 7       | Pipe 6 MA26 valvebox 2B<br>Pipe 6 MA26 Valvebox 2B HYD3                                 | Tube 6 MA26 cage soupape 2B<br>Tube 6 MA26 Cage soupape 2B HY                                    | 900413<br>903900           | Repsol 5-8 only                       |
| 8       | Pipe 7 MA26 valvebox 3B<br>Pipe 7 MA26 Valvebox 3B HYD4                                 | Tube 7 MA26 cage soupape 3B<br>Tube 7 MA26 Cage soupape 3B HY                                    | 900414<br>903901           | Repsol 5-8 only                       |
| 9       | Pipe 8 MA26 valvebox 4B<br>Pipe 8 MA26 Valvebox 4B HYD5                                 | Tube 8 MA26 cage soupape 4B<br>Tube 8 MA26 Cage Soupape 4B HY                                    | 900415<br>903902           | Repsol 5-8 only                       |
| 10      | Pressure Nut 22mm pipe                                                                  | Ecrou (pression) 22mm tube                                                                       | 900417                     |                                       |
| 11      | Pressure Ring                                                                           | Bague De Pression                                                                                | 900523                     |                                       |
| 12      | Fixing Spring Ring 22mm                                                                 | Bague De Pression 22mm                                                                           | 900525                     |                                       |
| 13      | Valvebox 4 valves Std 1111                                                              | Cage soupape 4 soup Std 1111                                                                     | 900940                     |                                       |
| 14      | Flow reducing ring dia 8.4mm                                                            | Reducteur debit dia 8.4 mm                                                                       | 902282                     | EPZ pump only                         |
| 15      | Flow reducing ring dia 8.0mm                                                            | Reducteur debit dia 8.0mm                                                                        | 902283                     | PAS pump only                         |



**4.8 Meter to Valve Assembly VHS 2-4 (130 l/min + 40 l/min)**

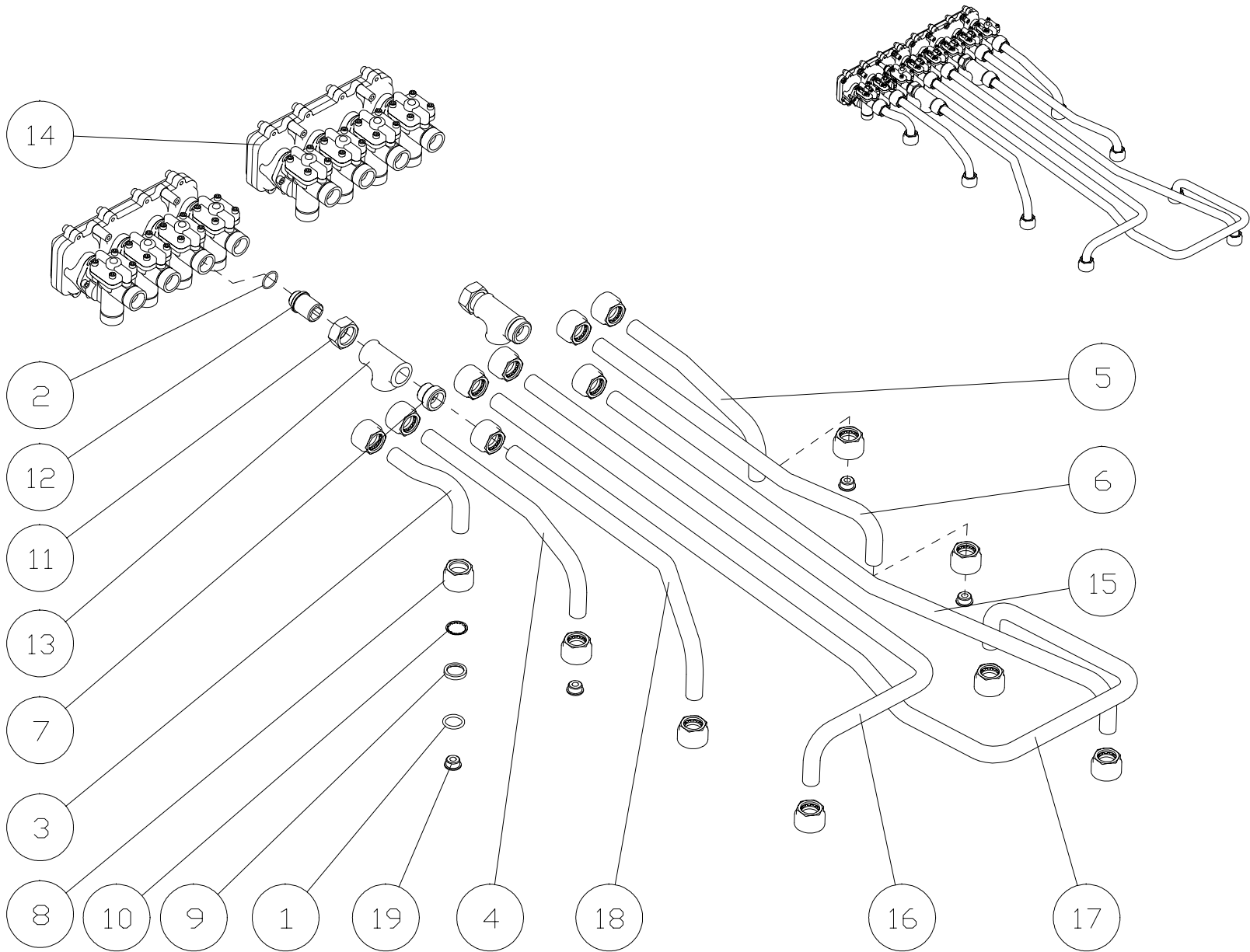
| Item No | Description                | Désignation Français          | Part No    | Comments                  |
|---------|----------------------------|-------------------------------|------------|---------------------------|
| 1       | O-Ring 21.82x3.53          | Joint Torique 21.82x3.53      | 900050-001 |                           |
| 2       | O-Ring 22.00x2.00          | Joint Torique 22.00x2.00      | 900050-018 |                           |
| 3       | Nipple 22mm G1"-G3/4"      | Douille 22mm G1               | 900416     |                           |
| 4       | Pressure Nut 22 mm pipe    | Ecrou (pression) 22mm tube    | 900417     |                           |
| 5       | Pressure Ring              | Bague De Pression             | 900523     |                           |
| 6       | Fixing Spring Ring 22mm    | Bague De Pression 22mm        | 900525     |                           |
| 7       | Pressure Nut G1"           | Ecrou G1"                     | 900791     |                           |
| 8       | Nipple Coupling            | Raccord Mamelon               | 900792     |                           |
| 9       | T 3/4" Female Thread       | Raccord Te 3/4" Filet Fem     | 900847-001 |                           |
| 10      | Pipe 22mm VHS 2F2C 1B      | Tube 22mm VHS 2F2C 1B         | 900850     |                           |
| 11      | Pipe 22mm VHS 2F2C 1B      | Tube 22mm VHS 2F2C 1B         | 900852     |                           |
| 12      | Valvebox 3 valves Std 1110 | Cage soupape 3 soup Std 1110  | -          | Refer to Valvebox drawing |
| 13      | Valvebox 3 valves Std 0111 | Cage soupape 3 soup. Std 0111 | -          | Refer to Valvebox drawing |
| 14      | Pipe 22mm VHS 2F2C 2A      | Tube 22mm VHS 2F2C 2A         | 901762     |                           |
| 15      | Elbow 3/4" M F             | Coude 3/4" M F                | 901866-002 |                           |
| 16      | Pipe 22mm VHS 2F2C 1A      | Tube 22mm VHS 2F2C 1A         | 901926     |                           |
| 17      | Reducer flange valve       | Reducteur febit EV            | 902019     |                           |



Issue B

#### 4.9 Meter to Valve Assembly VHS 3-6 (130 l/min + 40 l/min)

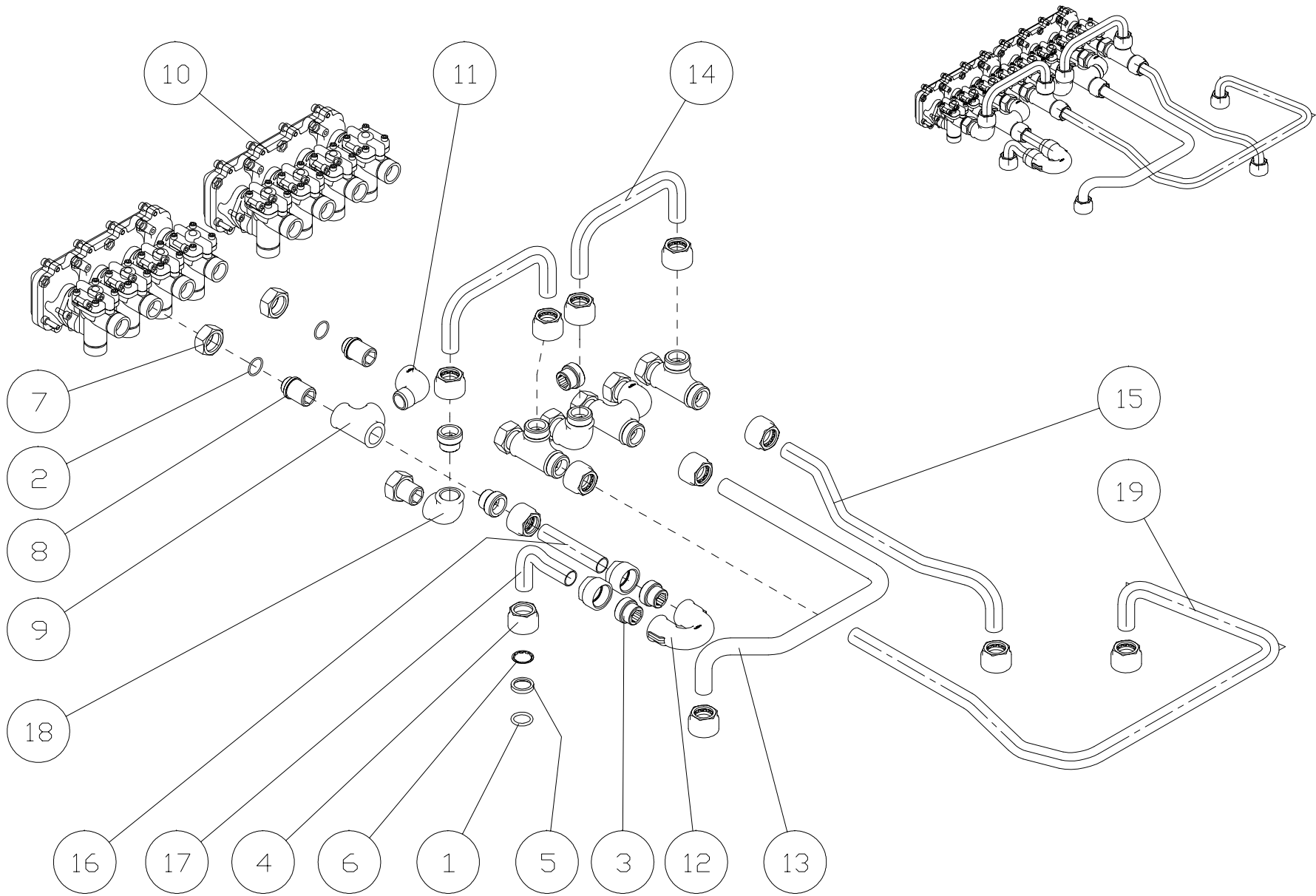
| Item No | Description                  | Désignation Français         | Part No    | Comments                  |
|---------|------------------------------|------------------------------|------------|---------------------------|
| 1       | O-Ring 21.82x3.53            | Joint Torique 21.82x3.53     | 900050-001 |                           |
| 2       | O-Ring 22.00x2.00            | Joint Torique 22.00x2.00     | 900050-018 |                           |
| 3       | Pipe1 MA26 valvebox 1A       | Tube1 MA26 cage soupape 1A   | 900408     |                           |
| 4       | Pipe5 MA26 valvebox 1B       | Tube5 MA26 cage soupape 1B   | 900412     |                           |
| 5       | Nipple 22mm G1"-G3/4"        | Douille 22mm G1              | 900416     |                           |
| 6       | Pressure Nut 22mm pipe       | Ecrou (pression) 22mm tube   | 900417     |                           |
| 7       | Pressure Ring                | Bague De Pression            | 900523     |                           |
| 8       | Fixing Spring Ring 22mm      | Bague De Pression 22mm       | 900525     |                           |
| 9       | Pressure Nut G1"             | Ecrou G1"                    | 900791     |                           |
| 10      | Nipple Coupling              | Raccord Mamelon              | 900792     |                           |
| 11      | T 3/4" Female Thread         | Raccord Te 3/4" Filet Fem    | 900847-001 |                           |
| 12      | Pipe 22mm VHS 3F3C 2A        | Tube 22mm VHS 3F3C 2A        | 900851     |                           |
| 13      | Valvebox 4 valves Std 1111   | Cage soupape 4 soup Std 1111 | -          | Refer to Valvebox drawing |
| 14      | Elbow 3/4" MF                | Coude 3/4" MF                | 901866-002 |                           |
| 15      | Pipe 22mm VHS 3F3C 2B        | Tube 22mm VHS 3F3C 2B        | 901982     |                           |
| 16      | Reducer flange valve         | Reducteur febit EV           | 902019     |                           |
| 17      | Pipe 22mm VHS 3F3C 3B        | Tube 22mm VHS 3F3C 3B        | 902171     |                           |
| 18      | Pipe 22mm VHS 3F3C 3A        | Tube 22mm VHS 3F3C 3A        | 902172     |                           |
| 19      | Flow reducing ring dia 8.4mm | Reducteur debit dia 8.4mm    | 902282     |                           |



Issue B

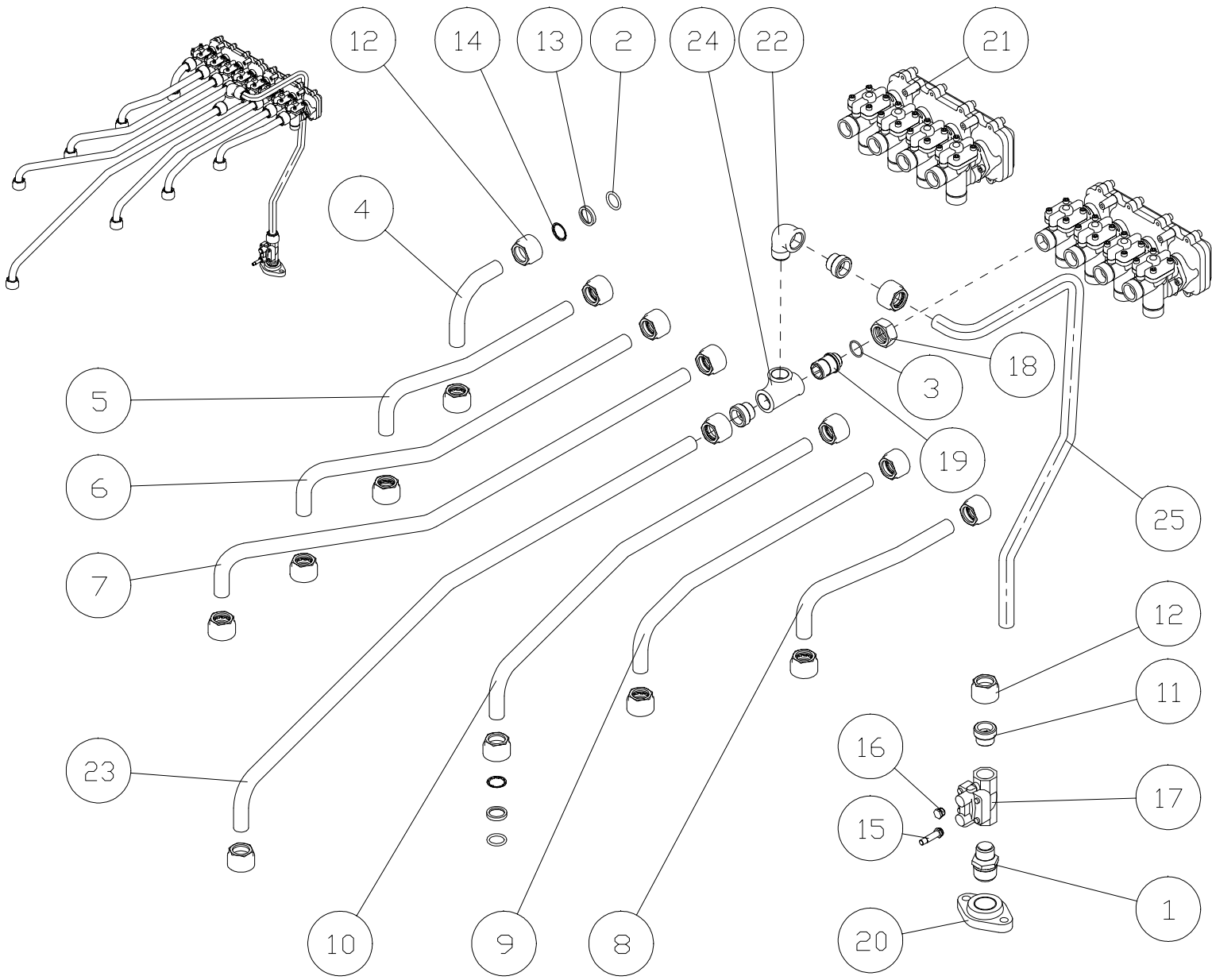
**4.10 Meter to Valve Assembly VHS 4-8 (130 l/min + 40 l/min)**

| Item No | Description                  | Désignation Français        | Part No    | Comments                  |
|---------|------------------------------|-----------------------------|------------|---------------------------|
| 1       | O-Ring 21.82x3.53            | Joint Torique 21.82x3.53    | 900050-001 |                           |
| 2       | O-Ring 22.00x2.00            | Joint Torique 22.00x2.00    | 900050-018 |                           |
| 3       | Pipe 1 MA26 valvebox 1A      | Tube 1 MA26 cage soupape 1A | 900408     |                           |
| 4       | Pipe 2 MA26 valvebox 2A      | Tube 2 MA26 cage soupape 2A | 900409     |                           |
| 5       | Pipe 5 MA26 valvebox 1B      | Tube 5 MA26 cage soupape 1B | 900412     |                           |
| 6       | Pipe 6 MA26 valvebox 2B      | Tube 6 MA26 cage soupape 2B | 900413     |                           |
| 7       | Nipple 22mm G1"-G3/4"        | Douille 22mm G1             | 900416     |                           |
| 8       | Pressure Nut 22mm pipe       | Ecrou (pression) 22 mm tube | 900417     |                           |
| 9       | Pressure Ring                | Bague De Pression           | 900523     |                           |
| 10      | Fixing Spring Ring 22mm      | Bague De Pression 22mm      | 900525     |                           |
| 11      | Pressure Nut G1"             | Ecrou G1"                   | 900791     |                           |
| 12      | Nipple Coupling              | Raccord Mamelon             | 900792     |                           |
| 13      | T 3/4" Female Thread         | Raccord Te 3/4" Filet Fem   | 900847-001 |                           |
| 14      | Valvebox 4 valves Std 1111   | Cage soupape 4 soup Std 111 | -          | Refer to Valvebox drawing |
| 15      | Pipe 22mm VHS 4F4C 4B        | Tube 22mm VHS 4F4C 4B       | 901976     |                           |
| 16      | Pipe 22mm VHS 4F4C 4A        | Tube 22mm VHS 4F4C 4A       | 901979     |                           |
| 17      | Pipe 22mm VHS 4F4C 3B        | Tube 22mm VHS 4F4C 3B       | 902234     |                           |
| 18      | Pipe 22mm VHS 4F4C 3A        | Tube 22mm VHS 4F4C 3A       | 902241     |                           |
| 19      | Flow reducing ring dia 8.4mm | Reducteur debit dia 8.4mm   | 902282     |                           |



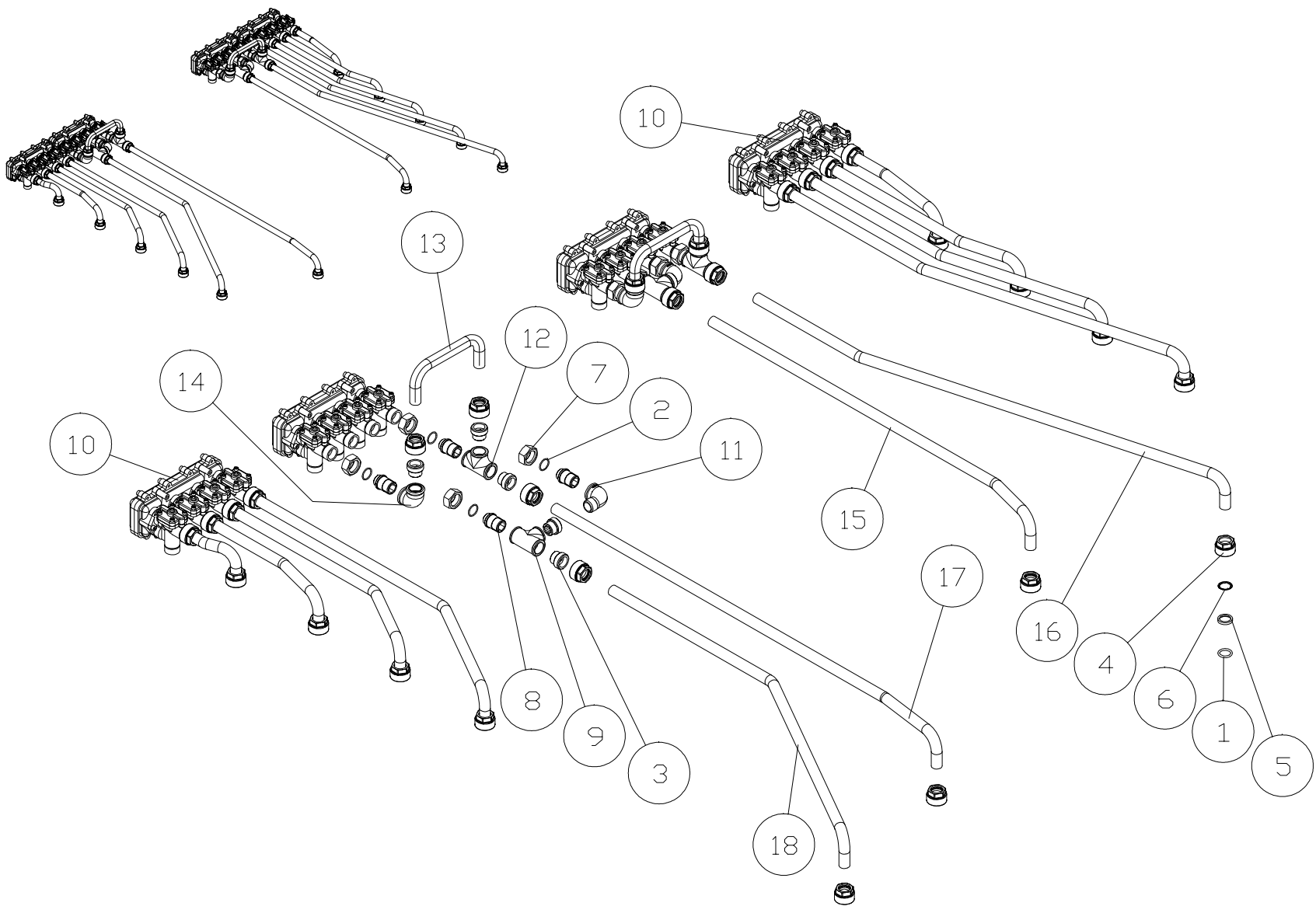
**4.11 Meter to Valve Assembly - VHS Master to Satellite (130 l/min)**

| Item No | Description                | Désignation Français         | Part No    | Comments                  |
|---------|----------------------------|------------------------------|------------|---------------------------|
| 1       | O-Ring 21.82x3.53          | Joint Torique 21.82x3.53     | 900050-001 |                           |
| 2       | O-Ring 22.00x2.00          | Joint Torique 22.00x2.00     | 900050-018 |                           |
| 3       | Nipple 22mm G1"-G3/4"      | Douille 22mm G1              | 900416     |                           |
| 4       | Pressure Nut 22 mm pipe    | Ecrou (pression) 22mm tube   | 900417     |                           |
| 5       | Pressure Ring              | Bague De Pression            | 900523     |                           |
| 6       | Fixing Spring Ring 22mm    | Bague De Pression 22mm       | 900525     |                           |
| 7       | Pressure Nut G1"           | Ecrou G1"                    | 900791     |                           |
| 8       | Nipple Coupling            | Raccord Mamelon              | 900792     |                           |
| 9       | T 3/4" Female Thread       | Raccord Te 3/4" Filet Fem    | 900847-001 |                           |
| 10      | Valvebox 4 valves Std 1111 | Cage soupape 4 soup Std 1111 | -          | Refer to Valvebox drawing |
| 11      | Elbow 3/4" MF              | Coude 3/4" MF                | 901866-002 |                           |
| 12      | Return bend 3/4"           | Courbe double 3/4"           | 901921     |                           |
| 13      | Pipe 22mm B3               | Tube 22mm B3                 | 902034     |                           |
| 14      | Pipe 22mm connecting 1-4   | Tube 22mm assemblage 1-4     | 902035     |                           |
| 15      | Pipe 22mm B1               | Tube 22mm B1                 | 902036     |                           |
| 16      | Pipe 22mm A2 Adapter side  | Tube 22mm A2 Adapteur soie   | 902037     |                           |
| 17      | Pipe 22mm A2 Pump side     | Tube 22mm A2 Pompe soie      | 902038     |                           |
| 18      | Elbow 3/4"F-3/4"F galv     | Coude 3/4"F-3/4"F galv       | 902084-001 |                           |
| 19      | Pipe 22mm VHS 2F2C 1B      | Tube 22mm VHS 2F2C 1B        | 903107     |                           |



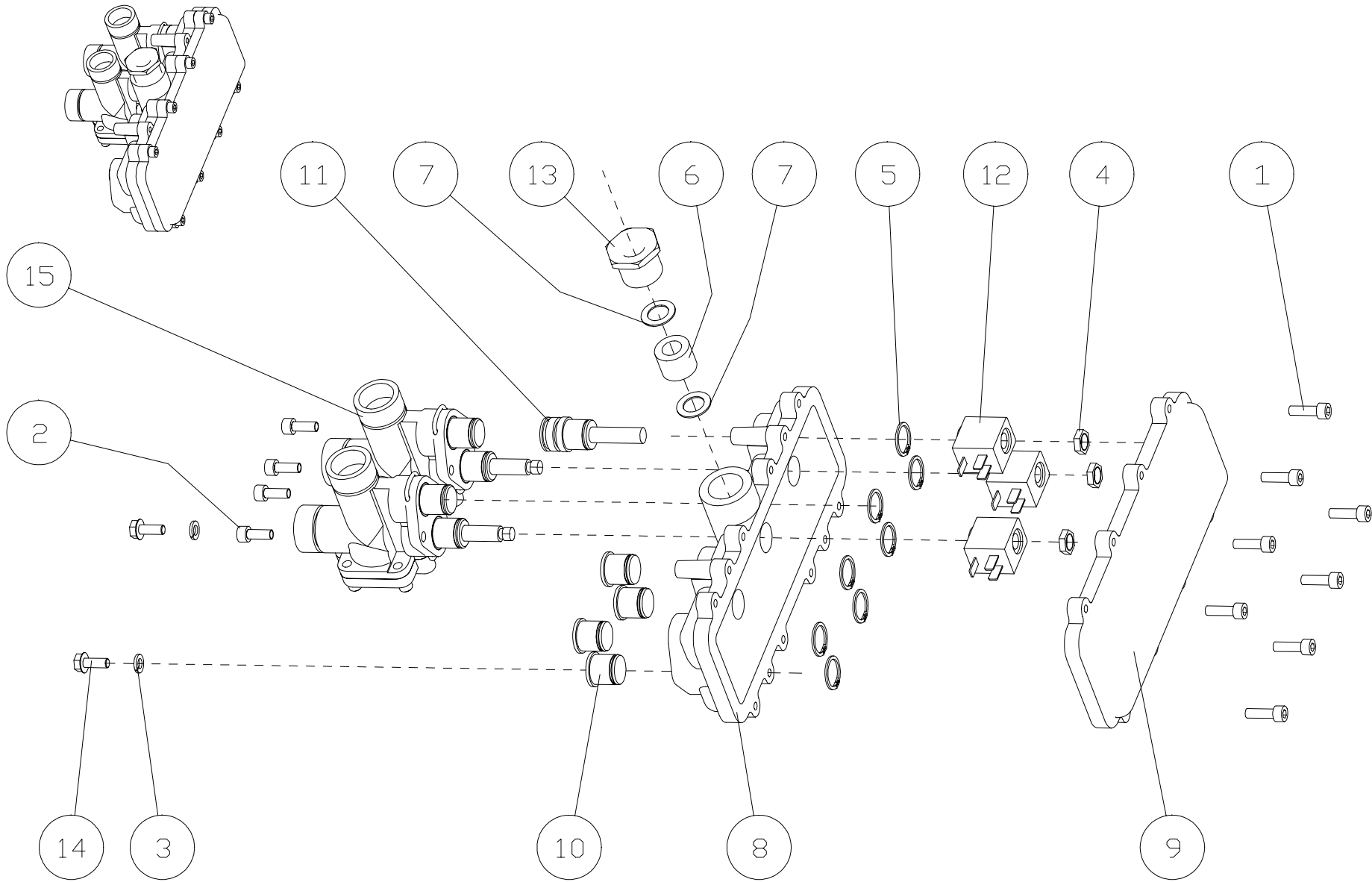
**4.12 Meter to Valve Assembly - HSM 5-8 (80 l/min + 40 l/min)**

| Item No | Description                         | Désignation Français                   | Part No    | Comments                          |
|---------|-------------------------------------|----------------------------------------|------------|-----------------------------------|
| 1       | Coupling Nipple 3/4" - 1" BSPM      | Rac Mam 3/4 - 1                        | 900030-002 |                                   |
| 2       | O-Ring 21.82x3.53                   | Joint Torique 21,82x3,53               | 900050-001 |                                   |
| 3       | O-ring 22.00 x 2.00                 | Joint Torique 22,00 x 2,00             | 900050-018 |                                   |
| 4       | Pipe 1 MA26 valvebox 1A             | Tube 1 MA26 cage soupape 1A            | 900408     |                                   |
| 5       | Pipe 2 MA26 valvebox 2A             | Tube 2 MA26 cage soupape 2A            | 900409     |                                   |
| 6       | Pipe 3 MA26 valvebox 3A             | Tube 3 MA26 cage soupape 3A            | 900410     |                                   |
| 7       | Pipe 4 MA26 valvebox 4A             | Tube 4 MA26 cage soupape 4A            | 900411     |                                   |
| 8       | Pipe 5 MA26 valvebox 1B             | Tube 5 MA26 cage soupape 1B            | 900412     |                                   |
| 9       | Pipe 6 MA26 valvebox 2B             | Tube 6 MA26 cage soupape 2B            | 900413     |                                   |
| 10      | Pipe 7 MA26 valvebox 3B             | Tube 7 MA26 cage soupape 3B            | 900414     |                                   |
| 11      | Nipple 22mm G1" - G3/4"             | Douille 22mm G1                        | 900416     |                                   |
| 12      | Pressure Nut 22mm pipe              | Ecrou (pression) 22mm tube             | 900417     |                                   |
| 13      | Pressure Ring                       | Bague De Pression                      | 900523     |                                   |
| 14      | Fixing Spring Ring 22mm             | Bague De Pression 22mm                 | 900525     |                                   |
| 15      | Plungerhouse & plunger              | Plongeur complete                      | 900723     |                                   |
| 16      | Stop & seal inline valve            | Bouchon soupape                        | 900726     |                                   |
| 17      | Piston valve 3/4" drilled HS/LS     | Soupape 3/4" pour HS/LS                | 900788     | Refer to Valve & Fittings drawing |
| 18      | Pressure Nut G1"                    | Ecrou G1"                              | 900791     |                                   |
| 19      | Nipple coupling                     | Raccord Mamelon                        | 900792     |                                   |
| 20      | Flange 1" 78mm                      | Bride 1" 78mm                          | 901320-001 |                                   |
| 21      | Valvebox 4 valves Std 1111          | Cage soupape 4 soup. Std 1111          | 900940     |                                   |
| 22      | Elbow 3/4" M F                      | Coude 3/4" M F                         | 901866-002 |                                   |
| 23      | Pipe 8 MA26 Satellite Connection 4B | Tube 8 MA26 Connection de Satellite 4B | 903199     |                                   |
| 24      | VHS split coupling assy 22mm V2     | VHS couplage 22 V2 new                 | 903200     |                                   |
| 25      | Satellite Connection Pipe LHS       | Pipe Satellite De Conn. LHS            | 903215     |                                   |



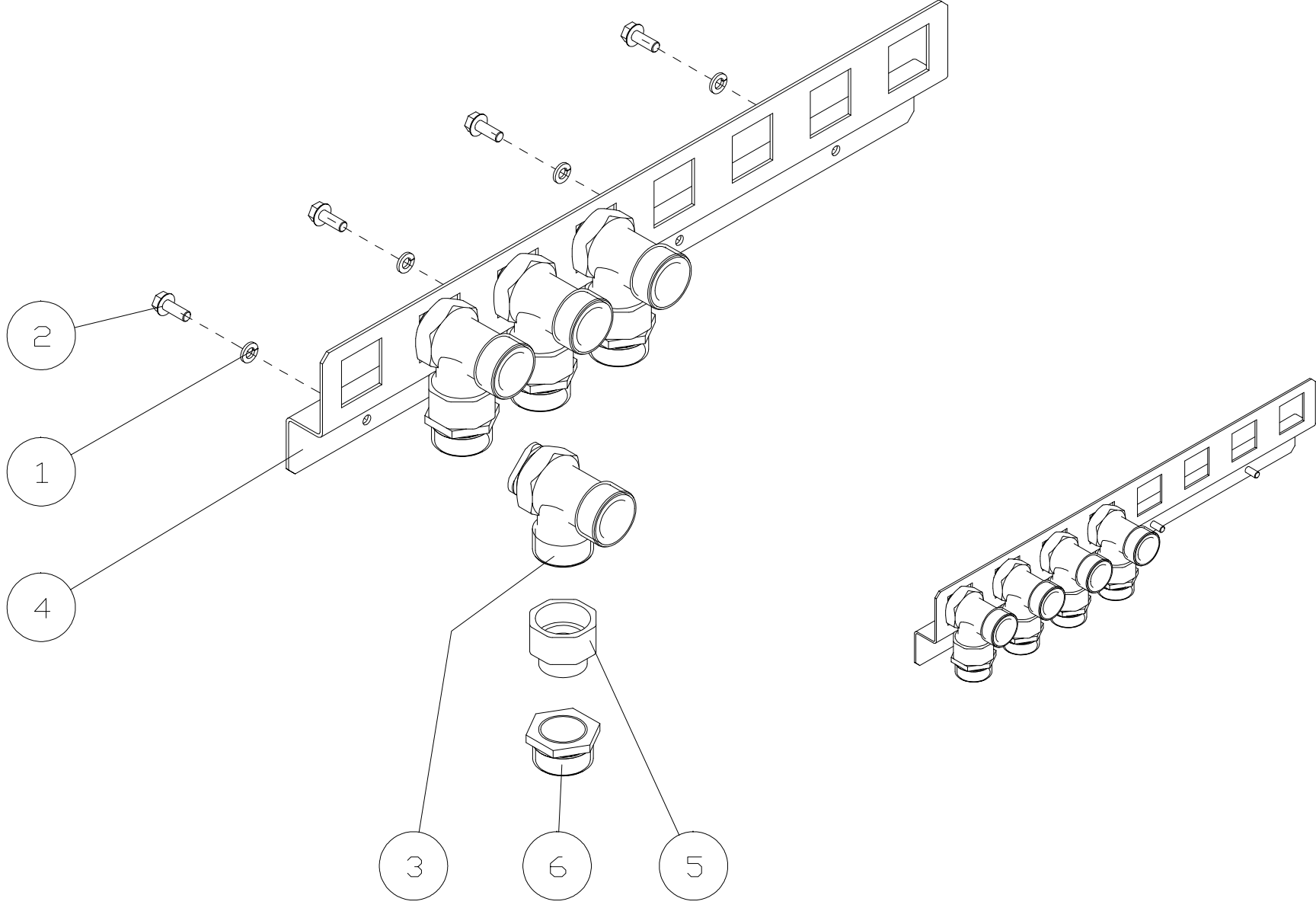
**4.13 Meter to Valve Assembly - SVHSM 5-5 (130 l/min + 40 l/min)**

| Item No | Description                     | Désignation Français          | Part No    | Comments |
|---------|---------------------------------|-------------------------------|------------|----------|
| 1       | Pipe 1 MA26 valvebox 1A         | Tube 1 MA26 cage soupape 1A   | 900408     |          |
| 2       | Pipe 2 MA26 valvebox 2A         | Tube 2 MA26 cage soupape 2A   | 900409     |          |
| 3       | Pipe 3 MA26 valvebox 3A         | Tube 3 MA26 cage soupape 3A   | 900410     |          |
| 4       | Pipe 4 MA26 valvebox 4A         | Tube 4 MA26 cage soupape 4A   | 900411     |          |
| 5       | Pipe 5 MA26 valvebox 1B         | Tube 5 MA26 cage soupape 1B   | 900412     |          |
| 6       | Pipe 6 MA26 valvebox 2B         | Tube 6 MA26 cage soupape 2B   | 900413     |          |
| 7       | Pipe 7 MA26 valvebox 3B         | Tube 7 MA26 cage soupape 3B   | 900414     |          |
| 8       | Pipe 8 MA26 Valvebox 4B         | Tube 8 MA26 Cage Soupape 4B   | 900415     |          |
| 9       | Nipple 22mm G1"-G3/4"           | Douille 22mm G1               | 900416     |          |
| 10      | Assy AM Coupling 3/4"           | Comp AM Coupling 3/4"         | 900793     |          |
| 11      | 22mm pipe connection assembly   | Tuyaux connection assy 22mm   | 900830     |          |
| 12      | VHS split coupling assy 22mm    | VHS couplage 22mm             | 900848     |          |
| 13      | Valvebox 4 valves Std 1111      | Cage soupape 4 soup. Std 1111 | 900940     |          |
| 14      | VHS split coupling assy 22mm V2 | VHS couplage 22 V2            | 901974     |          |
| 15      | Pipe 22mm connecting 1-4        | Tube 22mm assemblage 1-4      | 902035     |          |
| 16      | Elbow 3/4"F-3/4"F galv.         | Coude 3/4"F-3/4"F galv.       | 902084-001 |          |
| 17      | Pipe Mtr-A5 Valvebox 2A Hyd 5   | Tube Mtr-A5 Boite EV 2A Hyd 5 | 904080     |          |
| 18      | Pipe Mtr-B5 Valvebox 4A Hyd 5   | Tube Mtr-B5 Boite EV 4A Hyd 5 | 904081     |          |
| 19      | Pipe Mtr-B5 alveboxX 1B Hyd 5   | Tube Mtr-B5 Boite EV 1B Hyd 5 | 904082     |          |
| 20      | Pipe Mtr-A5 Valvebox 3B Hyd 5   | Tube Mtr-A5 Boite EV 3B Hyd 5 | 904083     |          |



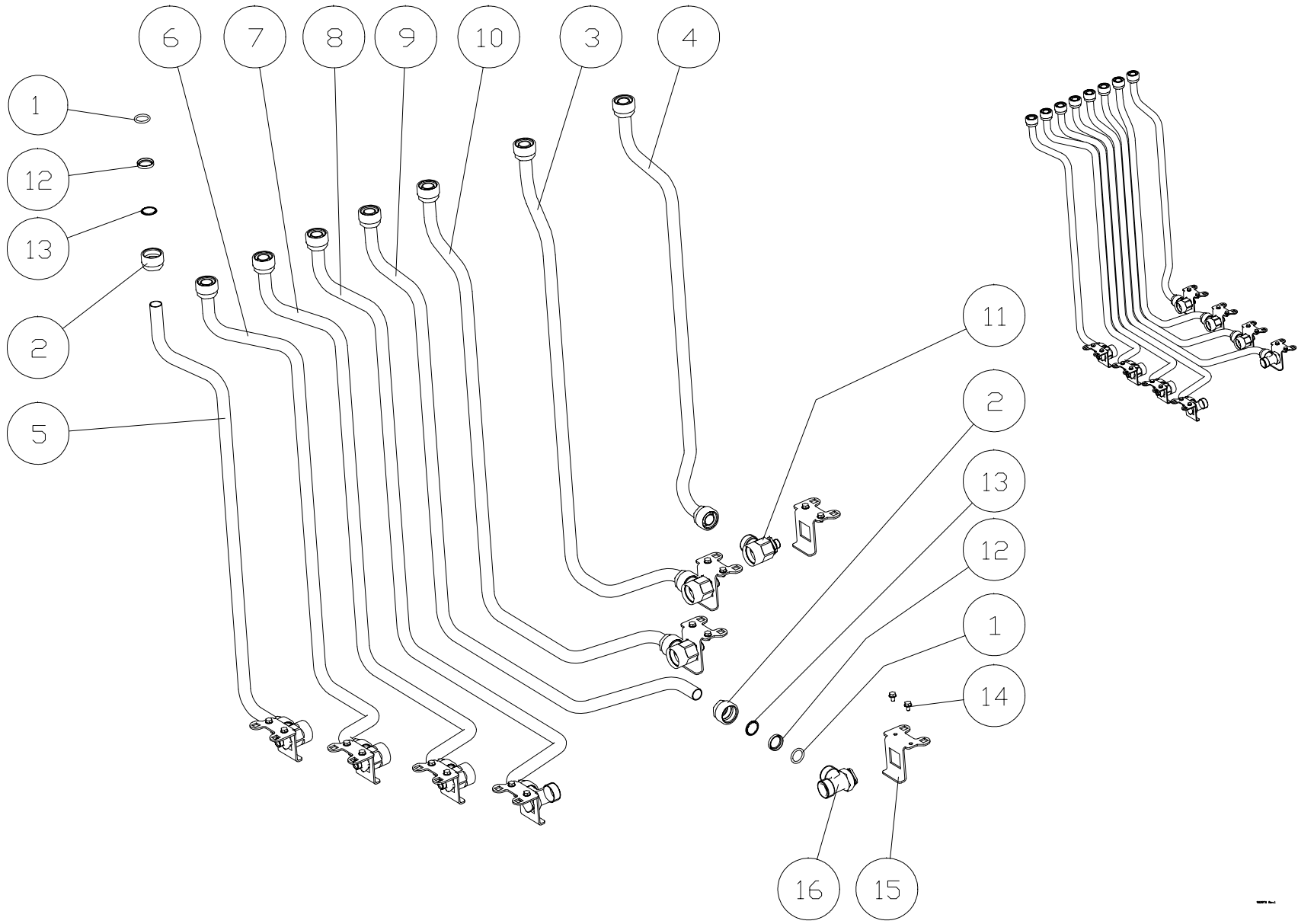
#### 4.14 Valve Box Assembly

| Item No | Description                | Désignation Français          | Part No    | Comments |
|---------|----------------------------|-------------------------------|------------|----------|
| 1       | Screw HSHC M6x20           | Vis CHC M6x20                 | 900017-006 |          |
| 2       | Screw HSHC M6x16           | Vis CHC M6x16                 | 900017-007 |          |
| 3       | Washer Spring Lock M6      | Rondelle Elast W 6            | 900051-003 |          |
| 4       | Nut Hex G1/8" Plunger      | Ecrou Hex G1/8" Pour Piston   | 900102-001 |          |
| 5       | Ring Retain Shaft 19mm     | Anneau Elast Ext 19mm         | 900103-001 |          |
| 6       | Grommet 10-13              | Bouchon                       | 900112     |          |
| 7       | Back-up ring 8-13          | Rondelle acier                | 900114     |          |
| 8       | Valvebox bottom part       | Cage de soupape sous          | 900121     |          |
| 9       | Valvebox Cover             | Couvercle cage de soupape     | 900124     |          |
| 10      | Blindplug Valvebox         | Prise aveugle cage de soupape | 900126     |          |
| 11      | Plunger valvebox           | Piston cage de soupape        | 900127     |          |
| 12      | Coil 24V DC                | Bobine 24V DC                 | 900128     |          |
| 13      | Gland Eexd 3/4 14mm        | Gland Eexd 3/4 14mm           | 900134     |          |
| 14      | Screw HFHTF M6x16          | Vis Hex Taraudeuse M6x16      | 900708-003 |          |
| 15      | Valvebody for box Standard | Soupape défaut                | 900958     |          |



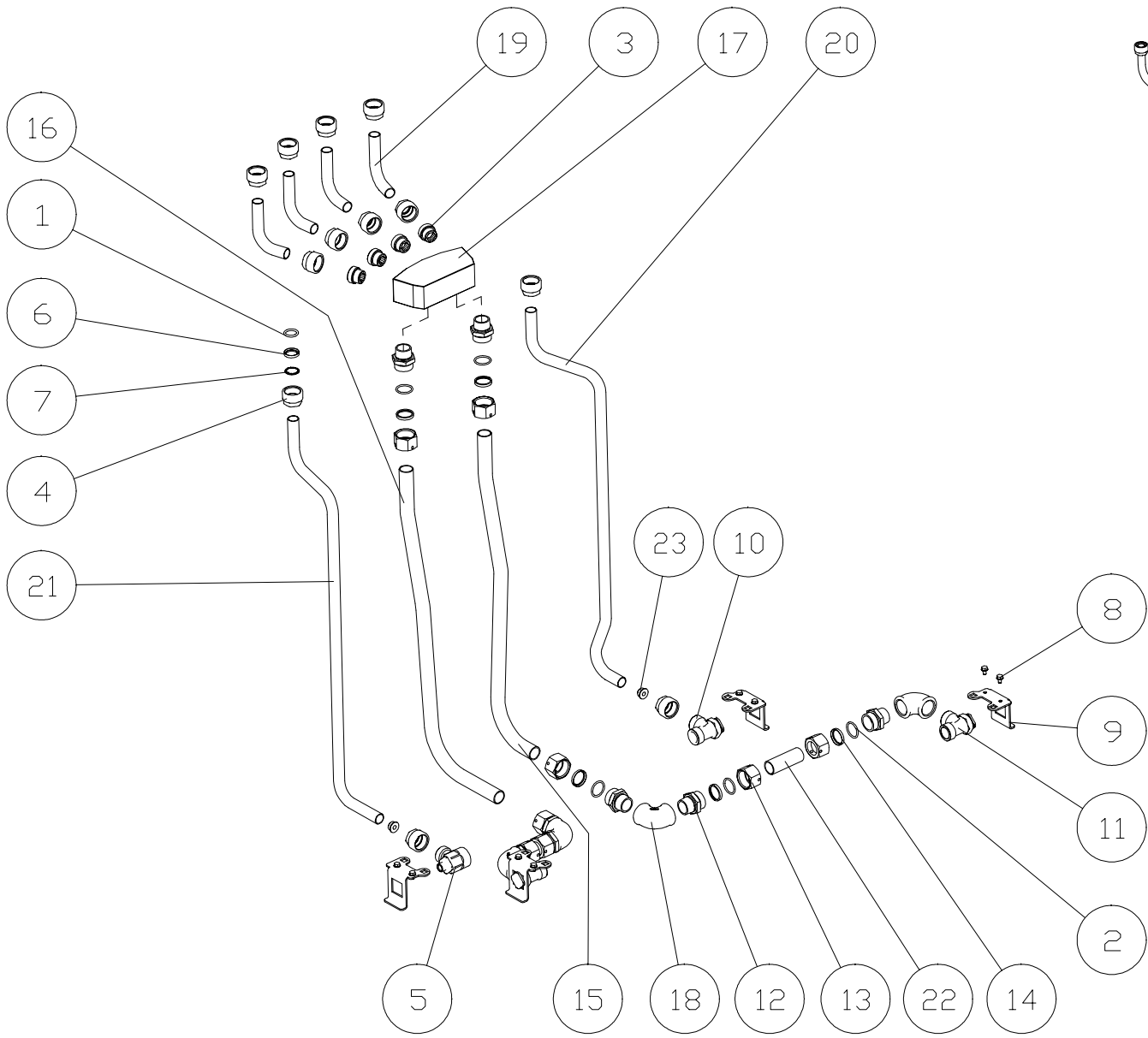
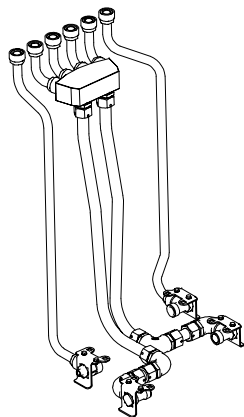
**4.15 Non-Valve Box Option (single-sided, non-preset, non-submerged 1-4 hoses only)**

| Item No | Description             | Désignation Français               | Part No    | Comments |
|---------|-------------------------|------------------------------------|------------|----------|
| 1       | Washer Spring Lock M6   | Rondelle Elast W 6                 | 900051-003 |          |
| 2       | Screw HFHTF M6x16       | Vis Hex Taraudeuse M6x16           | 900708-003 |          |
| 3       | Standard Hose Adapter   | Apdaptateur standard pour flexible | 901531     |          |
| 4       | Adaptor support bracket | Support adapteur                   | 902967     |          |
| 5       | Adaptor 1"F - 3/4"M     | Adapteur F1 x M3/4                 | 902968     |          |
| 6       | Reducer 1"F - 3/4"M     | Reducteur M1 x F3/4                | 902969     |          |



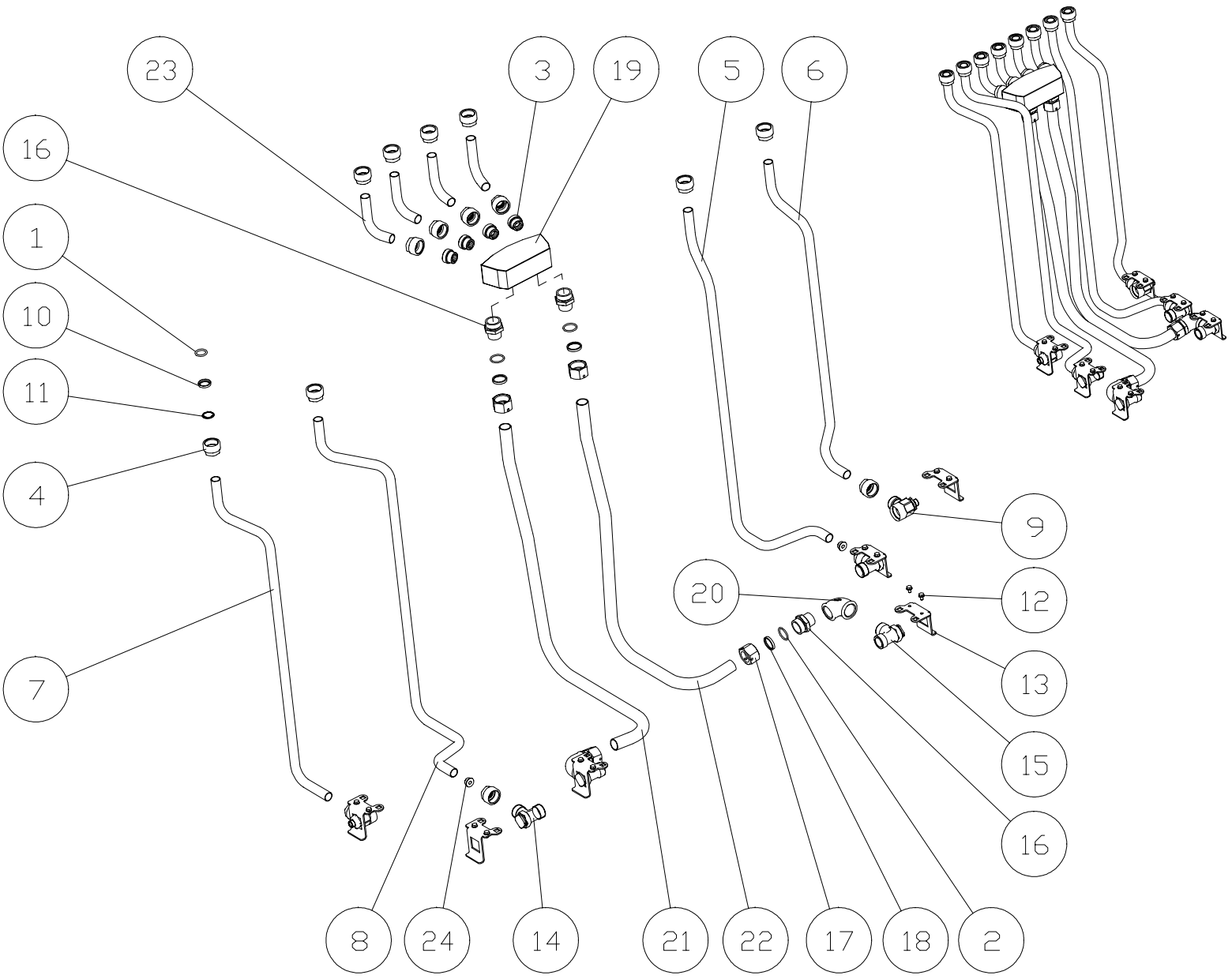
#### 4.16 Valve Box to Hose Assembly (40/80 l/min)

| Item No | Description                     | Désignation Français               | Part No    | Comments |
|---------|---------------------------------|------------------------------------|------------|----------|
| 1       | O-Ring 21.82x3.53               | Joint Torique 21.82x3.53           | 900050-001 |          |
| 2       | Pressure Nut 22mm pipe          | Ecrou (pression) 22mm tube         | 900417     |          |
| 3       | Pipe 2 after valvebox 2A        | Tube 2 après cage soupape 2A       | 900424     |          |
| 4       | Pipe 1 after valvebox 1A        | Tube 1 après cage soupape 1A       | 900426     |          |
| 5       | Pipe 5 after valvebox 1B        | Tube 5 après cage soupape 1B       | 900427     |          |
| 6       | Pipe 6 after valvebox 2B        | Tube 6 après cage soupape 2B       | 900428     |          |
| 7       | Pipe 7 after valvebox 3B        | Tube 7 après cage soupape 3B       | 900429     |          |
| 8       | Pipe 8 after valvebox 4B        | Tube 8 après cage soupape 4B       | 900430     |          |
| 9       | Pipe 4 after valvebox 4A        | Tube 4 après cage soupape 4A       | 900431     |          |
| 10      | Pipe 3 after valvebox 3A        | Tube 3 après cage soupape 3A       | 900432     |          |
| 11      | VR Adapter G1" (Coax)           | Adaptateur RV G1" (coax)           | 900513     |          |
| 12      | Pressure Ring                   | Bague De Pression                  | 900523     |          |
| 13      | Fixing Spring Ring 22mm         | Bague De Pression 22mm             | 900525     |          |
| 14      | Screw HFHTF M6x10               | Vis Hex Taraudeuse M6x10           | 900708-001 |          |
| 15      | Roller/Adapter combined bracket | Support Combiné Rouleau/Adaptateur | 901528     |          |
| 16      | Standard Hose Adapter           | Adaptateur standard pour flexible  | 901531     |          |



**4.17 Valve Box to Hose Assembly VHS 2-4 (130 l/min + 40 l/min)**

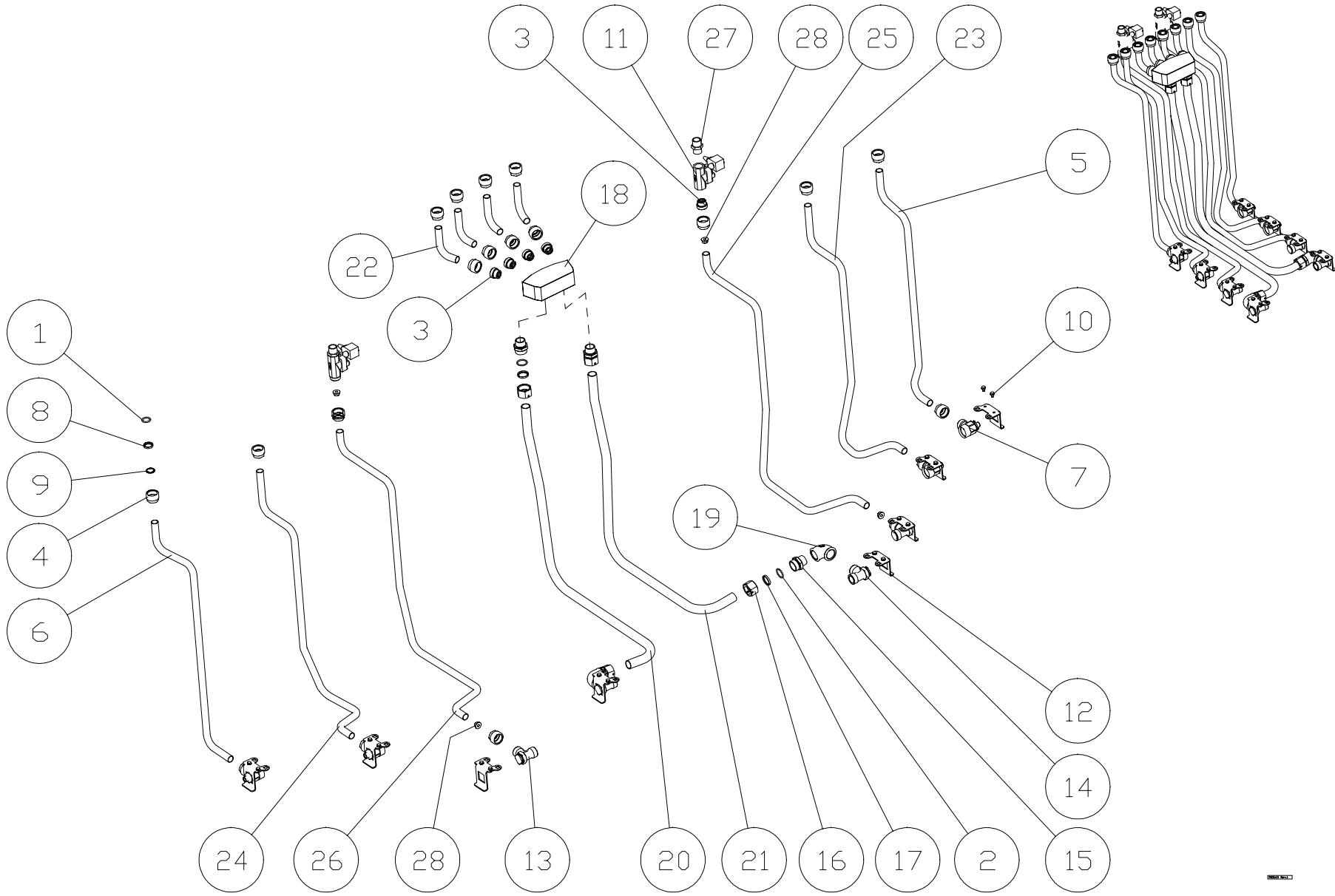
| Item No | Description                     | Désignation Français                  | Part No    | Comments |
|---------|---------------------------------|---------------------------------------|------------|----------|
| 1       | O-Ring 21.82x3.53               | Joint Torique 21.82x3.53              | 900050-001 |          |
| 2       | O-Ring 28.00x3.00               | Joint Torique 28.00x3.00              | 900050-032 |          |
| 3       | Nipple 22mm G1"-G3/4"           | Douille 22mm G1                       | 900416     |          |
| 4       | Pressure Nut 22 mm pipe         | Ecrou (pression) 22mm tube            | 900417     |          |
| 5       | VR Adapter G1" (Coax)           | Adaptateur RV G1" (coax)              | 900513     |          |
| 6       | Pressure Ring                   | Bague De Pression                     | 900523     |          |
| 7       | Fixing Spring Ring 22mm         | Bague De Pression 22mm                | 900525     |          |
| 8       | Screw HFHTF M6x10               | Vis Hex Taraudeuse M6x10              | 900708-001 |          |
| 9       | Roller/Adapter combined Bracket | Support Combiné Rouleau/Adaptat       | 901528     |          |
| 10      | Standard Hose Adapter           | Apdaptateur standard pour flexible    | 901531     |          |
| 11      | High speed hose adaptor         | Adaptateur haut vitesse pour flexible | 901611     |          |
| 12      | Nipple 28mm M36x2-R1"           | Douille 28mm M36x2-R1"                | 901767     |          |
| 13      | Pressure Nut 28mm pipe          | Ecrou de pression tube 28mm           | 901770     |          |
| 14      | Pressure Ring 28mm              | Bague de Pression 28mm                | 901771     |          |
| 15      | Pipe 2A 28mm steel 2F2C VHS     | Tube 2A 28mm Acier 2F2C VHS           | 901833     |          |
| 16      | Pipe 2B 28mm steel 2F2C VHS     | Tube 2B 28mm Acier 2F2C VHS           | 901834     |          |
| 17      | VHS Manifold                    | Embranchement pour VHS                | 902045     |          |
| 18      | Elbow 3/4"F-3/4"F galv          | Coude 3/4"F-3/4"F galv                | 902084-002 |          |
| 19      | Manifold-in pipe 1B 22mm        | Tube pour Embranchement 1B 22mm       | 902115     |          |
| 20      | HMS pipe 1A VHS 2F2C            | HMS tube 1A VHS 2F2C                  | 902176     |          |
| 21      | HMS pipe 1B VHS 2F2C            | HMS tube 1B VHS 2F2C                  | 902177     |          |
| 22      | HMS straight pipe VHS 2F2C      | HMS tube droit VHS 2F2C               | 902221     |          |
| 23      | Flow reducing ring dia 8.0mm    | Reducteur debit dia 8.0mm             | 902283     |          |



Issue B

**4.18 Valve Box to Hose Assembly VHS 3-6 (130 l/min + 40 l/min)**

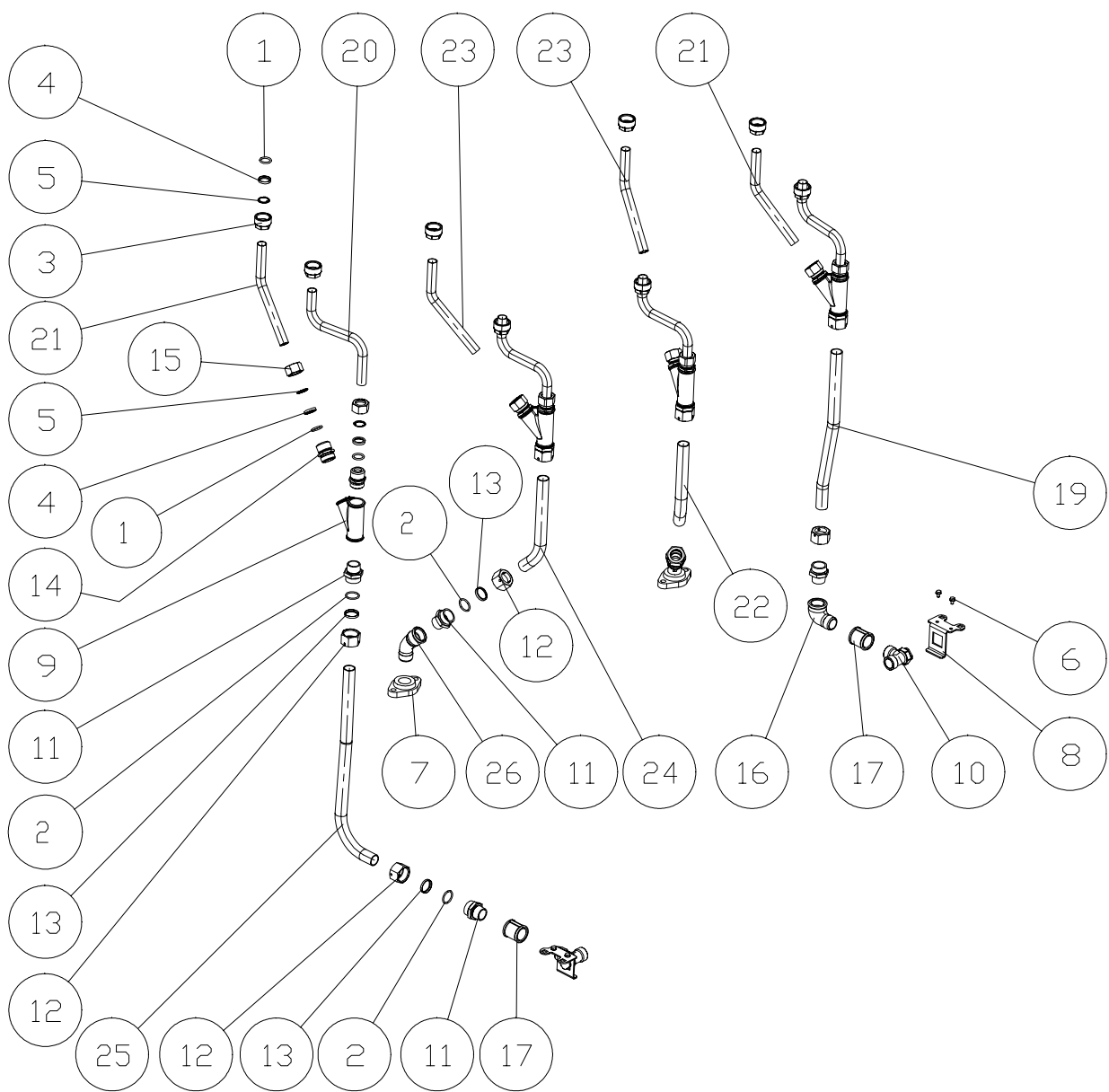
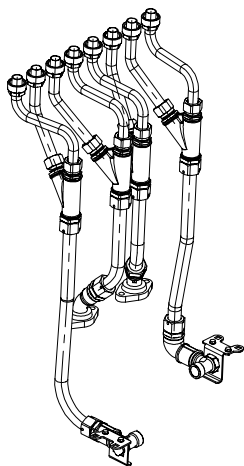
| Item No | Description                     | Désignation Français                  | Part No    | Comments |
|---------|---------------------------------|---------------------------------------|------------|----------|
| 1       | O-Ring 21.82x3.53               | Joint Torique 21.82x3.53              | 900050-001 |          |
| 2       | O-Ring 28.00x3.00               | Joint Torique 28.00x3.00              | 900050-032 |          |
| 3       | Nipple 22mm G1"-G3/4"           | Douille 22mm G1                       | 900416     |          |
| 4       | Pressure Nut 22 mm pipe         | Ecrou (pression) 22mm tube            | 900417     |          |
| 5       | Pipe 2 after valvebox 2A        | Tube 2 après cage soupape 2A          | 900424     |          |
| 6       | Pipe 1 after valvebox 1A        | Tube 1 après cage soupape 1A          | 900426     |          |
| 7       | Pipe 5 after valvebox 1B        | Tube 5 après cage soupape 1B          | 900427     |          |
| 8       | Pipe 6 after valvebox 2B        | Tube 6 après cage soupape 2B          | 900428     |          |
| 9       | VR Adapter G1" (Coax)           | Adaptateur RV G1" (coax)              | 900513     |          |
| 10      | Pressure Ring                   | Bague De Pression                     | 900523     |          |
| 11      | Fixing Spring Ring 22mm         | Bague De Pression 22mm                | 900525     |          |
| 12      | Screw HFHTF M6x10               | Vis Hex Taraudeuse M6x10              | 900708-001 |          |
| 13      | Roller/Adapter combined Bracket | Support Combiné Rouleau/Adaptat       | 901528     |          |
| 14      | Standard Hose Adapter           | Apdaptateur standard pour flexible    | 901531     |          |
| 15      | High speed hose adaptor         | Adaptateur haut vitesse pour flexible | 901611     |          |
| 16      | Nipple 28mm M36x2-R1"           | Douille 28mm M36x2-R1"                | 901767     |          |
| 17      | Pressure Nut 28mm pipe          | Ecrou de pression tube 28mm           | 901770     |          |
| 18      | Pressure Ring 28mm              | Bague de Pression 28mm                | 901771     |          |
| 19      | VHS Manifold                    | Embranchement pour VHS                | 902045     |          |
| 20      | Elbow 3/4"F-3/4"F galv          | Coude 3/4"F-3/4"F galv                | 902084-002 |          |
| 21      | Pipe 3B 28mm steel 3F3C VHS     | Tube 3B 28mm Acier 3F3C VHS           | 902111     |          |
| 22      | Pipe 3A 28mm steel 3F3C VHS     | Tube 3A 28mm Acier 3F3C VHS           | 902112     |          |
| 23      | Manifold-in pipe 1B 22mm        | Tube pour Embranchement 1B 22m        | 902115     |          |
| 24      | Flow reducing ring dia 8.0mm    | Reducteur debit dia 8.0mm             | 902283     |          |



Issue B

**4.19 Valve Box to Hose Assembly VHS 4-8 (130 l/min + 40 l/min)**

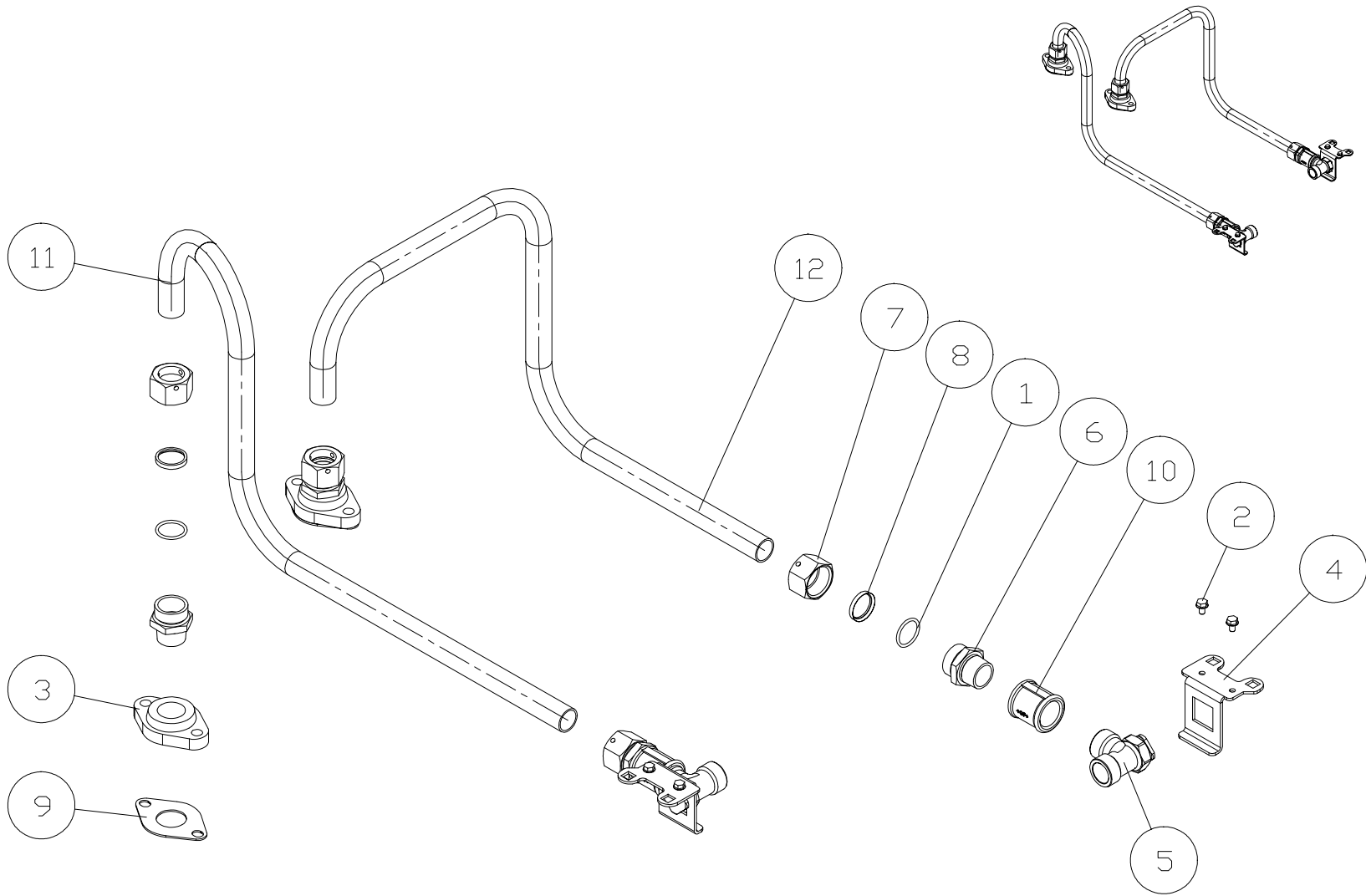
| Item No | Description                     | Désignation Français                  | Part No    | Comments |
|---------|---------------------------------|---------------------------------------|------------|----------|
| 1       | O-Ring 21.82x3.53               | Joint Torique 21.82x3.53              | 900050-001 |          |
| 2       | O-Ring 28.00x3.00               | Joint Torique 28.00x3.00              | 900050-032 |          |
| 3       | Nipple 22mm G1"-G3/4"           | Douille 22mm G1                       | 900416     |          |
| 4       | Pressure Nut 22 mm pipe         | Ecrou (pression) 22mm tube            | 900417     |          |
| 5       | Pipe 1 after valvebox 1A        | Tube 1 après cage soupape 1A          | 900426     |          |
| 6       | Pipe 5 after valvebox 1B        | Tube 5 après cage soupape 1B          | 900427     |          |
| 7       | VR Adapter G1" (Coax)           | Adaptateur RV G1" (coax)              | 900513     |          |
| 8       | Pressure Ring                   | Bague De Pression                     | 900523     |          |
| 9       | Fixing Spring Ring 22mm         | Bague De Pression 22mm                | 900525     |          |
| 10      | Screw HFHTF M6x10               | Vis Hex Taraudeuse M6x10              | 900708-001 |          |
| 11      | Standard valve 3/4 inch inline  | Soupape 3/4" défaut                   | 900919     |          |
| 12      | Roller/Adapter combined Bracket | Support Combiné Rouleau/Adaptat       | 901528     |          |
| 13      | Standard Hose Adapter           | Apdaptateur standard pour flexible    | 901531     |          |
| 14      | High speed hose adaptor         | Adaptateur haut vitesse pour flexible | 901611     |          |
| 15      | Nipple 28mm M36x2-R1"           | Douille 28mm M36x2-R1"                | 901767     |          |
| 16      | Pressure Nut 28mm pipe          | Ecrou de pression tube 28mm           | 901770     |          |
| 17      | Pressure Ring 28mm              | Bague de Pression 28mm                | 901771     |          |
| 18      | VHS Manifold                    | Embranchement pour VHS                | 902045     |          |
| 19      | Elbow 1"F-1"F galv              | Coude 1"F-1"F galv                    | 902084-002 |          |
| 20      | Pipe 4B 28mm steel 4F4C VHS     | Tube 4B 28mm Acier 4F4C VHS           | 902113     |          |
| 21      | Pipe 4A 28mm steel 2F2C VHS     | Tube 4A 28mm Acier 4F4C VHS           | 902114     |          |
| 22      | Manifold-in pipe 1B 22mm        | Tube pour Embranchement 1B 22mm       | 902115     |          |
| 23      | HMS extra pipe 2A 4F4C VHS      | HMS extra tube 2A 4F4C VHS            | 902204     |          |
| 24      | HMS extra pipe 2B 4F4C VHS      | HMS extra tube 2B 4F4C VHS            | 902205     |          |
| 25      | HMS pipe 5A VHS 4F4C            | HMS tube 5A VHS 4F4C                  | 902210     |          |
| 26      | HMS pipe 5B VHS 4F4C            | HMS tube 5B VHS 4F4C                  | 902211     |          |
| 27      | R3/4" x R3/4" Nipple            | Machon R3/4" x R3/4"                  | 902212-001 |          |
| 28      | Flow reducing ring dia 8.0mm    | Reducteur debit dia 8.0mm             | 902283     |          |



Issue B

**4.20 Valve Box to Hose Assembly VHSM (Master)**

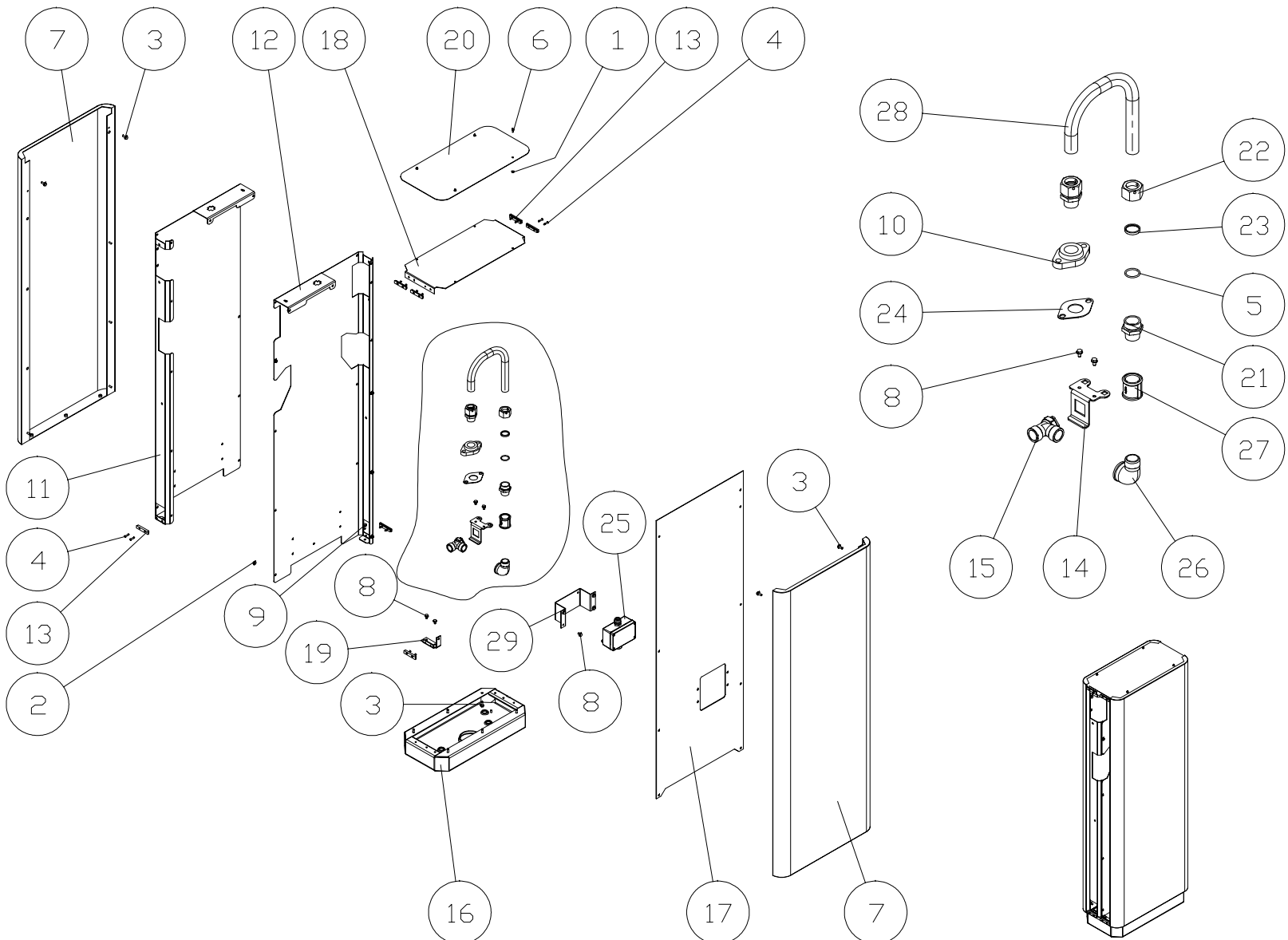
| Item No | Description                     | Désignation Français                  | Part No    | Comments |
|---------|---------------------------------|---------------------------------------|------------|----------|
| 1       | O-Ring 21.82x3.53               | Joint Torique 21.82x3.53              | 900050-001 |          |
| 2       | O-ring 28.00x3.00               | Joint Torique 28.00x3.00              | 900050-032 |          |
| 3       | Pressure Nut 22mm pipe          | Ecrou (pression) 22mm tube            | 900417     |          |
| 4       | Pressure Ring                   | Bague De Pression                     | 900523     |          |
| 5       | Fixing Spring Ring 22mm         | Bague De Pression 22mm                | 900525     |          |
| 6       | Screw HFHTF M6x10               | Vis Hex Taraudeuse M6x10              | 900708-001 |          |
| 7       | Flange 1" 78mm                  | Bride 1" 78mm                         | 901320-001 |          |
| 8       | Roller/Adapter combined Bracket | Support Combiné Rouleau/Adaptat       | 901528     |          |
| 9       | T45° egal piece 1"              | Té45° égale pièce 1"                  | 901610-001 |          |
| 10      | High speed hose adaptor         | Adaptateur haut vitesse pour flexible | 901611     |          |
| 11      | Nipple 28mm M36x2-R1"           | Douille 28mm M36x2-R1"                | 901767     |          |
| 12      | Pressure Nut 28mm pipe          | Ecrou de pression tube 28mm           | 901770     |          |
| 13      | Pressure Ring 28mm              | Bague de Pression 28mm                | 901771     |          |
| 14      | Nipple 22mm G1"-G1"             | Douille 22 mm G1"-G1"                 | 901772     |          |
| 15      | Pressure Nut 22 mm Brass        | Ecrou Pression 22mm Laiton            | 901858     |          |
| 16      | Elbow 1" M F                    | Coude 1" M F                          | 901866-001 |          |
| 17      | Socket 1"                       | Manchon 1"                            | 901867-001 |          |
| 18      | Q500T Curve Assy 1 master       | Q500T Curve Ass                       | 902032     |          |
| 19      | Pipe A1 28mm MASTER after split | Tube A1 apres embr double             | 902049     |          |
| 20      | Pipe A1/B1 22mm MASTER          | Tube A1/B1 22mm MASTER                | 902050     |          |
| 21      | Pipe A2/B2 22mm MASTER          | Tube A2/B2 22mm MASTER                | 902051     |          |
| 22      | Pipe A2 28mm MASTER after split | Tube A2 apres embr double             | 902052     |          |
| 23      | Pipe A3/B3 22mm MASTER          | Tube A3/B3 22mm MASTER                | 902053     |          |
| 24      | Pipe B2 28mm MASTER after split | Tube B2 apres embr double             | 902055     |          |
| 25      | Pipe B1 28mm MASTER after split | Tube B1 apres embr double             | 902058     |          |
| 26      | 1" Elbow 45 ang M-F             | 1" Courbe 45 ang M-F                  | 902110-001 |          |



Issue B

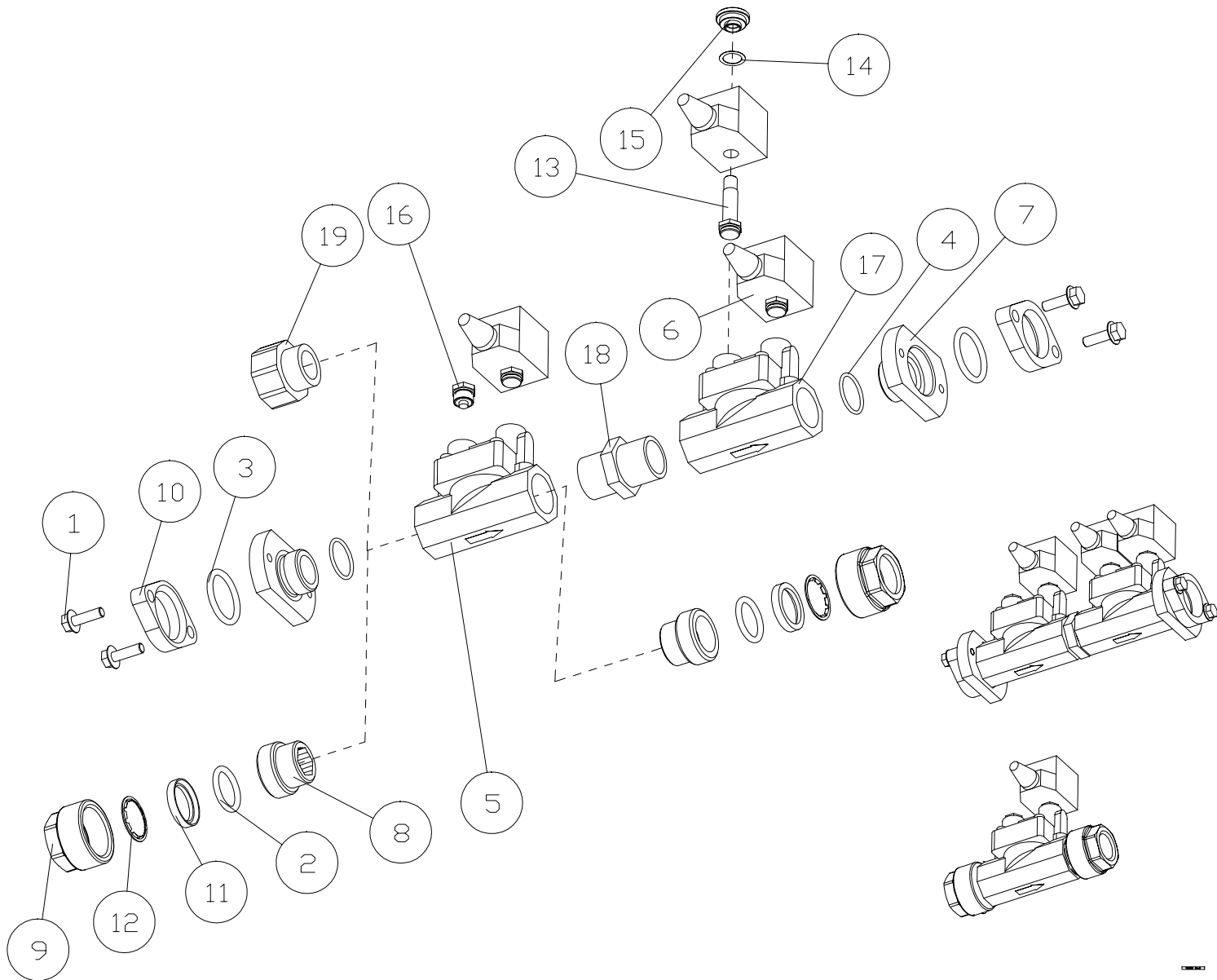
**4.21 Inlet to Hose Assembly (Satellite)**

| Item No | Description                     | Désignation Français                  | Part No    | Comments |
|---------|---------------------------------|---------------------------------------|------------|----------|
| 1       | O-ring 28.00x3.00               | Joint Torique 28.00x3.00              | 900050-032 |          |
| 2       | Screw HFHTF M6x10               | Vis Hex Taraudeuse M6x10              | 900708-001 |          |
| 3       | Flange 1" 78mm                  | Bride 1" 78mm                         | 901320-001 |          |
| 4       | Roller/Adapter combined Bracket | Support Combiné Rouleau/Adaptat       | 901528     |          |
| 5       | High speed hose adaptor         | Adaptateur haut vitesse pour flexible | 901611     |          |
| 6       | Nipple 28mm M36x2-R1"           | Douille 28mm M36x2-R1"                | 901767     |          |
| 7       | Pressure Nut 28mm pipe          | Ecrou de pression tube 28mm           | 901770     |          |
| 8       | Pressure Ring 28mm              | Bague de Pression 28mm                | 901771     |          |
| 9       | Gasket - Flange 78-82           | Joint de bride 78-82                  | 901859     |          |
| 10      | Socket 1"                       | Manchon 1"                            | 901867-001 |          |
| 11      | Pipe 28mm SAT Left              | Tube 28mm SAT Gauche                  | 901993     |          |
| 12      | Pipe 28mm SAT Right             | Tube 28mm SAT Droite                  | 901994     |          |



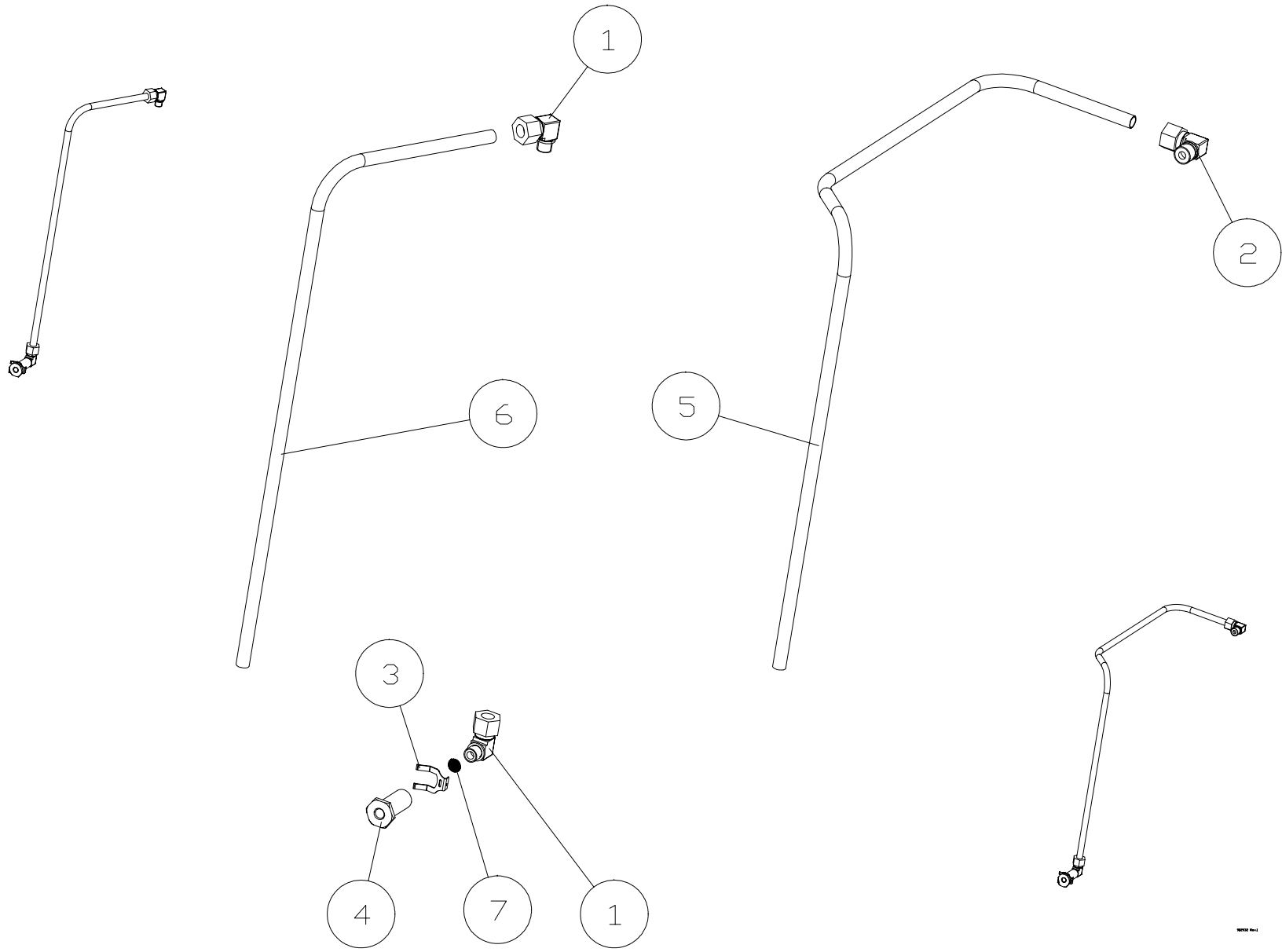
**4.22 Mini-Sat Assembly**

| Item No | Description                           | Désignation Français                      | Part No    | Comments |
|---------|---------------------------------------|-------------------------------------------|------------|----------|
| 1       | Nut Hex Self Lock M4                  | Ecrou Bride Autobloquant M4               | 900013-001 |          |
| 2       | Nut Hex Self Lock M6                  | Ecrou Bride Autobloquant M6               | 900013-003 |          |
| 3       | Screw HFHSL M6x16                     | Vis Hex Br Autobl M6x16                   | 900016-004 |          |
| 4       | Rivet Blind Stainless steel 4.0x16    | Rivet aveugle inox 4.0x16.0               | 900025-003 |          |
| 5       | O-ring 28.00x3.00                     | Joint Torique 28.00x3.00                  | 900050-032 |          |
| 6       | Screw Torx Thr Form BH M4x10          | Vis Torx AutoF TCBL Tril M4x10            | 900053-001 |          |
| 7       | End Column MSAT Q500T                 | Colonne de fin MSAT Q500T                 | 904344     |          |
| 8       | Screw HFHTF M6x10                     | Vis Hex Taraudeuse M6x10                  | 900708-001 |          |
| 9       | Screw HFHTF M6x16                     | Vis Hex Taraudeuse M6x16                  | 900708-003 |          |
| 10      | Flange 1" 78mm                        | Bride 1" 78mm                             | 901320-001 |          |
| 11      | HMS Structural Frame Left             | HMS Cadre Gauche                          | 901494     |          |
| 12      | HMS Structural Frame Right            | HMS Cadre Droit                           | 901495     |          |
| 13      | Connection block nozzle panel         | Connecteur pour Pann Habil                | 901527     |          |
| 14      | Roller/Adapter combined Bracket       | Support Combiné Rouleau/Adaptat           | 901528     |          |
| 15      | High speed hose adaptor               | Adaptateur haut vitesse pour flexib       | 901611     |          |
| 16      | Q500T Driptray MSAT                   | Récupération égoutture MSAT               | 901653     |          |
| 17      | Fire Barrier Q500T MSAT               | Ecran leu Q500T MSAT                      | 901706     |          |
| 18      | Vapour Barrier top plate              | Ecran lue top plaque                      | 901717     |          |
| 19      | Bracket FB                            | FB support                                | 901719     |          |
| 20      | Top plate                             | Top plaque                                | 901722     |          |
| 21      | Nipple 28mm M36x2-R1"                 | Douille 28mm M36x2-R1"                    | 901767     |          |
| 22      | Pressure Nut 28mm pipe                | Ecrou de pression tube 28mm               | 901770     |          |
| 23      | Pressure Ring 28mm                    | Bague de Pression 28mm                    | 901771     |          |
| 24      | Gasket - flange 78-82                 | Joint de bride 78-82                      | 901859     |          |
| 25      | Bernstein Junction box assy satellite | Bernstein Boitier de connection satellite | 901863     |          |
| 26      | Elbow 1" M_F                          | Coude 1" M_F                              | 901866-001 |          |
| 27      | Socket 1"                             | Manchon 1"                                | 901867-001 |          |
| 28      | Pipe 28mm MSAT                        | Tube 28mm MSAT                            | 901978     |          |
| 29      | Bernstein Box Bracket                 | Bernstein boite support                   | 902010     |          |



## 4.23 Valve & Fittings Assembly

| Item No | Description                     | Désignation Français           | Part No    | Comments                  |
|---------|---------------------------------|--------------------------------|------------|---------------------------|
| 1       | Screw HFHSL M6x20               | Vis Hex Br Autobl M6x20        | 900016-013 |                           |
| 2       | O-Ring 21.82x3.53               | Joint Torique 21.82x3.53       | 900050-001 | Q500T only                |
| 3       | O-Ring 27.80x3.60               | Joint Torique 27.80x3.60       | 900050-016 |                           |
| 4       | O-ring 22.00x2.00               | Joint Torique 22.00x2.00       | 900050-030 |                           |
| 5       | Piston Valve 3/4" (Dnom = 17mm) | Soupape 3/4" (Dnom=17mm)       | 900080     |                           |
| 6       | COIL 24V EEx m II T4 Fuse       | Bobine 24V EEx m II T4 fusible | 900082     |                           |
| 7       | Flange adaptor G3/4-pipe Ø28    | Bride adaptation G3/4-tube Ø28 | 900315     |                           |
| 8       | Nipple 22mm G1"-G3/4"           | Douille 22mm G1                | 900416     | Q500T only                |
| 9       | Pressure Nut 22mm pipe          | Ecrou (pression) 22mm tube     | 900417     | Q500T only                |
| 10      | Flange - oval D28               | Bride ovale D28                | 900475     |                           |
| 11      | Pressure Ring                   | Bague De Pression              | 900523     | Q500T only                |
| 12      | Fixing Spring Ring 22mm         | Bague De Pression 22mm         | 900525     | Q500T only                |
| 13      | Plungerhouse + plunger          | Plongeur complete              | 900723     |                           |
| 14      | Spring for plunger              | Ressort de plongeur            | 900724     |                           |
| 15      | Nut for plunger                 | Ecrou pour plongeur            | 900725     |                           |
| 16      | Stop+seal inline valve          | Bouchon soupape                | 900726     |                           |
| 17      | Piston valve 3/4" drilled       | Soupape 3/4" foré              | 900788     |                           |
| 18      | R3/4" x R3/4" Nipple            | Machon R3/4" x R3/4"           | 902212-001 |                           |
| 19      | Adaptor 1" F - 3/4" M           | Adaptata F1 x M3/4             | 902968     | Q500T only - 40/80 option |



Issue A

**4.24 Air Vent Pipe Assembly**

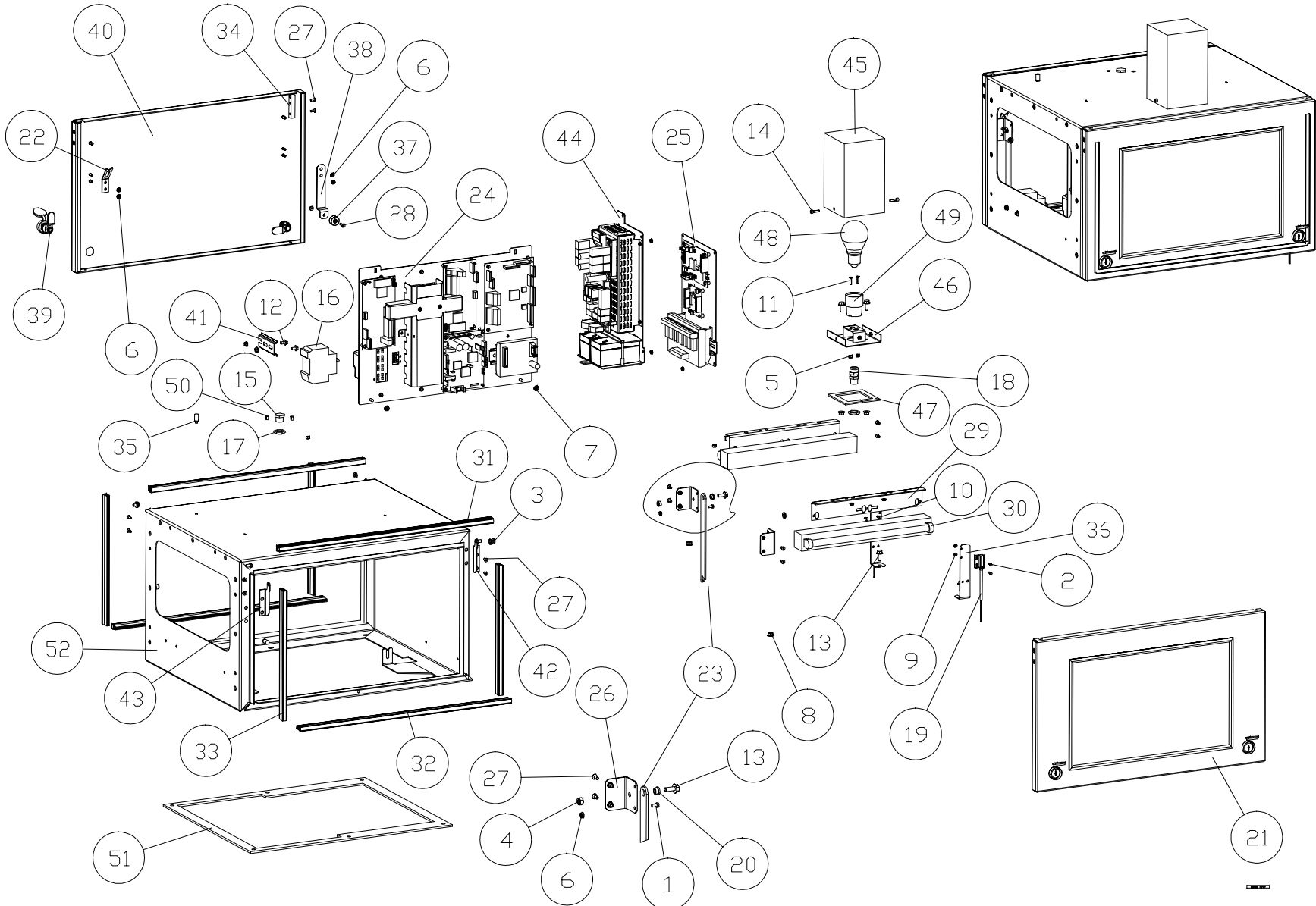
| Item No | Description                | Désignation Français           | Part No    | Comments |
|---------|----------------------------|--------------------------------|------------|----------|
| 1       | Elbow Compr 1/4" BSPM 12mm | EQ-PIQ-M12-1/4                 | 900031-001 |          |
| 2       | Elbow Compr 3/8" BSPM 12mm | EQ-PIQ-M12-3/8                 | 900031-002 |          |
| 3       | Steel Horseshoe Clip       | Fixation H/Shoe acier          | 900057     |          |
| 4       | Vent outlet                | Mise à l'atmosphère            | 901724     |          |
| 5       | Pipe - air vent PAS V3     | Tube mise en atmosphère PAS V3 | 902346     | PAS V3   |
| 6       | Pipe - air vent EPZ        | Tube mise en atmosphère EPZ    | 902347     | EPZ      |
| 7       | Gauze - Flame arrestor     | Grillage Pare Flamme           | 902358     |          |

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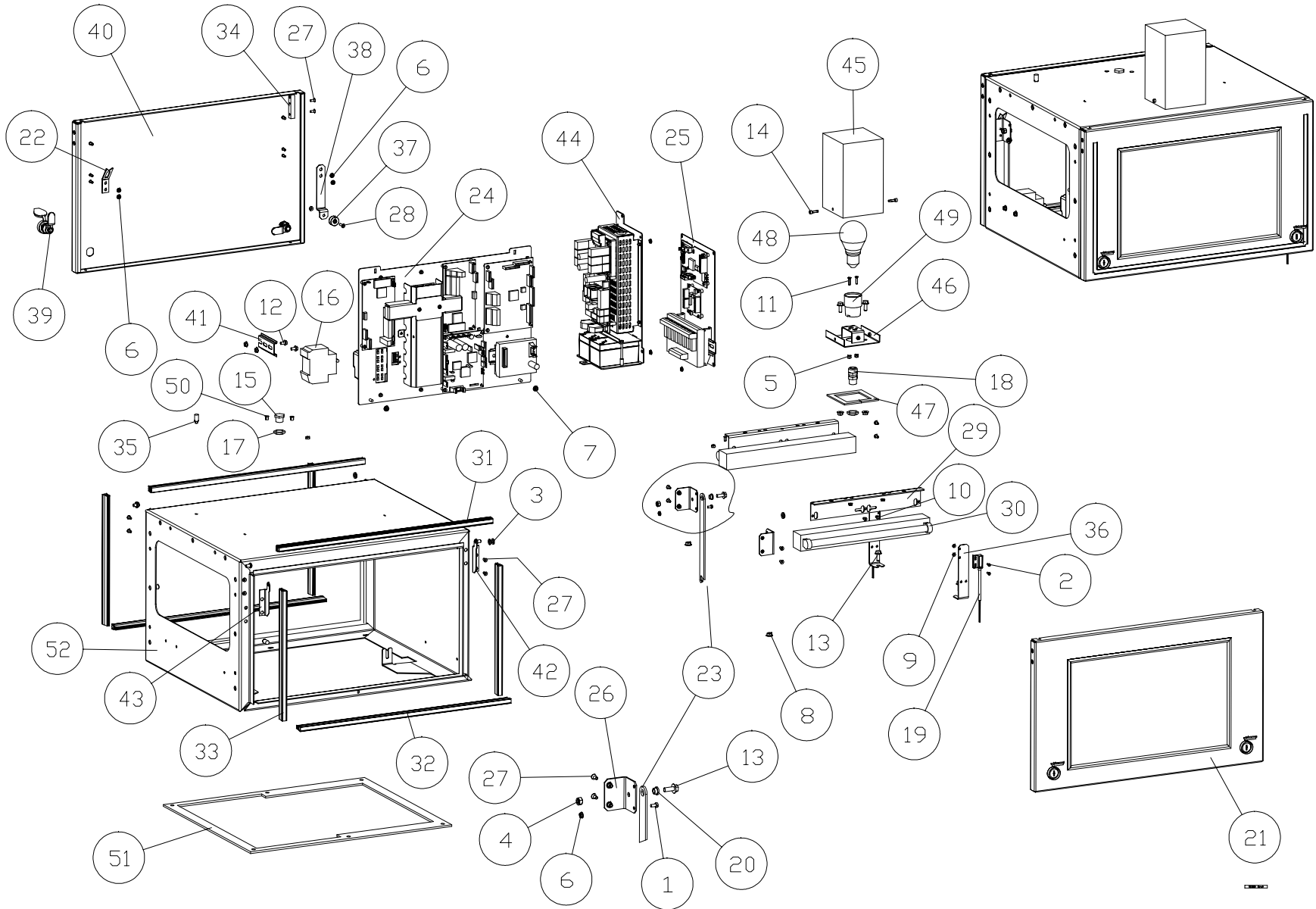
|          |                                                    |            |
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## 5.1 Calculator Head Assembly

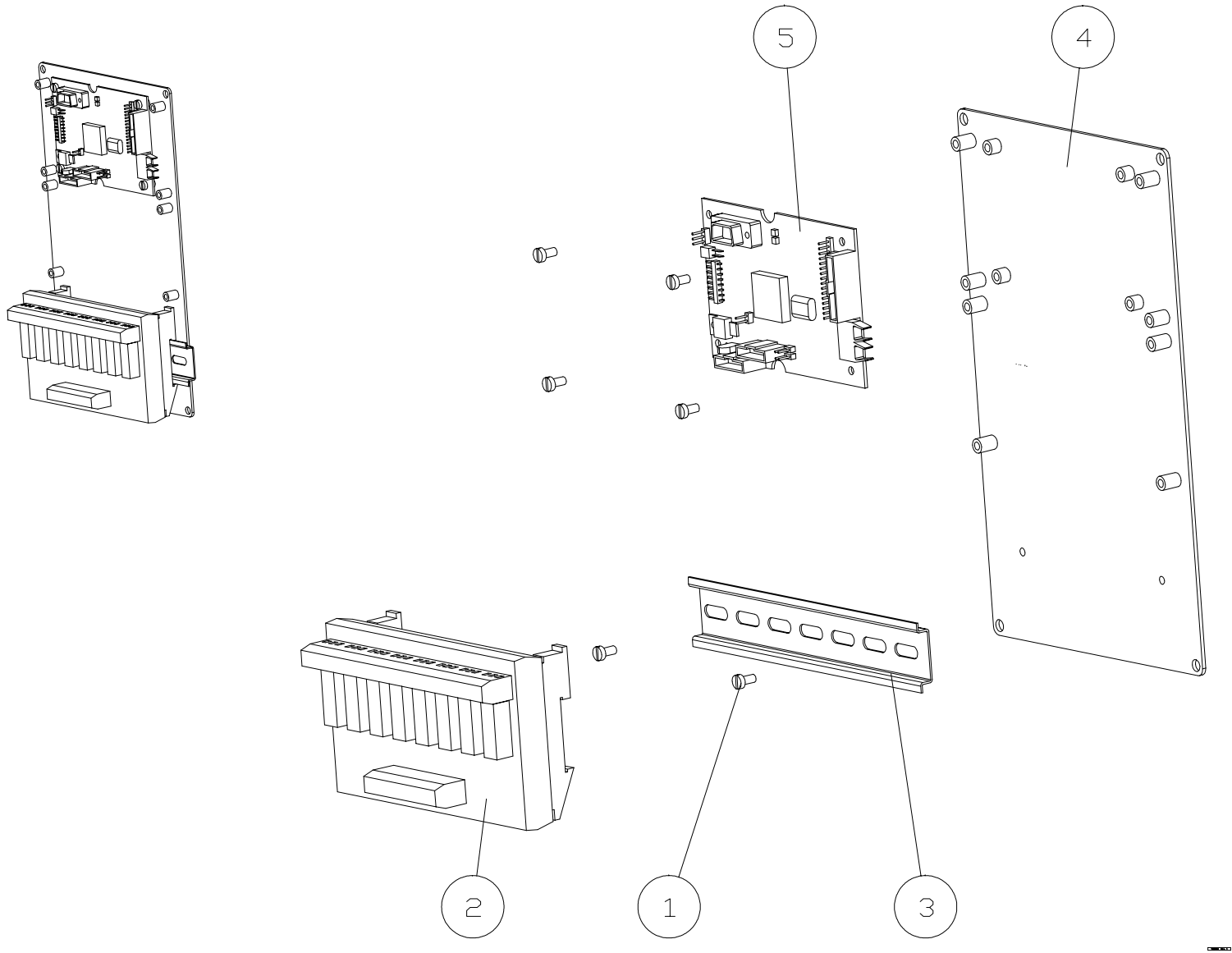
| Item No | Description                           | Désignation Français                   | Part No    | Comments                          |
|---------|---------------------------------------|----------------------------------------|------------|-----------------------------------|
| 1       | Screw SCH M4x8                        | Vis CS M4x8                            | 900007-003 |                                   |
| 2       | Screw SCH M3x8                        | Vis CS M3x8                            | 900007-008 |                                   |
| 3       | Washer PI M6                          | Rondelle PI M6                         | 900008-002 |                                   |
| 4       | Nut Hex Prev Torque M6                | Ecrou Frein M6                         | 900012-003 |                                   |
| 5       | Nut Hex Prev Torque M4                | Ecrou Frein M4                         | 900012-004 |                                   |
| 6       | Nut Hex Self Lock M4                  | Ecrou Bride Autobloquant M4            | 900013-001 |                                   |
| 7       | Nut Hex Self Lock M5                  | Ecrou Bride Autobloquant M5            | 900013-002 |                                   |
| 8       | Nut Hex Self Lock M6                  | Ecrou Bride Autobloquant M6            | 900013-003 |                                   |
| 9       | Nut Hex Self Lock M3                  | Ecrou Bride Autobloquant M3            | 900013-006 |                                   |
| 10      | Screw SCS M4x8                        | Vis FS M4x8                            | 900014-006 |                                   |
| 11      | Screw SCS M4x16                       | Vis FS M4x16                           | 900014-007 |                                   |
| 12      | Screw HFHSL M5x10                     | Vis Hex Br Autobl M5x10                | 900016-001 |                                   |
| 13      | Screw HFHSL M6x16                     | Vis Hex Br Autobl M6x16                | 900016-004 |                                   |
| 14      | Screw HSHC M4x16                      | Vis CHC M4x16                          | 900017-014 |                                   |
| 15      | Vent Plug M16 x 1.5 EEXE/IP66         | Bouchon d'event PG M16 x 1.5 EEXE/IP66 | 900044-004 |                                   |
| 16      | Main Switch 380V/32A                  | Int Princ 380V/32A                     | 900074     |                                   |
| 17      | Nut Hex M16 x 1.5                     | Ecrou Hex M16 x 1.5                    | 900088-004 |                                   |
| 18      | Gland M16x1.5 Eexell/IP66-68 1x 5-8mm | PE M16X1.5 Eexell/IP66-68 1x 5-8mm     | 900362-001 |                                   |
| 19      | Magnetic Proximity Switch             | Contact magnetiq de proximité          | 900387-001 |                                   |
| 20      | Bearing 6x9x6                         | Coussinet 6x9x6                        | 900497-001 |                                   |
| 21      | Calc Door Assembly Q500T LCD          | Portillon Q500T LCD                    | -          | Refer to LCD Door Display drawing |
|         | Calc Door Assembly Q500T FP           | Portillon Q500T FP                     | -          | Refer to FP Door Display drawing  |
| 22      | Stay Tab Calc Door Q500T              | Fiche arret porte Calc                 | 900577     |                                   |
| 23      | Stay Arm Calc Door Q500T              | Bras arret porte Calc Q500T            | 900578     |                                   |
| 24      | WWC CP Assembly Gen                   | WWC CP Assemblee Gen                   | 900603     |                                   |
| 25      | WWC Option Bracket Assembly           | WWC Option Encadre assemblée           | -          | Refer to Option Bracket drawing   |
| 26      | Stay Brkt Assy Q500T                  | Arret Supp Asm Q500T                   | 900608     |                                   |

(Cont.)



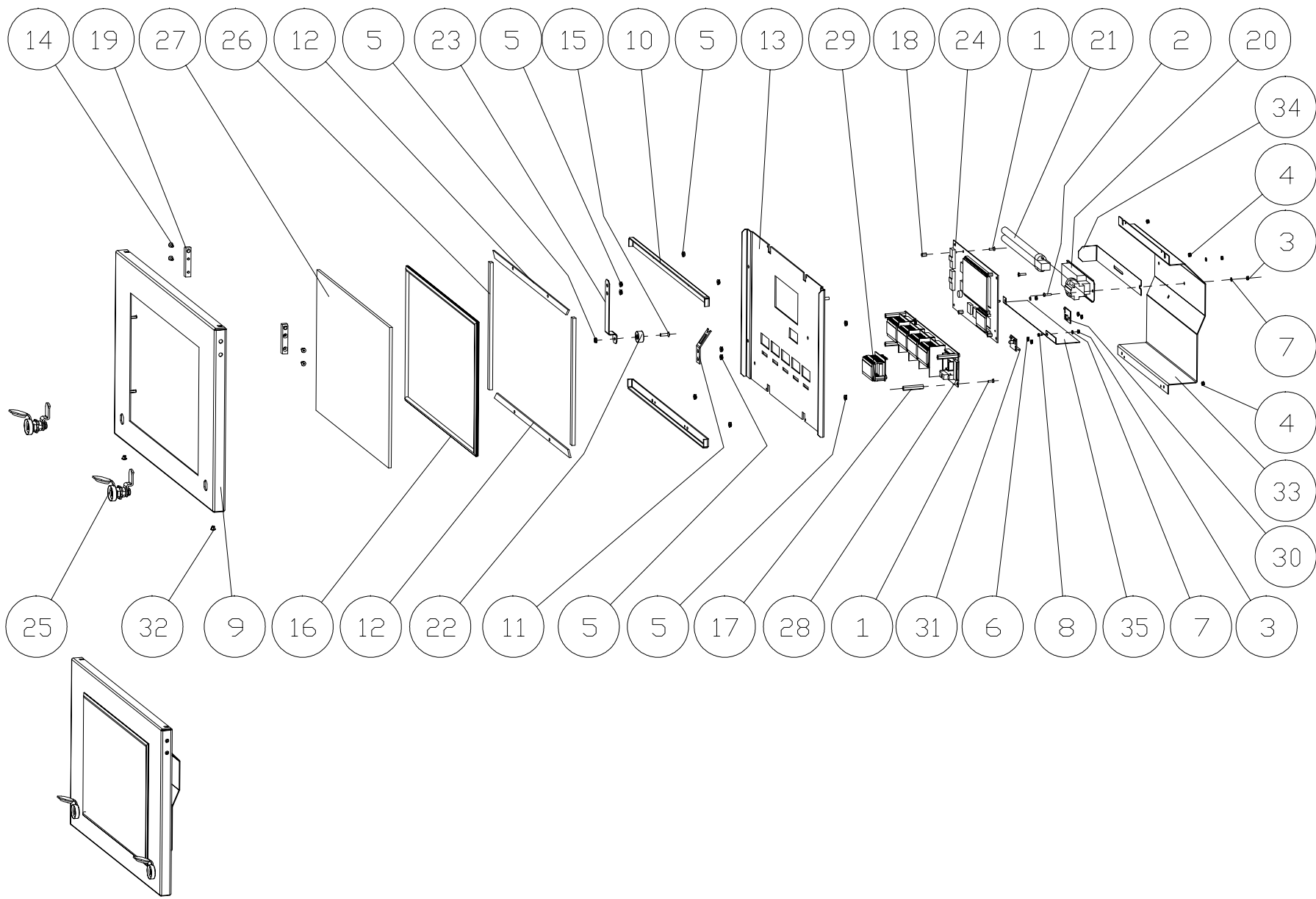
## 5.1 Calculator Head Assembly (Cont.)

| Item No | Description                     | Désignation Français            | Part No    | Comments                 |
|---------|---------------------------------|---------------------------------|------------|--------------------------|
| 27      | Screw HSC M4x10                 | Vis FHC M4x10                   | 900643-002 |                          |
| 28      | Screw HSC M4x16                 | Vis FHC M4x16                   | 900643-003 |                          |
| 29      | Lamp holder FE                  | D etendeur de lampe FE          | 900665     | FP Display only          |
| 30      | Tube Light Assembly Q500T       | Tube éclairage asm Q500T        | 900666-001 | FP Display only          |
| 31      | Rubberseal calc top             | Joint tube EMKA 1011-06         | 900729-002 |                          |
| 32      | Rubberseal calc bottom/side     | Joint tube EMKA 1011-05         | 900730-003 |                          |
| 33      | Rubberseal calc bottom/side     | Joint tube EMKA 1011-05         | 900730-004 |                          |
| 34      | Hingebar brass                  | Gond porte colonne              | 900733     |                          |
| 35      | Silencer                        | Amortisseur Du Son              | 900748     |                          |
| 36      | Bracket - Prog Reed Switch      | Support Contect Inter Prog      | 900756     |                          |
| 37      | Magnet 20x4.4x10                | Aimant 20x4.4x10                | 900757-001 |                          |
| 38      | Bracket - Prog Switch Magnet    | Support Aimant Inter Prog       | 900759     |                          |
| 39      | Assembly Lock Hydr Door         | Asm Serrure Porte Hydr          | -          | Refer to Lock drawing    |
| 40      | Calc door blind weld assy Q500T | Portillion avengule soudé Q500T | 901345     |                          |
| 41      | Rail TS 35 L = 75               | Rail TS 35 L = 75               | 901432-001 |                          |
| 42      | Hinge bracket A1/B2 assy Q5     | Equerre A1/B2 asm Q5            | 901620     |                          |
| 43      | Hinge bracket A2/B1 assy Q5     | Equerre A2/B1 asm Q5            | 901621     |                          |
| 44      | DIT Power Supply Unit Assembly  | DIT PSU assemblée               | -          | Refer to DIT PSU drawing |
| 45      | OPT lamp cover                  | OPT abot jour                   | 902307     |                          |
| 46      | OPT lamp base                   | OPT garniture                   | 902308     |                          |
| 47      | OPT lampseal                    | OPT etancheteite                | 902309     |                          |
| 48      | Lamp                            | Lampe                           | 902312-001 |                          |
| 49      | E27 lampfitting                 | E27-garniture                   | 902313-001 |                          |
| 50      | Plug Heyco D6.5                 | Bouchon Heyco D6.5              | 902330-002 |                          |
| 51      | Gasket Calc/DIT                 | Joint Tete/DIT                  | 903459     |                          |
| 52      | Calc Box Weld Assy OPT          | Base Boitier Calc Soudé OPT     | 904108     |                          |
|         | Calc Box Weld Assy Q500T        | Base Boitier Calc. Soudé Q500T  | 904107     |                          |



## 5.2 Options Board Assembly

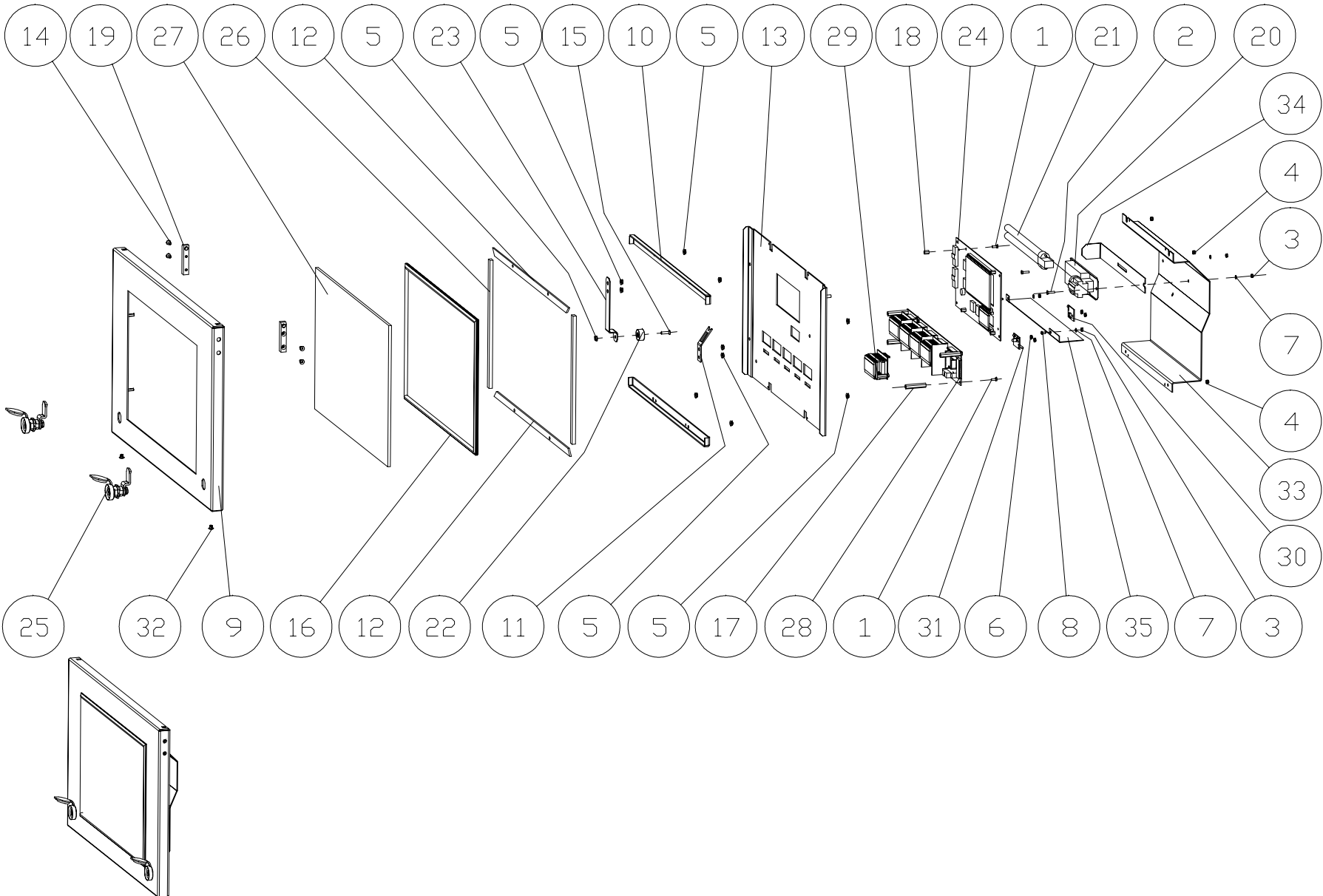
| Item No | Description                | Désignation Français                      | Part No    | Comments |
|---------|----------------------------|-------------------------------------------|------------|----------|
| 1       | Screw SCH M4x8             | Vis CS M4x8                               | 900007-003 |          |
| 2       | Relayboard 8xRelay 24VDC   | Relayboard 8xRelay 24VDC                  | 900077     |          |
| 3       | Rail TS 35 I=180           | Rail de bornier TS 35 I=180               | 901432-002 |          |
| 4       | WWC Option Bracket         | WWC Option Encadre                        | 901491     |          |
| 5       | User Access Module IR Only | Utilisateur Accede le Module IR Seulement | 901565     |          |



### 5.3 Door Assembly [LCD Display]

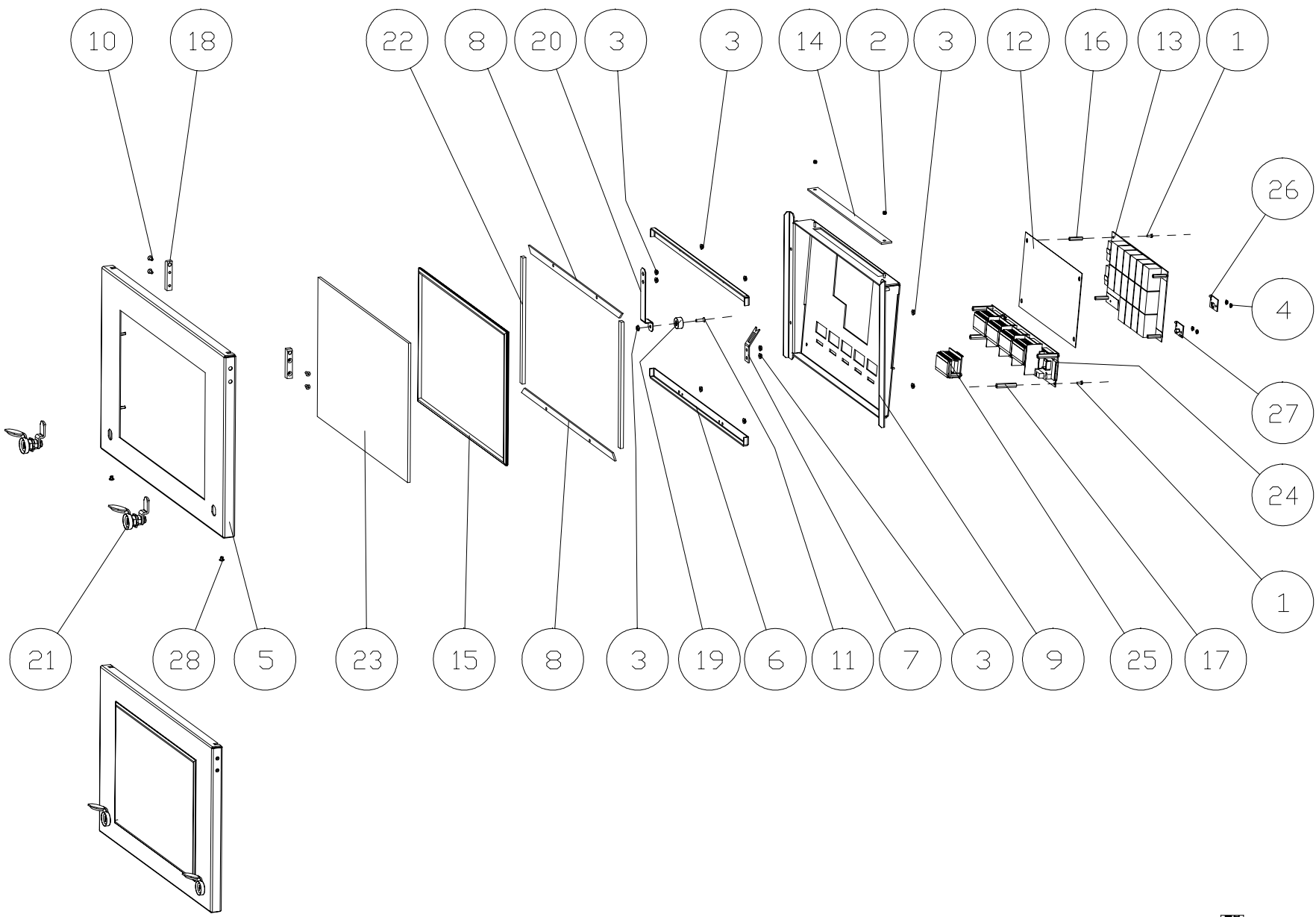
| Item No | Description                    | Désignation Français           | Part No    | Comments              |
|---------|--------------------------------|--------------------------------|------------|-----------------------|
| 1       | Screw SCH M3x8                 | Vis CS M3x8                    | 900007-008 |                       |
| 2       | Screw SCH M3x12                | Vis CS M3x12                   | 900007-010 |                       |
| 3       | Nut Hex M3                     | Ecrou H M3                     | 900011-008 |                       |
| 4       | Nut Hex Prev Torque M3         | Ecrou Frein M3                 | 900012-001 |                       |
| 5       | Nut Hex Self Lock M4           | Ecrou Bride Autobloquant M4    | 900013-001 |                       |
| 6       | Nut Hex Self Lock M3           | Ecrou Bride Autobloquant M3    | 900013-006 |                       |
| 7       | Washer Spring Lock M3          | Rondelle Elast W 3             | 900051-002 |                       |
| 8       | Screw CRRCHTF M3x6             | Autotara Cyl Bomb Emp Cru M3x6 | 900078-001 |                       |
| 9       | Calc Door Weld Assy Q500T      | Portillon soudé Q500T          | 900571     |                       |
| 10      | L Bracket Calc Door Q500T      | Le l Brkt Calc Door Q500T      | 900576     |                       |
| 11      | Stay Tab Calc Door Q500T       | Fiche arret porte Calc         | 900577     |                       |
| 12      | Hor Gask Calc Door Q500T       | Joint entanch horz port Q500T  | 900579     |                       |
| 13      | LCD Dialplate UPD/EMT/PI Q500T | Tremie LCD UPD/EMT/PI Q500T    | 900614     |                       |
| 14      | Screw HSC M4x10                | Vis FHC M4x10                  | 900643-002 |                       |
| 15      | Screw HSC M4x16                | Vis FHC M4x16                  | 900643-003 |                       |
| 16      | U' Trim Calc Foor Q500T        | Habillage U Portillon Q500T    | 900670     |                       |
| 17      | Spacer Thr Hex FF M3x38        | Entretoise Hex FF M3x38        | 900711-008 |                       |
| 18      | Spacer Thr Hex FF M3x8         | Entretoise Hex FF M3x8         | 900711-010 |                       |
| 19      | Hingebar brass                 | Gond porte colonne             | 900733     |                       |
| 20      | Ballast Socket Integrated      | Ballast douille intégré        | 900738     |                       |
| 21      | Lamp Fluorescent Oryx 11W      | Tube fluo Oryx 11W             | 900739     |                       |
| 22      | Magnet 20x4.4x10               | Aimant 20x4.4x10               | 900757-001 |                       |
| 23      | Bracket - Prog Switch Magnet   | Support Aimant Inter Prog      | 900759     |                       |
| 24      | Cust Sales Display LCD         | Afficheur prix de vente LCD    | 900828     |                       |
| 25      | Assembly Lock Hydr Door        | Asm Serrure Porte Hydr         | -          | Refer to Lock drawing |
| 26      | Vert gask calc glass Q500T     | Joint verre vert port Q500T    | 901218     |                       |
| 27      | Calc glass Q500T               | Glace de portillon             | 901236     |                       |

(Cont.)



### 5.3 Door Assembly [LCD Display] (Cont.)

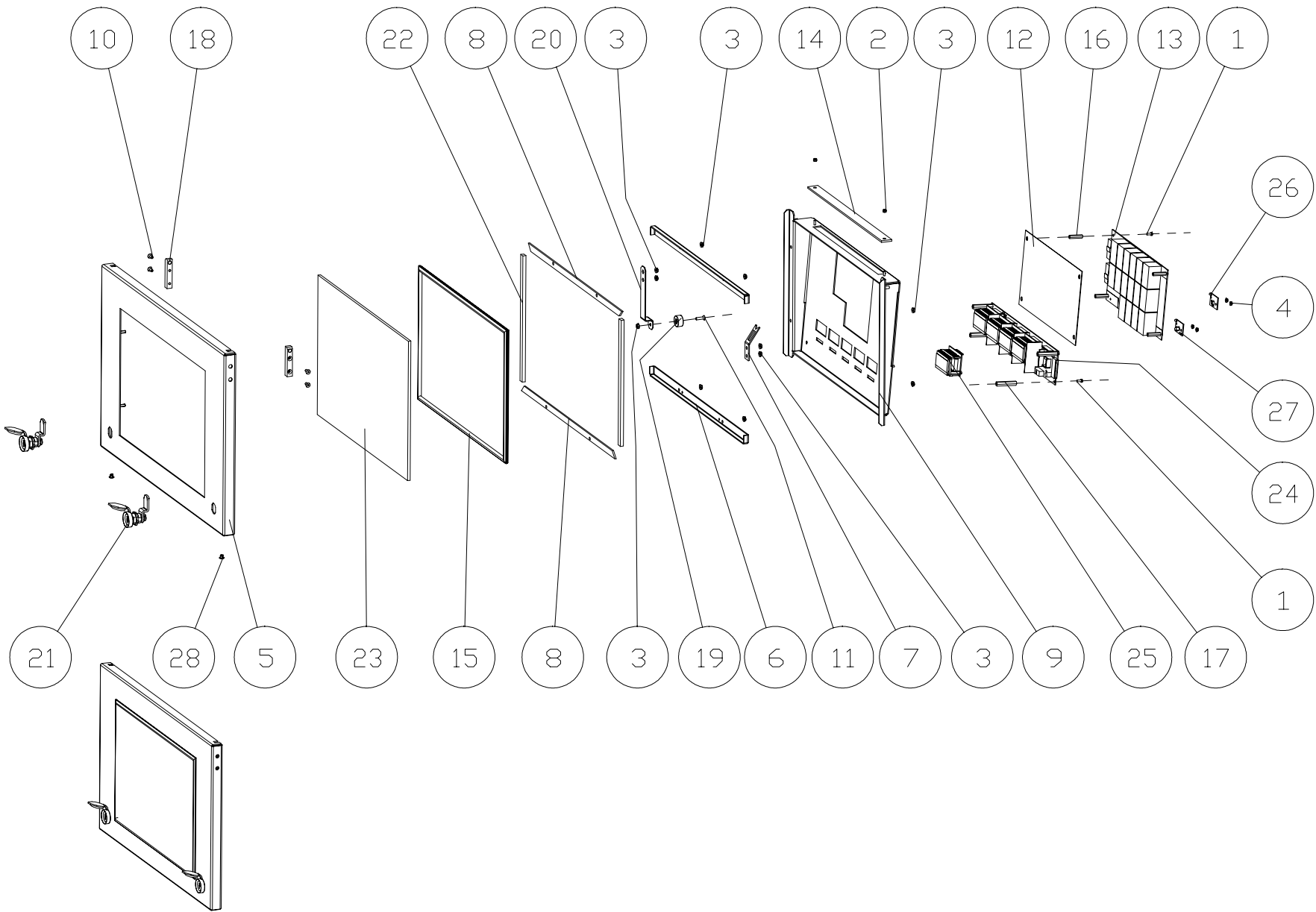
| Item No | Description                              | Désignation Français                 | Part No    | Comments                                                 |
|---------|------------------------------------------|--------------------------------------|------------|----------------------------------------------------------|
| 28      | Optional Peripheral Unit - no EMT        | PCB/WWC032/OPU/OPT PER UNIT          | 901354     |                                                          |
|         | Optional Peripheral Unit - 1 PR Left EMT | PCB asm/OPU/1 PR G EMT               | 902921-001 |                                                          |
|         | Optional Peripheral Unit 1 PR Right EMT  | PCB asm/OPU/1 PR D EMT               | 902921-002 |                                                          |
|         | Optional Peripheral Unit 2 PR Left EMT   | PCB asm/OPU/2 PR G EMT               | 902921-003 |                                                          |
|         | Optional Peripheral Unit 2 PR Right EMT  | PCB asm/OPU/2 PR D EMT               | 902921-004 |                                                          |
|         | Optional Peripheral Unit 3 PR L/R EMT    | PCB asm/OPU/3 PR G/D EMT             | 902921-005 |                                                          |
|         | Optional Peripheral Unit 4 PR Left EMT   | PCB asm/OPU/4 PR G EMT               | 902921-006 |                                                          |
|         | Optional Peripheral Unit 4 PR Right EMT  | PCB asm/OPU/4 PR D EMT               | 902921-007 |                                                          |
|         | Optional Peripheral Unit 5 PR L/R EMT    | PCB asm/OPU/5 PR G/D EMT             | 902921-008 |                                                          |
| 29      | Unit Price Display Module                | PCB/WWC033/ODU-UP/UPD PIGGY-BA       | 901355     |                                                          |
| 30      | IR Remote Control LED Option             | PCB/WWC019/LOB-IR/IR LED OPTIO       | 901357     |                                                          |
| 31      | VR Error LED Option                      | PCB/WWC019/LOB-ER/VR ERR LED O       | 901358     |                                                          |
| 32      | 5mm Nylon Rivet                          | 5mm Nylon Rive                       | 901560-002 |                                                          |
| 33      | Reflector LCD Q500T                      | Parabolle lumière LCD Q500T          | 901641     |                                                          |
| 34      | Retainer - LPG Light                     | Barette sécuritité clairage GPL      | 902008     | LPG Dispenser only                                       |
| 35      | Partition - LCD Light                    | Cloisin de contre - jour d'Affichage | 903576     | Product Indication or Unit Price<br>Display options only |



## 5.4 Door Assembly [FP Display]

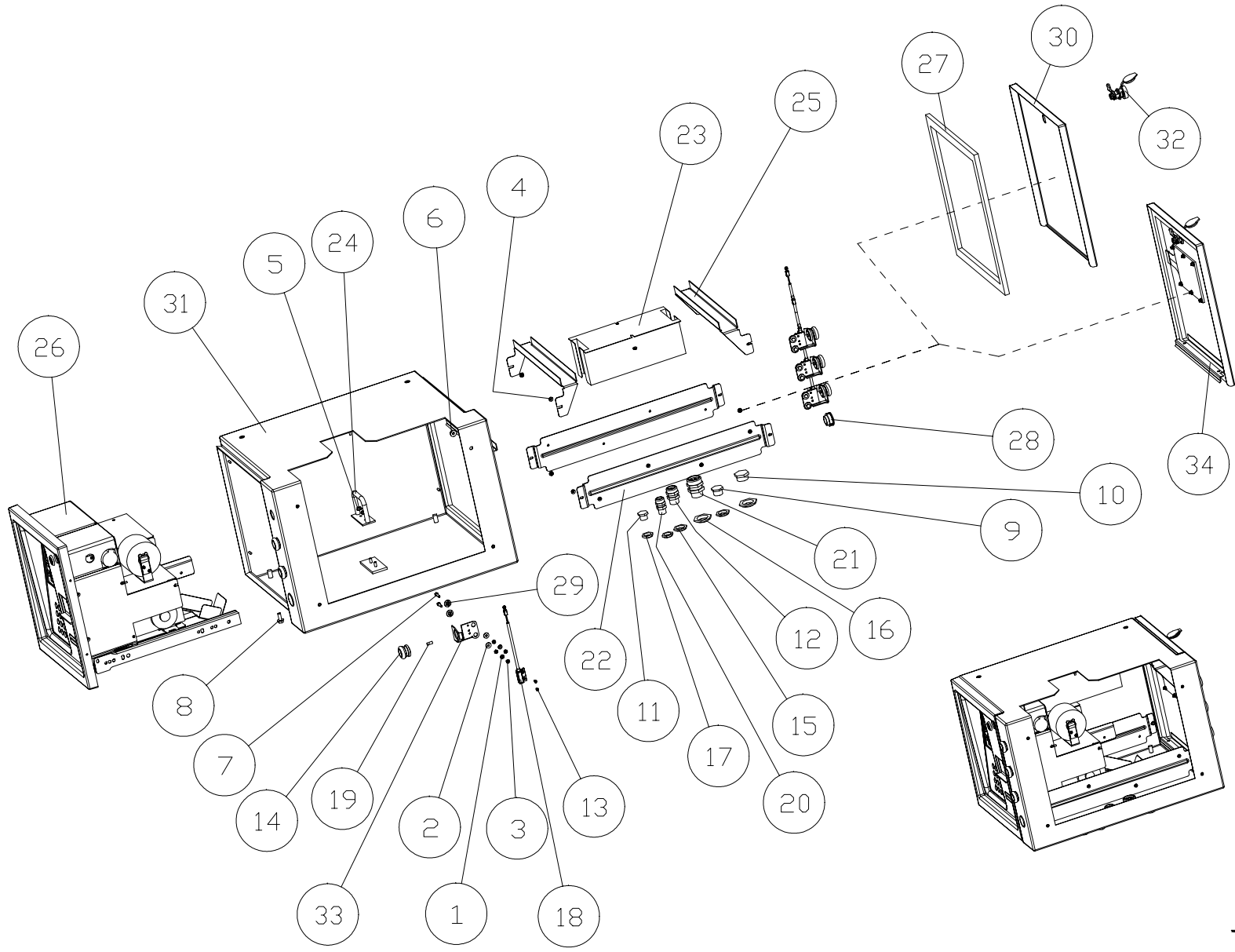
| Item No | Description                    | Désignation Français             | Part No    | Comments              |
|---------|--------------------------------|----------------------------------|------------|-----------------------|
| 1       | Screw SCH M3x8                 | Vis CS M3x8                      | 900007-008 |                       |
| 2       | Nut Hex Prev Torque M3         | Ecrou Frein M3                   | 900012-001 |                       |
| 3       | Nut Hex Self Lock M4           | Ecrou Bride Autobloquant M4      | 900013-001 |                       |
| 4       | Nut Hex Self Lock M3           | Ecrou Bride Autobloquant M3      | 900013-006 |                       |
| 5       | Calc Door Weld Assy Q500T      | Portillon soudé Q500T            | 900571     |                       |
| 6       | L Bracket Calc Door Q500T      | Le I Brkt Calc Door Q500T        | 900576     |                       |
| 7       | Stay Tab Calc Door Q500T       | Fiche arret porte Calc           | 900577     |                       |
| 8       | Hor Gask Calc Door Q500T       | Joint entanch horz port Q500T    | 900579     |                       |
| 9       | FP Dial Plate EMT/UPD/PI Q500T | Trémie FERR UPD/EMT/PI Q500T     | 900611     |                       |
| 10      | Screw HSC M4x10                | Vis FHC M4x10                    | 900643-002 |                       |
| 11      | Screw HSC M4x16                | Vis FHC M4x16                    | 900643-003 |                       |
| 12      | Dialplate Window FP QT         | Protection Afficheur Ferranti    | 900667     |                       |
| 13      | Cust Sales Display Ferranti    | Afficheur prix de vente Ferranti | 900668     |                       |
| 14      | Light Diffuser FP Q500T        | Capot diffusant Ferranti Q500T   | 900669     |                       |
| 15      | U' Trim Calc Door Q500T        | Habillage U Portillon Q500T      | 900670     |                       |
| 16      | Spacer Thr Hex FF M3x25x7      | Entretoise Hex FF M3x25x7        | 900711-002 |                       |
| 17      | Spacer Thr Hex FF M3x38        | Entretoise Hex FF M3x38          | 900711-008 |                       |
| 18      | Hingebar brass                 | Gond porte colonne               | 900733     |                       |
| 19      | Magnet 20x4.4x10               | Aimant 20x4.4x10                 | 900757-001 |                       |
| 20      | Bracket - Prog Switch Magnet   | Support Aimant Inter Prog        | 900759     |                       |
| 21      | Assembly Lock Hydr Door        | Ass Serrure Porte Hydr           | -          | Refer to Lock drawing |
| 22      | Vert gask calc glass Q500T     | Joint verre vert port Q500T      | 901218     |                       |
| 23      | Calc glass Q500T               | Glace de portillon               | 901236     |                       |

(Cont.)



**5.4 Door Assembly [FP Display] (Cont.)**

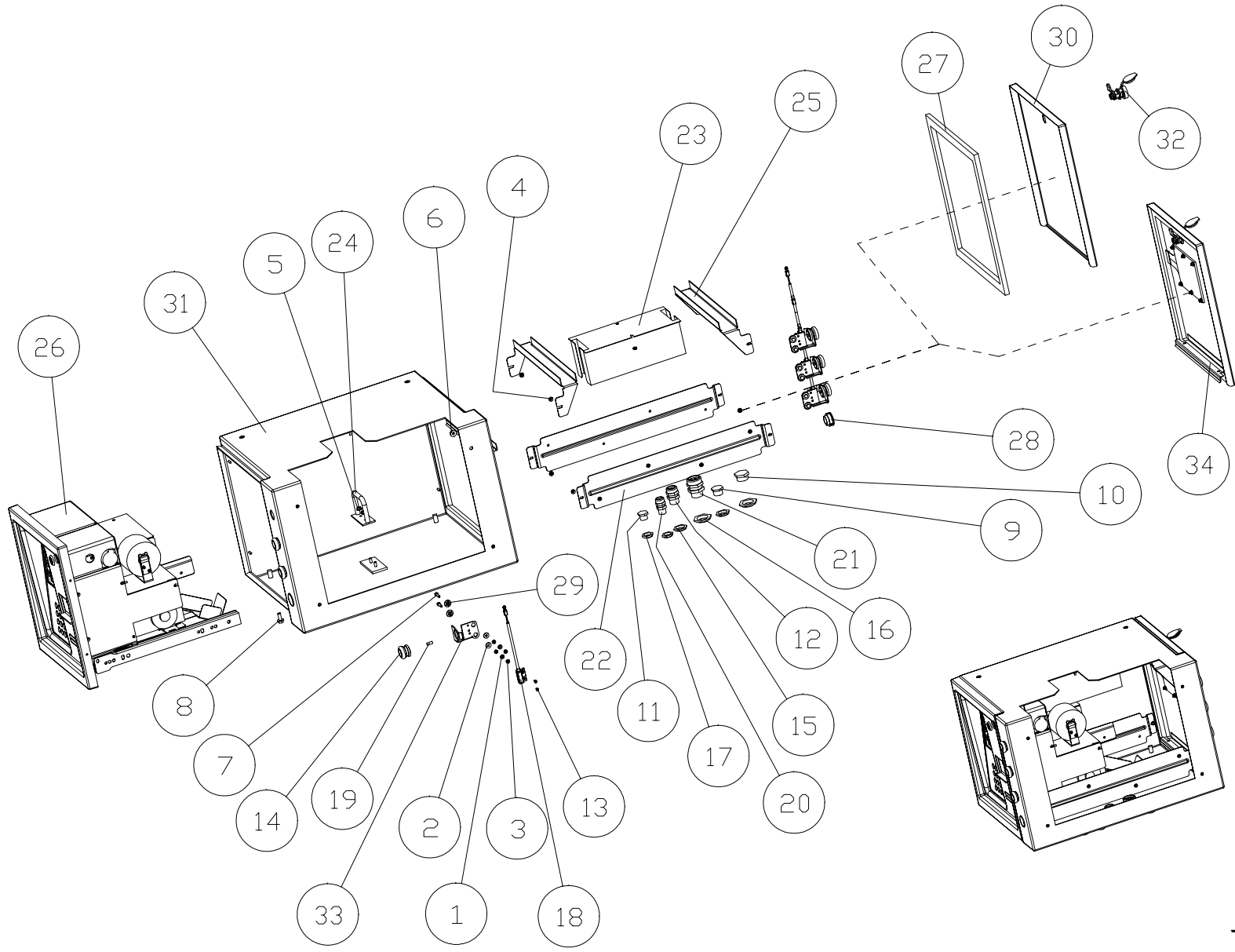
| Item No | Description                              | Désignation Français           | Part No    | Comments |
|---------|------------------------------------------|--------------------------------|------------|----------|
| 24      | Optional Peripheral Unit - no EMT        | PCB/WWC032/OPU/OPT PER UNIT    | 901354     |          |
|         | Optional Peripheral Unit - 1 PR Left EMT | PCB asm/OPU/1 PR G EMT         | 902921-001 |          |
|         | Optional Peripheral Unit 1 PR Right EMT  | PCB asm/OPU/1 PR D EMT         | 902921-002 |          |
|         | Optional Peripheral Unit 2 PR Left EMT   | PCB asm/OPU/2 PR G EMT         | 902921-003 |          |
|         | Optional Peripheral Unit 2 PR Right EMT  | PCB asm/OPU/2 PR D EMT         | 902921-004 |          |
|         | Optional Peripheral Unit 3 PR L/R EMT    | PCB asm/OPU/3 PR G/D EMT       | 902921-005 |          |
|         | Optional Peripheral Unit 4 PR Left EMT   | PCB asm/OPU/4 PR G EMT         | 902921-006 |          |
|         | Optional Peripheral Unit 4 PR Right EMT  | PCB asm/OPU/4 PR D EMT         | 902921-007 |          |
|         | Optional Peripheral Unit 5 PR L/R EMT    | PCB asm/OPU/5 PR G/D EMT       | 902921-008 |          |
| 25      | Unit Price Display Module                | PCB/WWC033/ODU-UP/UPD PIGGY-BA | 901355     |          |
| 26      | IR Remote Control LED Option             | PCB/WWC019/LOB-IR/IR LED OPTIO | 901357     |          |
| 27      | VR Error LED Option                      | PCB/WWC019/LOB-ER/VR ERR LED O | 901358     |          |
| 28      | 5mm Nylon Rivet                          | 5mm Nylon Rive                 | 901560-002 |          |



## 5.5 Dispenser Integrated Terminal Assembly [DIT]

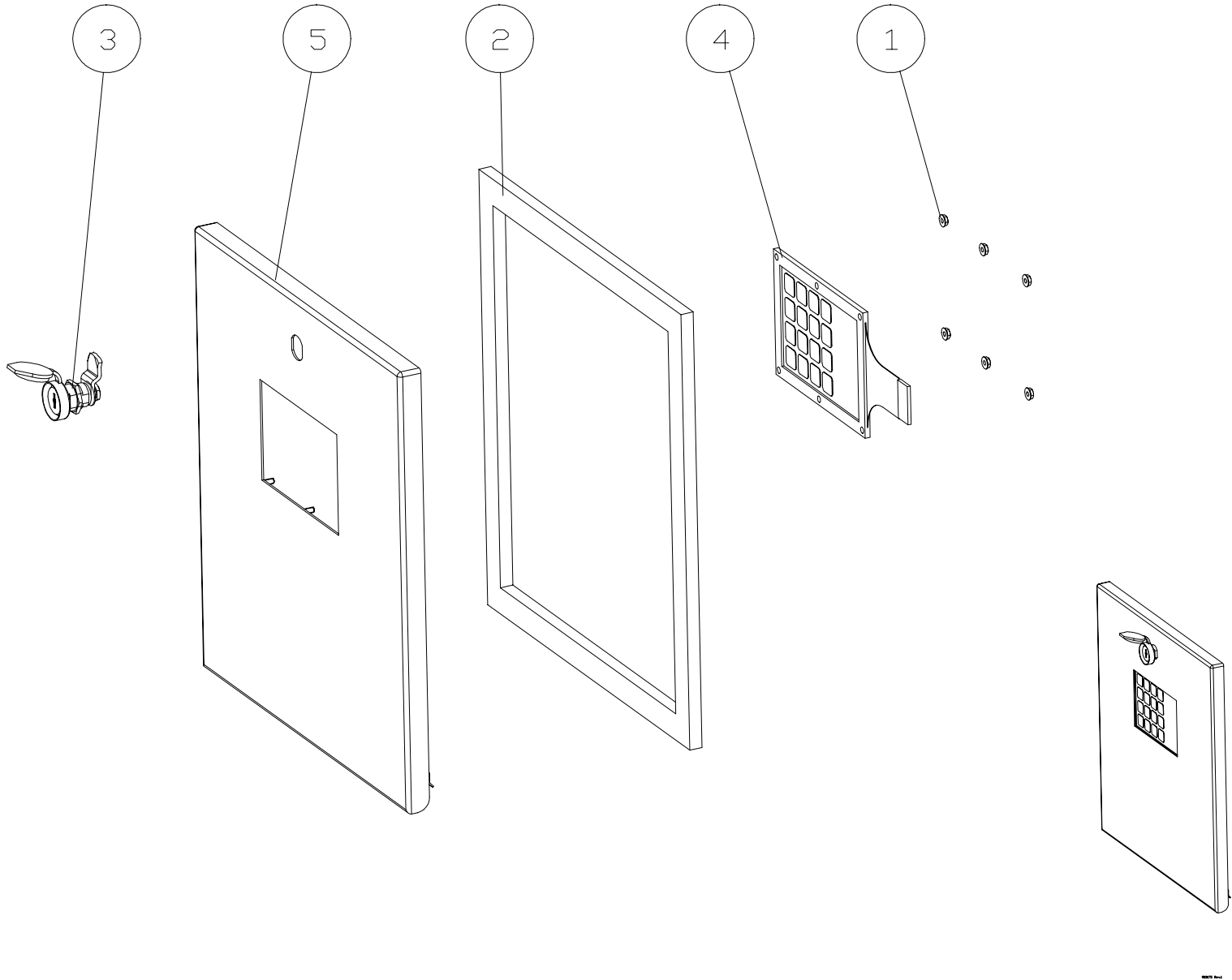
| Item No | Description                             | Désignation Français                 | Part No    | Comments                     |
|---------|-----------------------------------------|--------------------------------------|------------|------------------------------|
| 1       | Washer PI M4                            | Rondelle PI M4                       | 900008-004 |                              |
| 2       | Washer PI M4                            | Rondelle PI M4                       | 900008-016 |                              |
| 3       | Nut Hex M4                              | Ecrou H M4                           | 900011-006 |                              |
| 4       | Nut Hex Self Lock M4                    | Ecrou Bride Autobloquant M4          | 900013-001 |                              |
| 5       | Nut Hex Self Lock M5                    | Ecrou Bride Autobloquant M5          | 900013-002 |                              |
| 6       | Nut Hex Self Lock M6                    | Ecrou Bride Autobloquant M6          | 900013-003 |                              |
| 7       | Screw HH M4x16                          | Vis H M4x16                          | 900015-013 |                              |
| 8       | Screw HFHSL M6x16                       | Vis Hex Br Autobl M6x16              | 900016-004 |                              |
| 9       | Plug M20 x 1.5 EEXE/IP66                | Bouchon PG M20 x 1.5 EEXE/IP66       | 900044-001 |                              |
| 10      | Plug M25 x 1.5 EEXE/IP66                | Bouchon PG M25 x 1.5 EEXE/IP66       | 900044-002 |                              |
| 11      | Plug M16 x 1.5 EEXE/IP66                | Bouchon PG M16 x 1.5 EEXE/IP66       | 900044-004 |                              |
| 12      | Gland M20x1.5 Eexe II/IP66-68 1x 8-13mm | PE M20x1.5 Eexe II/IP66-68 1x 8-13mm | 900064-001 |                              |
| 13      | Screw CRRCHTF M3x8                      | Autotara Cyl Bomb Emp Cru M3x8       | 900078-002 |                              |
| 14      | Push Button                             | Bouton Poussoir                      | 900079-001 |                              |
| 15      | Nut Hex M20 x 1.5                       | Ecrou Hex M20 x 1.5                  | 900088-001 |                              |
| 16      | Nut Hex M25 x 1.5                       | Ecrou Hex M25 x 1.5                  | 900088-002 |                              |
| 17      | Nut Hex M16 x 1.5                       | Ecrou Hex M16 x 1.5                  | 900088-004 |                              |
| 18      | Generic Hall Effect Sensor              | Capteur Générique à effet hall       | -          | Refer to Hall Sensor drawing |
| 19      | Magnet Nozzle button                    | Bouton aimant injecteur              | 900097     |                              |
| 20      | Gland M16x1.5 Eexell/IP66-68 1x 5-8mm   | PE M16x1.5 Eexell/IP66-68 1x 5-8mm   | 900362-001 |                              |
| 21      | Gland M25x1.5 IP66 4 x 6mm              | PE M25x1.5 IP66 4 x 6mm              | 900363-001 |                              |
| 22      | DIT Slide Rail Bkt                      | DIT Rail de guidance Bkt             | 900539     |                              |
| 23      | SAM Heater Opt                          | SAM chauffage opt                    | 900540     |                              |
| 24      | Lock Staple MD                          | Agrfe verrouillage MD                | 900541     |                              |
| 25      | DIT-C Cable Bkt                         | DIT-C Cable Bkt                      | 900542     |                              |
| 26      | Optimum                                 | Optimum                              | -          |                              |

(Cont.)



**5.5 Dispenser Integrated Terminal Assembly [DIT] (Cont.)**

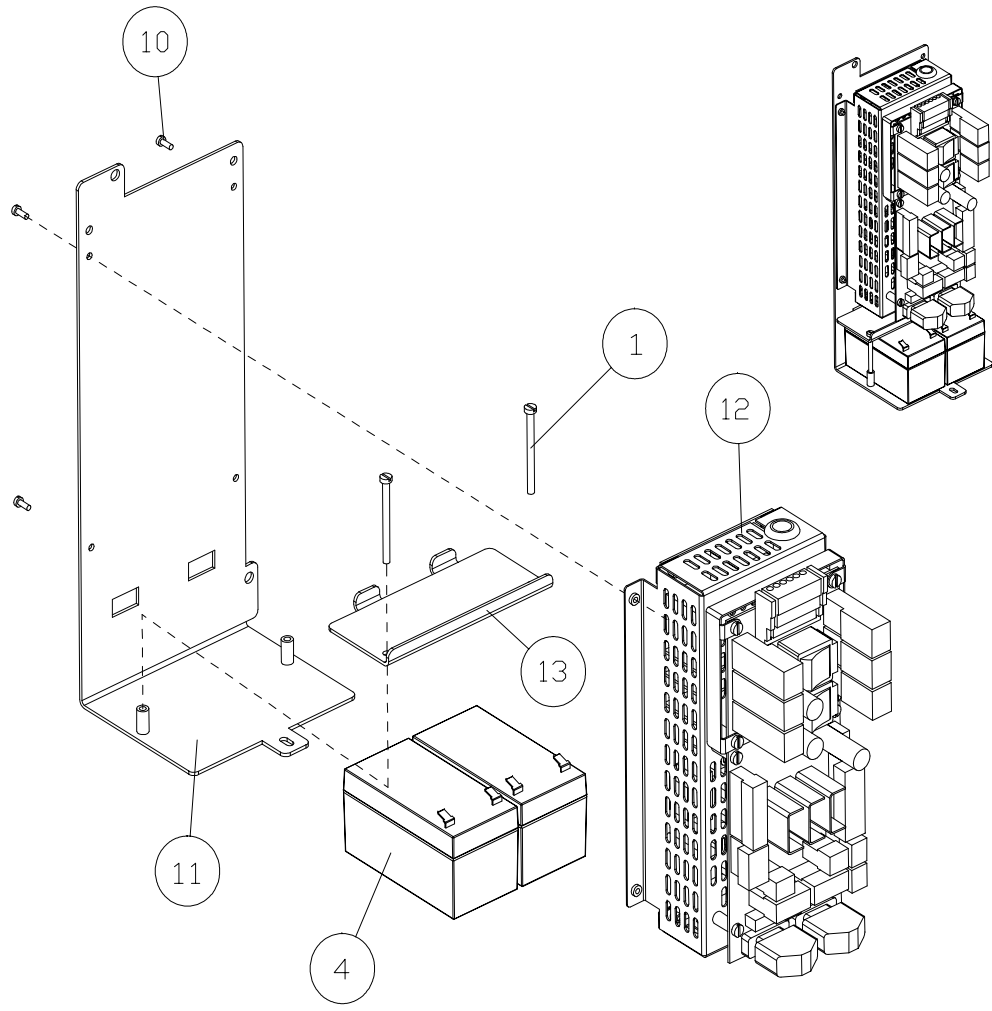
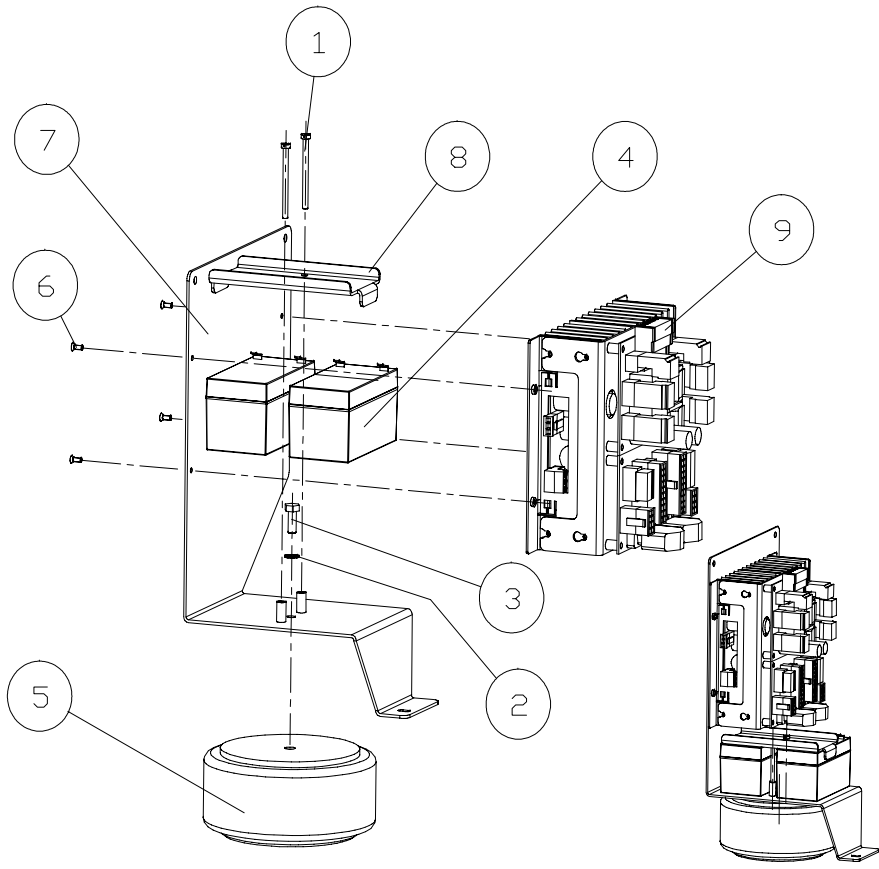
| Item No | Description                  | Désignation Français          | Part No    | Comments                       |
|---------|------------------------------|-------------------------------|------------|--------------------------------|
| 27      | Q500T DIT Blind Door Seal    | Q500T DIT Joint Porte Aveugle | 900676     |                                |
| 28      | Black Plug for 22.3 Holes    | Bouchon Noir Pour 22.3 Trou   | 900683-001 |                                |
| 29      | Insulation Sleeve 4.2mm      | Manchon Isolant 4.2mm         | 900758-001 |                                |
| 30      | Q500T DIT Blind Door         | Q500T DIT Porte Aveugle       | 900813     |                                |
| 31      | Q500T DIT Frame Welded       | Q500T DIT Soude Chas          | 900819     |                                |
| 32      | Assembly Lock DIT Blind Door | Ass Serrure Porte DIT Aveugle | -          | Refer to Lock drawing          |
| 33      | Bracket Nozzle Switch        | Support bouton injecteur      | 901467     |                                |
| 34      | DIT Preset Keypad Assembly   | DIT porte bloc de touche asm  | -          | Refer to Preset Keypad drawing |



Issue B

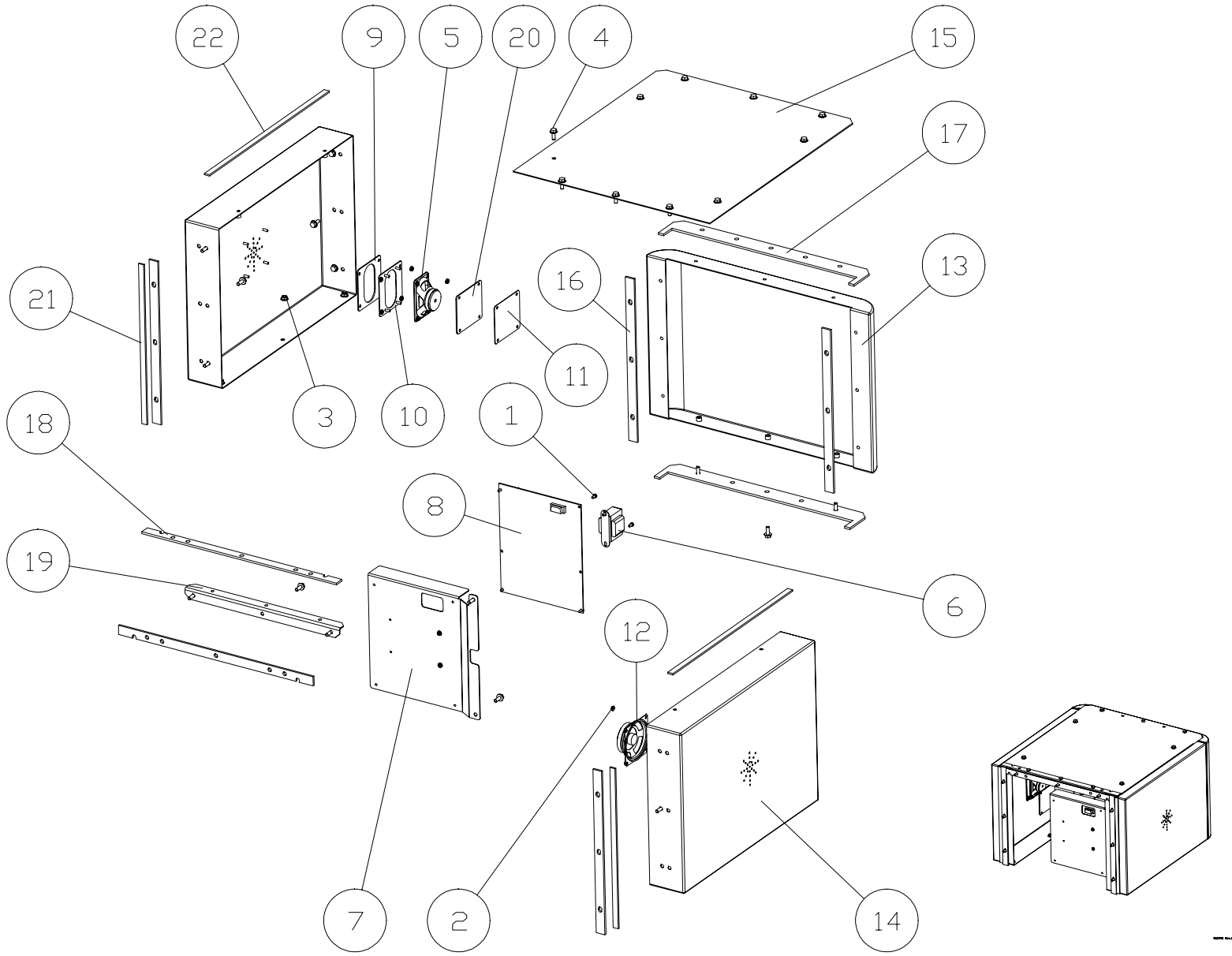
## 5.6 Preset Keypad Option

| Item No | Description                    | Désignation Français               | Part No    | Comments              |
|---------|--------------------------------|------------------------------------|------------|-----------------------|
| 1       | Nut Hex Self Lock M4           | Ecrou Bride Autobloquant M4        | 900013-001 |                       |
| 2       | Q500T Blind Door Seal          | Q500T DIT Joint Port Aveugle       | 900676     |                       |
| 3       | Lock Assembly - DIT Blind Door | Asm Serrure Porte DIT Aveugle      | -          | Refer to Lock drawing |
| 4       | Membrane Keyboard 4x4          | Clavier Prede 4x4                  | 902470     |                       |
| 5       | Q500T DIT Door Keypad Assy     | Q500T DIT Asm Porte bloc de touche | 903101     |                       |



## 5.7 Power Supply Unit for DIT Assembly

| Item No | Description                                                | Désignation Français                                        | Part No          | Comments                     |
|---------|------------------------------------------------------------|-------------------------------------------------------------|------------------|------------------------------|
| 1       | Screw SCH M4x50                                            | Vis CS M4x50                                                | 900007-007       |                              |
| 2       | Washer Serr Lock Ext M6                                    | Rondelle a Dents DEC M6                                     | 900009-004       |                              |
| 3       | Screw HH M6x16                                             | Vis H M6x16                                                 | 900015-002       |                              |
| 4       | Battery 12V 1.2 Ah (box type)                              | Batterie 12V 1.2 Ah                                         | 900072           |                              |
| 5       | Toroidal Power Trafo 330 VA<br>Toroidal Power Trafo 160 VA | Toroidal Power Trafo 330 VA<br>Alim. Toroidale Trafo 160 VA | 900073<br>901881 | Double-sided<br>Single-sided |
| 6       | Screw CRC M3x8                                             | Vis FLZ M3x8                                                | 901323-001       |                              |
| 7       | DIT power supply unit bracket                              | DIT assisté approvisionner encader                          | 901877           |                              |
| 8       | DIT power supply unit Battery Bracket                      | DIT assisté appr encader batterie                           | 901878           |                              |
| 9       | OPTIMUM PSU Assembly                                       | Assemblée OPTIMUM PSU                                       | 9400025832       |                              |
| 10      | Screw SCH M3x8                                             | Vis CS M3x8                                                 | 900007-008       |                              |
| 11      | DIT PSU bracket                                            | DIT PSU encadrer                                            | 902076           |                              |
| 12      | OPT PSU assembly                                           | OPT PSU assemblee                                           | 902077           |                              |
| 13      | DIT PSU battery bracket                                    | DIT PSU batterie encadrer                                   | 902079           |                              |



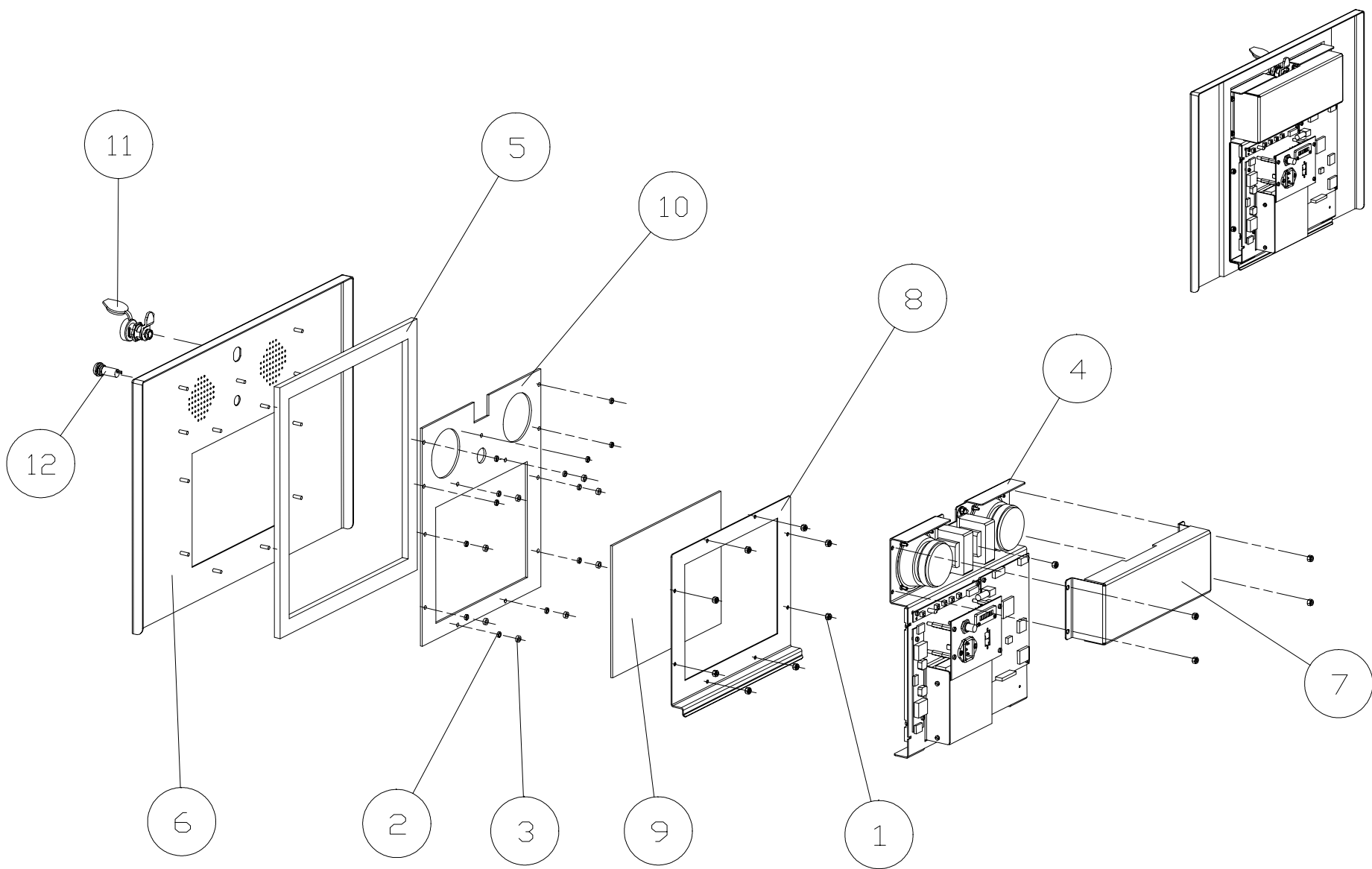
## 5.8 Spacebox Assembly [non-Vidium Multi Media]

| Item No | Description                   | Désignation Français               | Part No    | Comments                     |
|---------|-------------------------------|------------------------------------|------------|------------------------------|
| 1       | Screw SCH M4x8                | Vis CS M4x8                        | 900007-003 |                              |
| 2       | Nut Hex Self Lock M4          | Ecrou Bride Autobloquant M4        | 900013-001 |                              |
| 3       | Nut Hex Self Lock M6          | Ecrou Bride Autobloquant M6        | 900013-003 |                              |
| 4       | Screw HFHSL M6x16             | Vis Hex Br Autobl M6x16            | 900016-004 |                              |
| 5       | 4 ohm VS Speaker              | 4 ohm VS haut parl                 | 900083     | Voice Synthesiser only       |
| 6       | 8 Ohm Speaker Transformer     | 8 ohm Transformer Eur Haut Parl    | 900302     | Speaker option only          |
| 7       | Bracket SOM Board             | Enacdrer SOM Planche               | 900549     | Speaker option only          |
| 8       | COCA SOM Speaker Board        | COCA SOM Haur Parl Monte           | 900550     | Speaker option only          |
| 9       | Seal for Plate Adaptor        | Joint pour adaptateur plaque       | 900551     | Voice Synthesiser only       |
| 10      | 4 ohm Speaker Bracket         | 4 Ohm Haut Parl Encadrer           | 900552     | Voice Synthesiser only       |
| 11      | Q500T SB Speaker Blankplate   | Q500T SB Ht-parl plaque a blanc    | 900553     | No media option only         |
| 12      | 8 ohm pa speaker              | 8 ohm pa haut parl                 | 901057     | Speaker option only          |
| 13      | Spacebox Endplate 2C, 3C, 4C  | Boite espace plaque fin 2C, 3C, 4C | 901160     | 2, 3 and 4 columns           |
|         | Spacebox Endpanel 1C Blank    | Boite espace plaque fin 1C blanc   | 901707     | 1 column only - blank        |
|         | Spacebox Endpanel 1C Media    | Boite espace plaque fin 1C media   | 901968     | 1 column only - media option |
| 14      | Spacebox Sideplate 5C SP      | Boite espace plaque cote 5C SP     | 902818     | 5 columns                    |
|         | Spacebox Sideplate 4C SP      | Boite espace plaque cote 4C SP     | 901164     | 4 columns                    |
|         | Spacebox Sideplate 3C SP      | Boite espace plaque cote 3C SP     | 901163     | 3 columns                    |
|         | Spacebox Sideplate 2C SP      | Boite espace plaque cote 2C SP     | 901162     | 2 columns                    |
| 15      | Spacebox Top Plate 5C         | Boite espace plaque dessus 5C      | 902817     | 5 columns                    |
|         | Spacebox Top Plate 4C         | Boite espace plaque dessus 4C      | 901168     | 4 columns                    |
|         | Spacebox Top Plate 3C         | Boite espace plaque dessus 3C      | 901167     | 3 columns                    |
|         | Spacebox Top Plate 2C         | Boite espace plaque dessus 2C      | 901169     | 2 columns                    |
| 16      | Seal Spacebox end             | Boite espace joint fin             | 901170     |                              |
| 17      | Seal Spacebox end top/bottom  | Boite espace joint fin dessus/fond | 901171     |                              |
| 18      | Seal Spacebox Support top     | Boite espace appui dessus          | 901172     |                              |
| 19      | Spacebox Support              | Boite espace appui                 | 901173     |                              |
| 20      | Seal for Blank Plate          | Joint pour Ht-parl plaque a blanc  | 903052     | No media option only         |
| 21      | Seal 12mm x 3mm Self Adhesive | Joint 12mm x 3mm Autoadhesif       | 900039-002 | Cut to 348cm length          |
| 22      | Seal 12mm x 3mm Self Adhesive | Joint 12mm x 3mm Autoadhesif       | 900039-002 | Cut to 434cm length          |



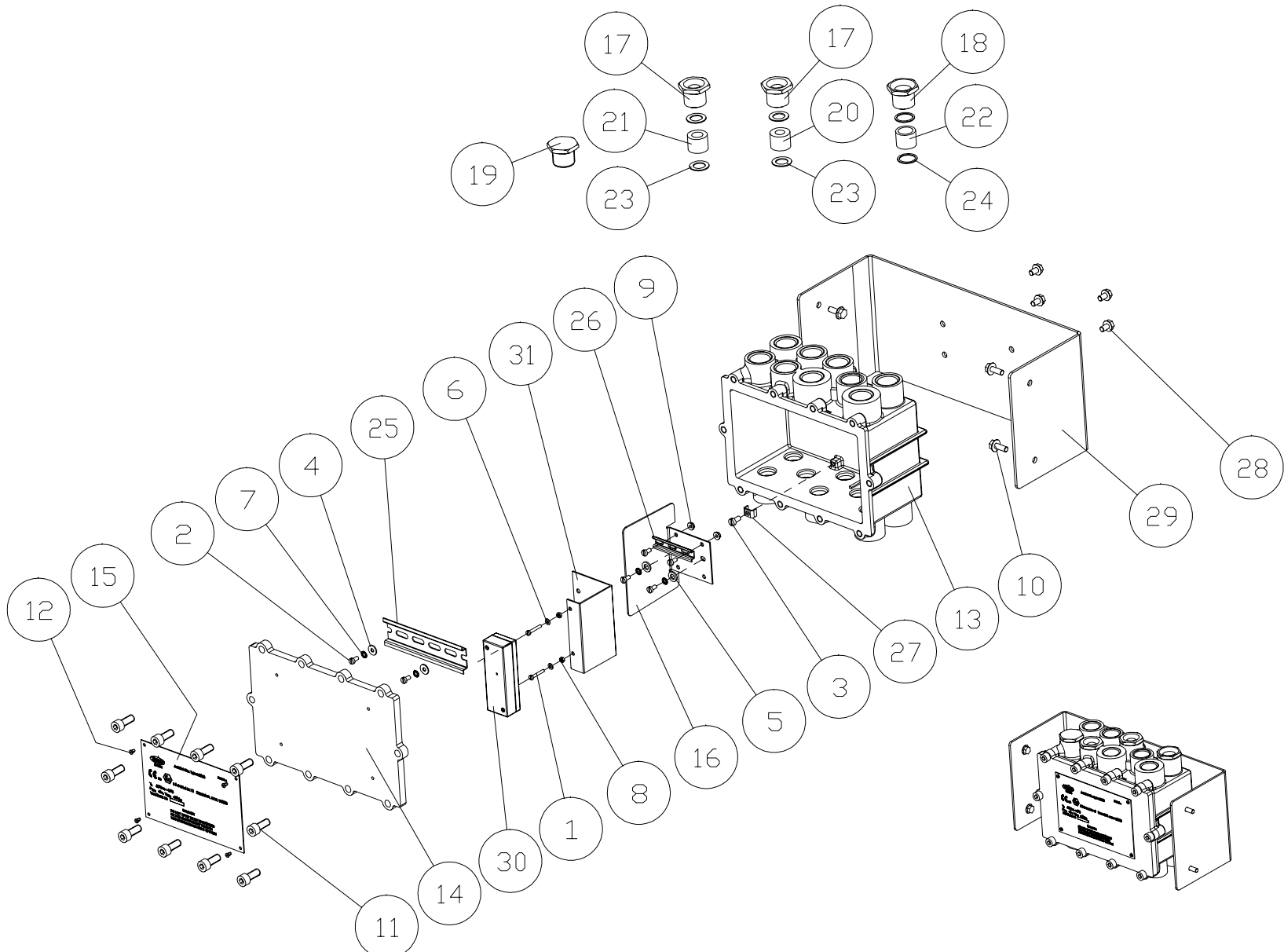
## 5.9 Spacebox Assembly [Vidium Multi Media]

| Item No | Description                        | Désignation Français               | Part No    | Comments                     |
|---------|------------------------------------|------------------------------------|------------|------------------------------|
| 1       | Nut Hex Self Lock M6               | Ecrou Bride Autobloquant M6        | 900013-003 |                              |
| 2       | Screw HH M6x16                     | Vis H M6x16                        | 900015-002 |                              |
| 3       | Screw HFHSL M6x16                  | Vis Hex Br Autobl M6x16            | 900016-004 |                              |
| 4       | SAM Heater Opt                     | SAM chauffage opt                  | 900540     |                              |
| 5       | Spacebox Multi Media Door Assembly | Boite espace MM Asm Porte          | -          | Refer to Vidium Door drawing |
| 6       | Spacebox Sideplate 4C Multi Media  | Boite espace plaque cote 4C MM     | 900855     | 4 columns                    |
|         | Spacebox Sideplate 3C Multi Media  | Boite espace plaque cote 3C MM     | 901165     | 3 columns                    |
| 7       | Spacebox Endplate                  | Boite espace plaque fin            | 901160     |                              |
| 8       | Spacebox Top Plate 4C              | Boite espace plaque dessus 4C      | 901168     | 4 columns                    |
|         | Spacebox Top Plate 3C              | Boite espace plaque dessus 3C      | 901167     | 3 columns                    |
| 9       | Seal Spacebox end                  | Boite espace joint fin             | 901170     |                              |
| 10      | Seal Spacebox end top/bottom       | Boite espace joint fin dessus/fond | 901171     |                              |
| 11      | Seal Spacebox Support top          | Boite espace appui dessus          | 901172     |                              |
| 12      | Spacebox Support                   | Boite espace appui                 | 901173     |                              |



### 5.10 Door Assembly [Vidium Multi Media]

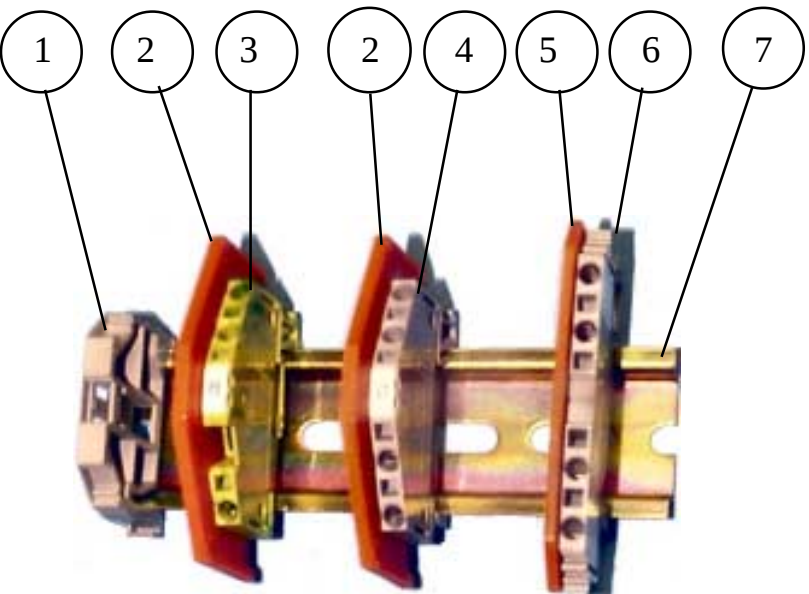
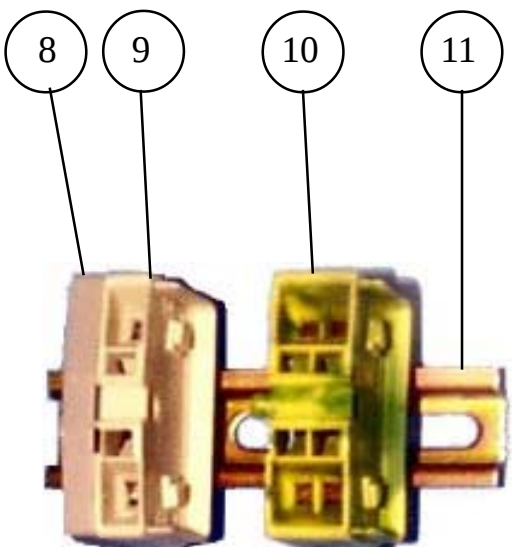
| Item No | Description                         | Désignation Français              | Part No    | Comments              |
|---------|-------------------------------------|-----------------------------------|------------|-----------------------|
| 1       | Nut Hex Prev Torque M4              | Ecrou Frein M4                    | 900012-004 |                       |
| 2       | Spacer 4.2x7.0x2.0                  | Entretoise Cyl 4.2x7.0x2.0        | 900024-005 |                       |
| 3       | Spacer 4.2x8.0x3.0                  | Entretoise Cyl 4.2x8.0x3.0        | 900024-006 |                       |
| 4       | Data display assembly               | Data affichage assemblee          | 900300     |                       |
| 5       | Q500T DIT Blind Door Seal           | Q500T DIT Joint Porte Aveugle     | 900676     |                       |
| 6       | Q500T Spacebox MM 8 hose Door Assem | Q500T Boite Esp MM 8T Asm         | 900815     | 4 columns only        |
|         | Q500T Spacebox MM 6 hose Door Assem | Q500T Boite Esp MM 6T Asm         | 900814     | 3 columns only        |
| 7       | Spacebox Multi Media Speaker Cover  | Boite Espace MM Haut Parl Couvrir | 900854     |                       |
| 8       | Spacebox Multi Media Glass Bracket  | Boite Espace MM Verre Encadrer    | 900856     |                       |
| 9       | Spacebox Multi Media Glass          | Boite Espace MM Verre             | 900858     |                       |
| 10      | Spacebox Multi Media Glass Seal     | Boite Espace MM Verre Cacheter    | 900859     |                       |
| 11      | Assembly Lock DIT Blind Door        | Asm Serrure Porte DIT Aveugle     | -          | Refer to Lock drawing |
| 12      | Push button black                   | Bouton de pression noir           | 901934-001 |                       |



## 5.11 Main Junction Box Assembly

| Item No | Description                     | Désignation Français         | Part No    | Comments                    |
|---------|---------------------------------|------------------------------|------------|-----------------------------|
| 1       | Screw SCH M3x20                 | Vis CS M3x20                 | 900007-002 | Shock Detection option only |
| 2       | Screw SCH M4x8                  | Vis CS M4x8                  | 900007-003 |                             |
| 3       | Screw SCH M5x10                 | Vis CS M5x10                 | 900007-004 |                             |
| 4       | Washer PI d2=3xd1 M4            | Rondelle PI d2=3xd1 M4       | 900008-003 |                             |
| 5       | Washer PI M6                    | Rondelle PI M6               | 900008-007 | Shock Detection option only |
| 6       | Washer PI M3                    | Rondelle PI M3               | 900008-010 | Shock Detection option only |
| 7       | Washer Serr Lock Ext M4         | Rondelle a Dents DEC M4      | 900009-001 |                             |
| 8       | Nut Hex M3                      | Scrou H M3                   | 900011-008 | Shock Detection option only |
| 9       | Nut Hex Self Lock M4            | Ecrou Bride Autobloquant M4  | 900013-001 |                             |
| 10      | Screw HFHSL M6x16               | Vis Hex Br Autobl M6x16      | 900016-004 |                             |
| 11      | Screw HSHC M8x20                | Vis CHC M8x20                | 900017-002 |                             |
| 12      | Rivet Expansion                 | Rivet Rokut                  | 900022-002 |                             |
| 13      | Junction Box-M2000-series       | Boitier de connection-M2000  | 900104     |                             |
| 14      | Cover Junction Box M2000        | Couvercle boitier connection | 900105     |                             |
| 15      | Typelate junction box M2000     | Plaque no serie boitier      | 900106     |                             |
| 16      | Junction Box divider plate      | Plaque seperation boitier    | 900107     |                             |
| 17      | Gland Exd M25 14mm              | Ecrou PE M25 14mm            | 900108     |                             |
| 18      | Gland Exd M25 19mm              | Ecrou PE M25 19mm            | 900109     |                             |
| 19      | Blindstop Exd N25               | Bouchon N25                  | 900110     |                             |
| 20      | Grommet 8-11                    | Bouchon 8-11                 | 900111     |                             |
| 21      | Grommet 10-13                   | Bouchon 10-13                | 900112     |                             |
| 22      | Grommet 14-17                   | Bouchon 14-17                | 900113     |                             |
| 23      | Back-up ring 8-13               | Rondelle acier 8-13          | 900114     |                             |
| 24      | Back-up ring 14-17              | Rondelle acier 14-17         | 900115     |                             |
| 25      | Rail TS-35 L=121                | Rail de bornier TS-35 L=121  | 900116     |                             |
| 26      | Rail TS-15 L=59                 | Rail de bornier TS-15 L=59   | 900117     |                             |
| 27      | Grounding clamp                 | Borne de mise la terre       | 900118     |                             |
| 28      | Screw HFHTF M6x10               | Vis Hex Taraudeuse M6x10     | 900708-001 |                             |
| 29      | Bracket - junction box VHSM     | Support boite jonction VHSM  | 902003     | Q300T Dispenser             |
|         | Bracket - junction box Standard | Support boite jonction std   | 900316     | Q300T Dispenser             |
|         | Bkt M2000 J/Box LPG Q500T       | Support Boitier Q500T GPL    | 901209     | Q500T LPG Dispenser only    |
|         | Support junction box            | Support boîte connexion      | 900439     | Q500T Dispenser             |
| 30      | Tilt Sensor Switch              | Capteur d'Inclinaison        | 903864     | Shock Detection option only |
| 31      | Bracket Shock Detector          | Support - Choc detectionde   | 903917     | Shock Detection option only |

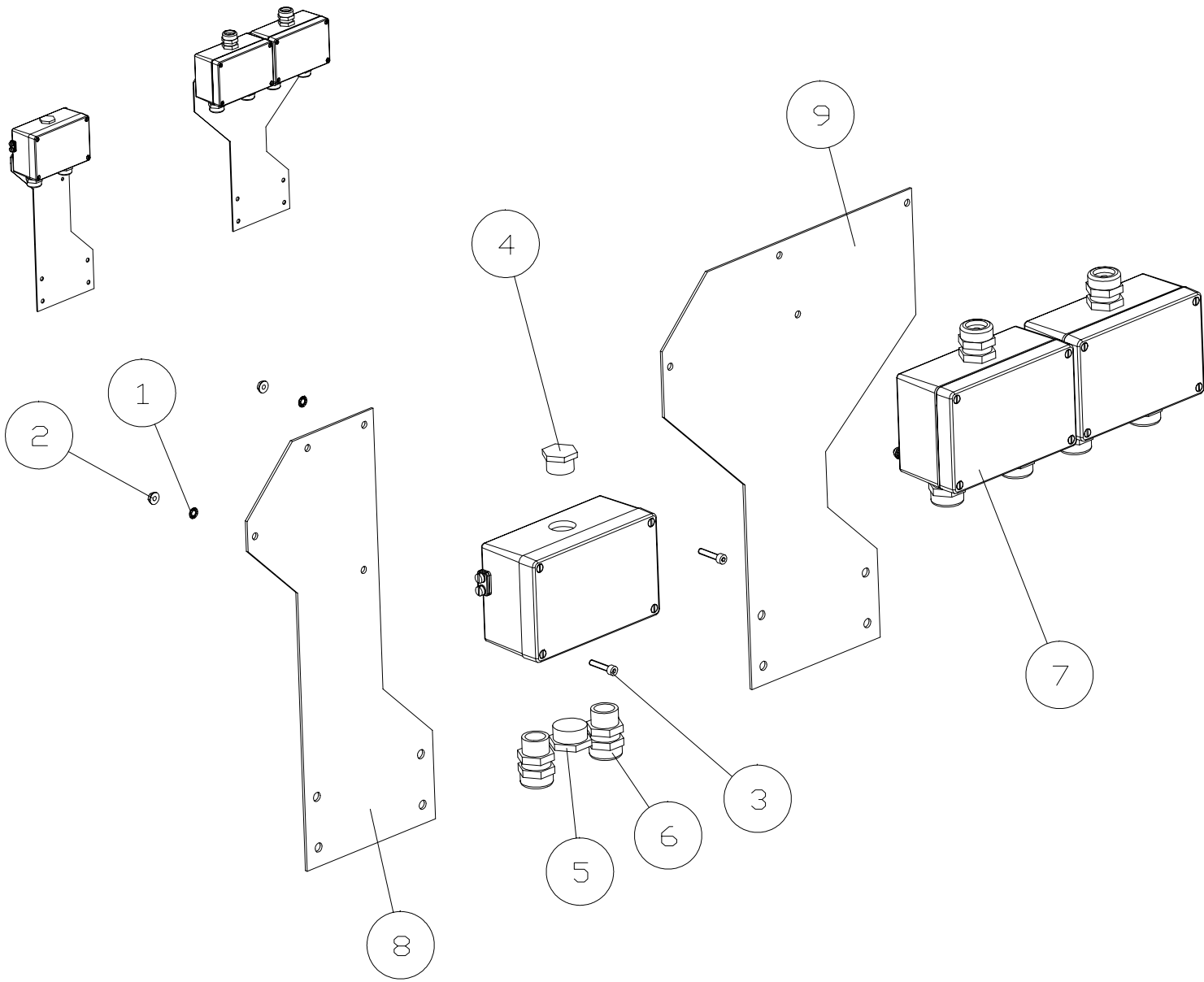
For internal components, refer to next page



Issue B

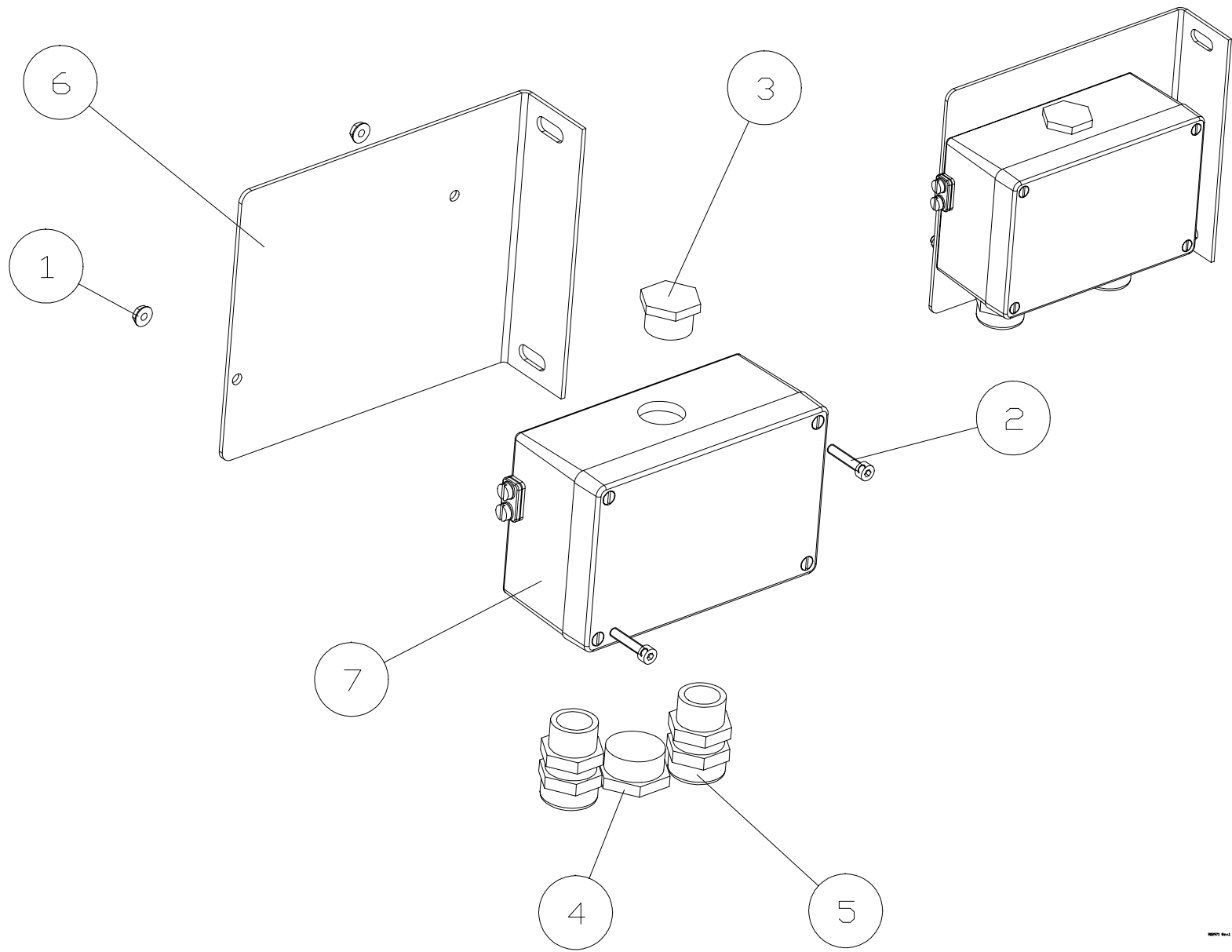
## 5.12 Main Junction Box Internal Components

| Item No | Description                     | Désignation Français             | Part No    | Comments |
|---------|---------------------------------|----------------------------------|------------|----------|
| 1       | Endstop Grey 35mm 249-116       | Extr Stop Gris 35mm 249-116      | 901712-001 |          |
| 2       | Separation Plate OG 280-318     | Plaque Separation OG 280-318     | 901854-001 |          |
| 3       | Clamp 3 Way 2.5Qmm Green/yellow | Borne 3 Voies 2.5Qmm Verte/jaune | 901710-001 |          |
| 4       | Clamp 4 Way 2.5Qmm Grey         | Borne 4 Voies 2.5Qmm Gris        | 901711-001 |          |
| 5       | Separation Plate OG 280-327     | Plaque Separation OG 280-327     | 901855-001 |          |
| 6       | Clamp 2x2 Way Grey 280-626      | Borne 2x2 Voies Gris 280-626     | 901714-001 |          |
| 7       | Rail TS-35 121mm                | Rail de bornier TS-35 121mm      | 901432-003 |          |
| 8       | Separation Plate Grey 264-386   | Plaque de Separation 264-386     | 901713-001 |          |
| 9       | Clamp 2 Way 2.5Qmm Grey         | Borne 2 Voies 2.5Qmm Gris        | 901709-001 |          |
| 10      | PE Terminal AKE-4 MS            | PE Borne AKE-4 MS                | 900657-001 |          |
| 11      | Rail TS-15 59mm                 | Rail de bornier TS-15 59mm       | 900117     |          |



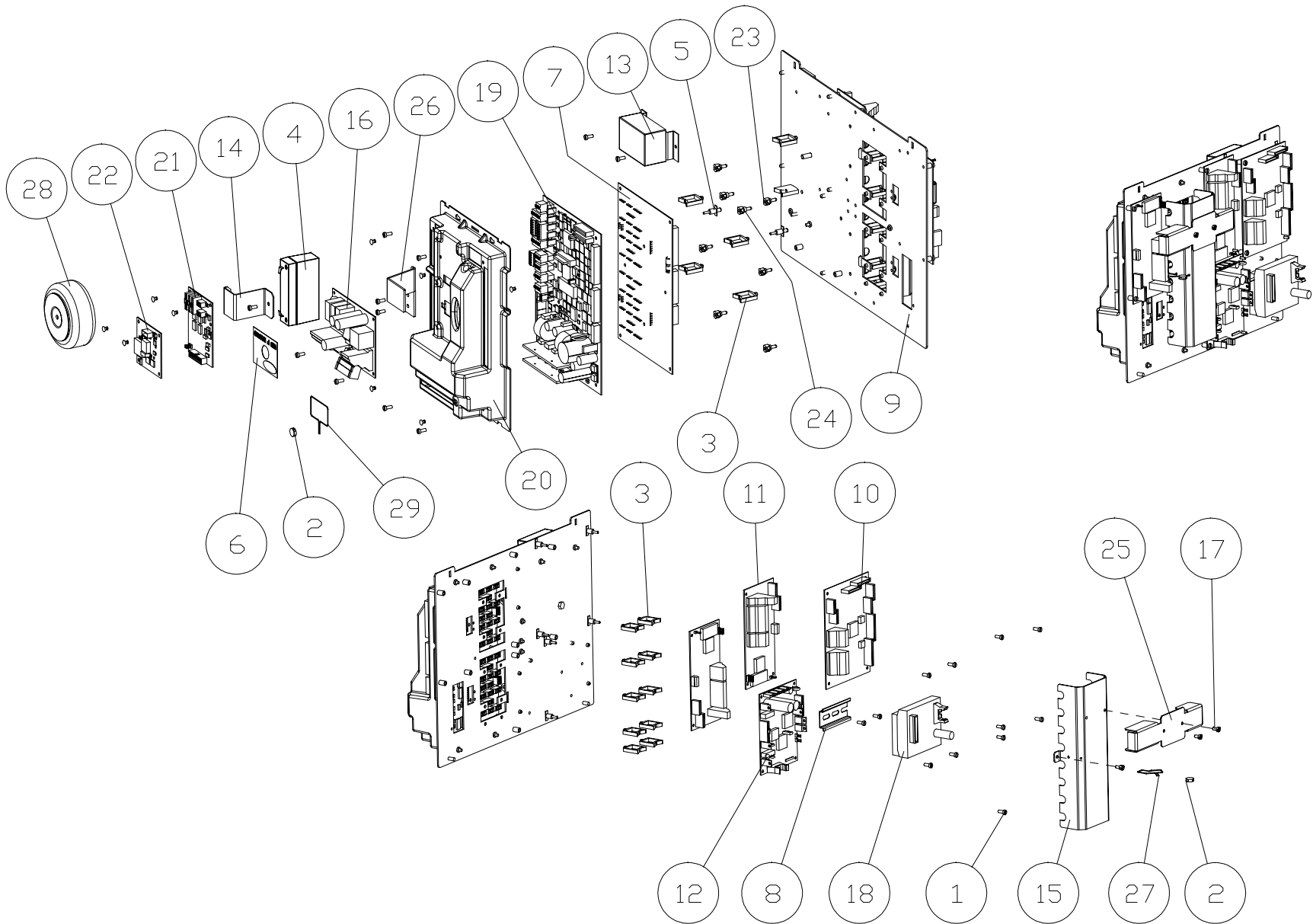
### 5.13 Speaker Junction Box Assembly

| Item No | Description                            | Désignation Français                  | Part No    | Comments |
|---------|----------------------------------------|---------------------------------------|------------|----------|
| 1       | Washer Serr Lock Ext M4                | Rondelle a Dents DEC M4               | 900009-001 |          |
| 2       | Nut Hex Self Lock M4                   | Ecrou Bride Autobloquant M4           | 900013-001 |          |
| 3       | Screw HSHC M4x20                       | Vis CHC M4x20                         | 900017-011 |          |
| 4       | Plug M20 x 1.5 EExE/IP66               | Bouchon PG M20 x 1.5 EExE/IP66        | 900044-001 |          |
| 5       | Plug M25 x 1.5 EExE/IP66               | Bouchon PG M25 x 1.5 EExE/IP66        | 900044-002 |          |
| 6       | Gland M20x1.5 EExe II/IP66-68 1x 5-9mm | PE M20x1.5 Eexe II/IP66-68 1x 5-9mm   | 901478-001 |          |
| 7       | Junction box Bernstein CA150           | Boitier de connection Bernstein CA150 | 901753     |          |
| 8       | Bracket Bernstein box                  | Support boîte de Bernstein            | 902433     |          |
| 9       | Bracket dual Bernstein box             | Support dual Bernstein box            | 903981     |          |



**5.14 Speaker/MiniSat Junction Box Assembly**

| Item No | Description                            | Désignation Français                  | Part No    | Comments |
|---------|----------------------------------------|---------------------------------------|------------|----------|
| 1       | Nut Hex Self Lock M4                   | Ecrou Bride Autobloquant M4           | 900013-001 |          |
| 2       | Screw HSHC M4x20                       | Vis CHC M4x20                         | 900017-011 |          |
| 3       | Plug M20 x 1.5 EExE/IP66               | Bouchon PG M20 x 1.5 EExE/IP66        | 900044-001 |          |
| 4       | Plug M25 x 1.5 EExE/IP66               | Bouchon PG M25 x 1.5 EExE/IP66        | 900044-002 |          |
| 5       | Gland M20x1.5 EExe II/IP66-68 1x 5-9mm | PE M20x1.5 Eexe II/IP66-68 1x 5-9mm   | 901478-001 |          |
| 6       | Bracket junction box                   | Support boîte de jonction             | 902607     |          |
| 7       | Junction box Bernstein CA150           | Boitier de connection Bernstein CA150 | 901753     |          |



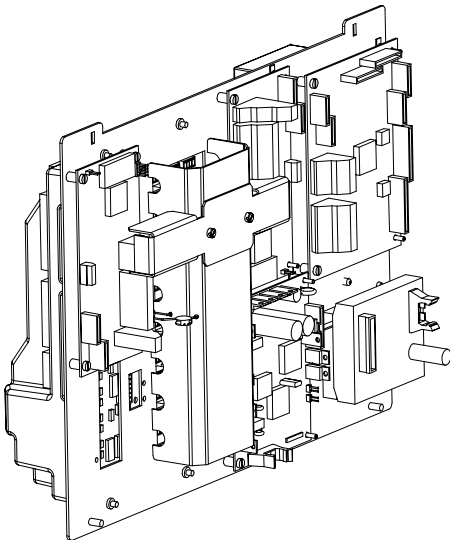
**5.15 Centre Plate Assembly**

| Item No | Description                       | Désignation Français            | Part No    | Comments                              |
|---------|-----------------------------------|---------------------------------|------------|---------------------------------------|
| 1       | Screw SCH M4x10                   | Vis CS M4x10                    | 900007-001 |                                       |
| 2       | Sealing Lead                      | Plomb à pincer                  | 900040     |                                       |
| 3       | Wire Clip on Base Gen             | Fixation câble sur Base Gen     | 900058     |                                       |
| 4       | Battery 6V 1.2Ah                  | Battery 6V 1.2Ah                | 900075-001 |                                       |
| 5       | Locking Circuit Support Gen       | Tabl circ verrouil Support Gen  | 900456     |                                       |
| 6       | Sticker void if removed           | Le vide d autocollant si enlev  | 901408     |                                       |
| 7       | WWC IO Board V5                   | WWC IO Monter V5                | 901410     |                                       |
| 8       | Rail TS 35 Gen                    | Rail TS 35 Gen                  | 901432     |                                       |
| 9       | WWC Centre Plate version 3        | WWC Centre plaquer version 3    | 901433     | Refer to list of Centre Plate options |
| 10      | OCB (Option Controller Board)     | Le Controlleur d'option Monte   | 901538     |                                       |
| 11      | HOM (Hydraulic Option Module)     | Module Hydraulique d'option     | 901539     |                                       |
| 12      | ECVR Board                        | ECVR monte                      | 901540     |                                       |
| 13      | WWC Zener PCB                     | WWC Zener PCB                   | 901544     |                                       |
| 14      | Bracket Battery Caclulator        | Encadrer Calc de Batterie       | 901545     |                                       |
| 15      | WWC Cable Cover                   | WWC Cable couverture            | 901546     |                                       |
| 16      | HVU (High Voltage Unit) Relay     | L'unité Haute de Voltage Relay  | 901548     |                                       |
|         | HVU (High Voltage Unit) Std       | L'unité Haute de Voltage Std    | 901549     |                                       |
|         | HVU (High Voltage Unit) LPG       | L'unité Haute de Voltage GPL    | 901550     |                                       |
| 17      | M4x8 Sealing Screw 5-8 St Zn      | M4x8 Scellant Vis 5-8 St Zn     | 901551-001 |                                       |
| 18      | VFM Zener Barrier                 | VFM Zener Barriere              | 901552     |                                       |
| 19      | WWC Main Board                    | WWC Principal monter            | 901553     |                                       |
| 20      | WWC 251 Cover                     | WWC 251 Couvrir                 | 901559     |                                       |
| 21      | IEB/IO Ext Board                  | IEB/IO Ext Monte                | 901561     |                                       |
| 22      | WWC Comms Board                   | WWC Communication Monter Gen    | 901562     | Refer to list of software options     |
| 23      | 9.5mm Nylon board support         | 9.5mm Nylon monter soutien      | 901563-001 |                                       |
| 24      | 11mm Nylon board support          | 11mm Nylon monter soutien       | 901563-002 |                                       |
| 25      | WWC HOM Sealing Bkt               | WWC HOM Joint Encadrer          | 902435     |                                       |
| 26      | Bracket Pulser Connection Sealing | Encadrer Pulser Connexion Joint | 903048     |                                       |
| 27      | Cover Wire Seal                   | Couvrir Cachet Metallique       | -          |                                       |
| 28      | Toroidal Power Transformer        | Toroidal Transformateur         | 901541     |                                       |
| 29      | Wire Seal                         | Cachet Metallique               | -          |                                       |

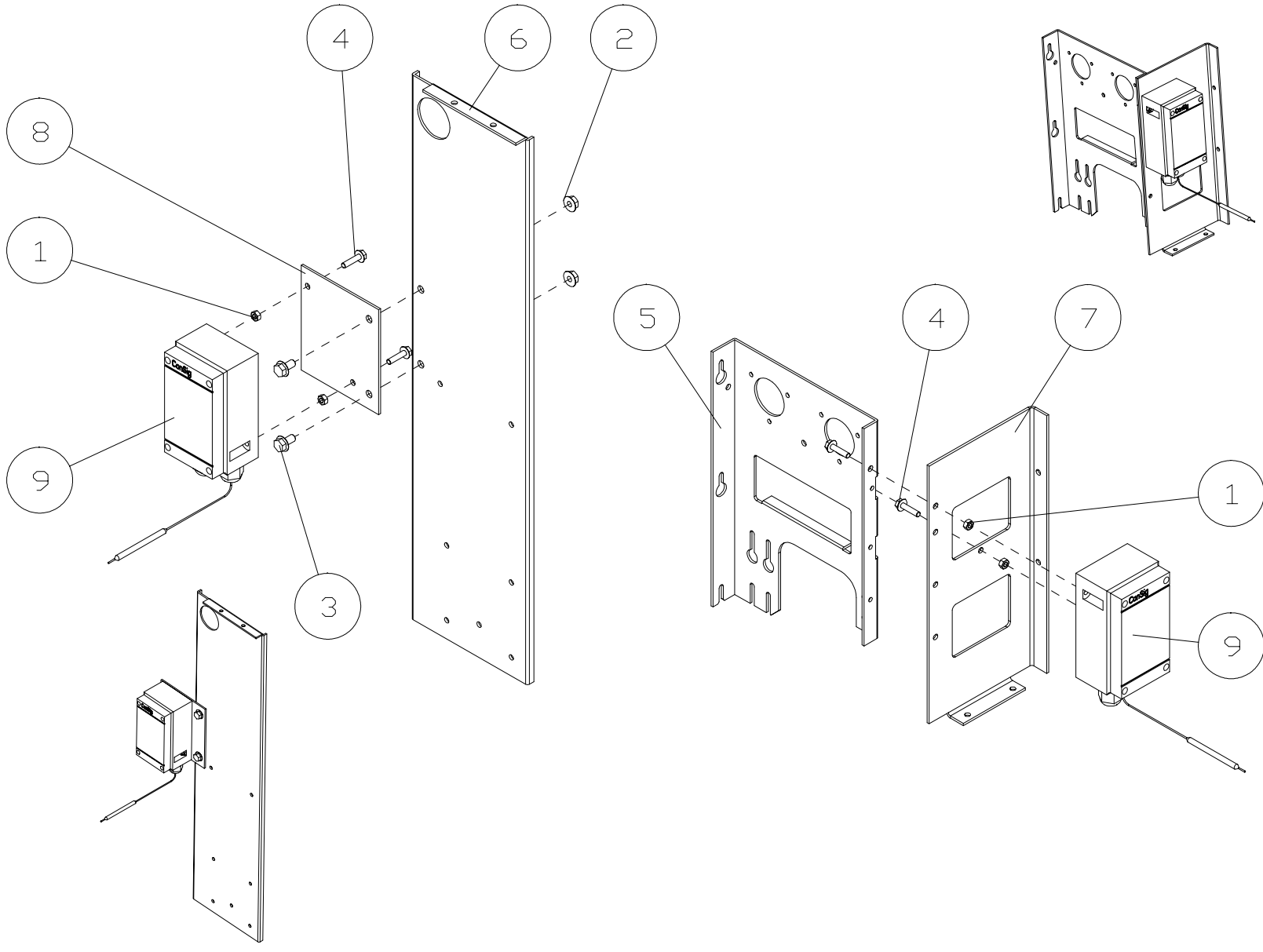
## 5.16 Centre Plate Alternatives

| Description            | Désignation Français  | Part No | Comments     |
|------------------------|-----------------------|---------|--------------|
| WWC CP Assy 3-4 Pr STD | WWC CP Asm 3-4 Pr STD | 901434  |              |
| WWC CP Assy 1-2 Pr STD | WWC CP Asm 1-2 Pr STD | 901435  |              |
| WWC CP Assy 1-2 Pr LPG | WWC CP Asm 3-4 Pr GPL | 901437  |              |
| WWC CP Assy 3-4 Pr LPG | WWC CP Asm 1-2 Pr GPL | 901439  |              |
| WWC CP Version 3       | WWC CP Ver 3          | 901433  |              |
| WWC CP 3-4 Pr STD ZSR  | WWC CP 3-4 Pr STD ZSR | 902540  | Germany only |
| WWC CP 3-4 Pr LPG ZSR  | WWC CP 3-4 Pr GPL ZSR | 902541  | Germany only |
| WWC CP STD 1-2H ZSR    | WWC CP STD 1-2H ZSR   | 902543  | Germany only |
| WWC CP LPG 1-2H ZSR    | WWC CP GPL 1-2H ZSR   | 902544  | Germany only |
| WWC CP 3-4 Pr STD EPS  | WWC CP 3-4 Pr STD EPS | 902546  | Germany only |
| WWC CP LPG EPS         | WWC CP GPL EPS        | 902547  | Germany only |
| WWC CP STD 1-2H EPS    | WWC CP STD 1-2H EPS   | 902549  | Germany only |
| WWC CP LPG 1-2H EPS    | WWC CP GPL 1-2H EPS   | 902550  | Germany only |
| WWC CP 3-4 Pr STD TOK  | WWC CP 3-4 Pr STD TOK | 902552  | Germany only |
| WWC CP LPG TOK         | WWC CP GPL TOK        | 902553  | Germany only |
| WWC CP STD 1-2H TOK    | WWC CP STD 1-2H TOK   | 902555  | Germany only |
| WWC CP LPG 1-2H TOK    | WWC CP GPL 1-2H TOK   | 902556  | Germany only |
| WWC CP 3-4 Pr STD ER3  | WWC CP 3-4 Pr STD ER3 | 902558  | Germany only |
| WWC CP LPG ER3         | WWC CP GPL ER3        | 902559  | Germany only |
| WWC CP STD 1-2H ER3    | WWC CP STD 1-2H ER3   | 902561  | Germany only |
| WWC CP LPG 1-2H ER3    | WWC CP GPL 1-2H ER3   | 902562  | Germany only |
| WWC CP 3-4 Pr STD S&B  | WWC CP 3-4 Pr STD S&B | 902564  | Germany only |
| WWC CP LPG S&B         | WWC CP GPL S&B        | 902565  | Germany only |
| WWC CP STD 1-2H S&B    | WWC CP STD 1-2H S&B   | 902567  | Germany only |
| WWC CP LPG 1-2H S&B    | WWC CP GPL 1-2H S&B   | 902568  | Germany only |

5.17 Communications Software Alternatives



| Description          | Désignation Français | Part No | Comments |
|----------------------|----------------------|---------|----------|
| LON/IFSF             | LON/IFSF             | 902254  |          |
| M32/M3000            | M32/M3001            | 902255  |          |
| FM                   | FM                   | 902256  |          |
| Kienzle/ER3/S&B/DOMS | Kienzle/ER3/S&B/DOMS | 902257  |          |
| Autotank             | Autotank             | 902258  |          |
| Dresser/EPS          | Dresser/EPS          | 902259  |          |
| TOK                  | TOK                  | 902260  |          |
| LOG                  | LOG                  | 902261  |          |
| EIN/82D/Sofitam      | EIN/82D/Sofitam      | 900329  |          |



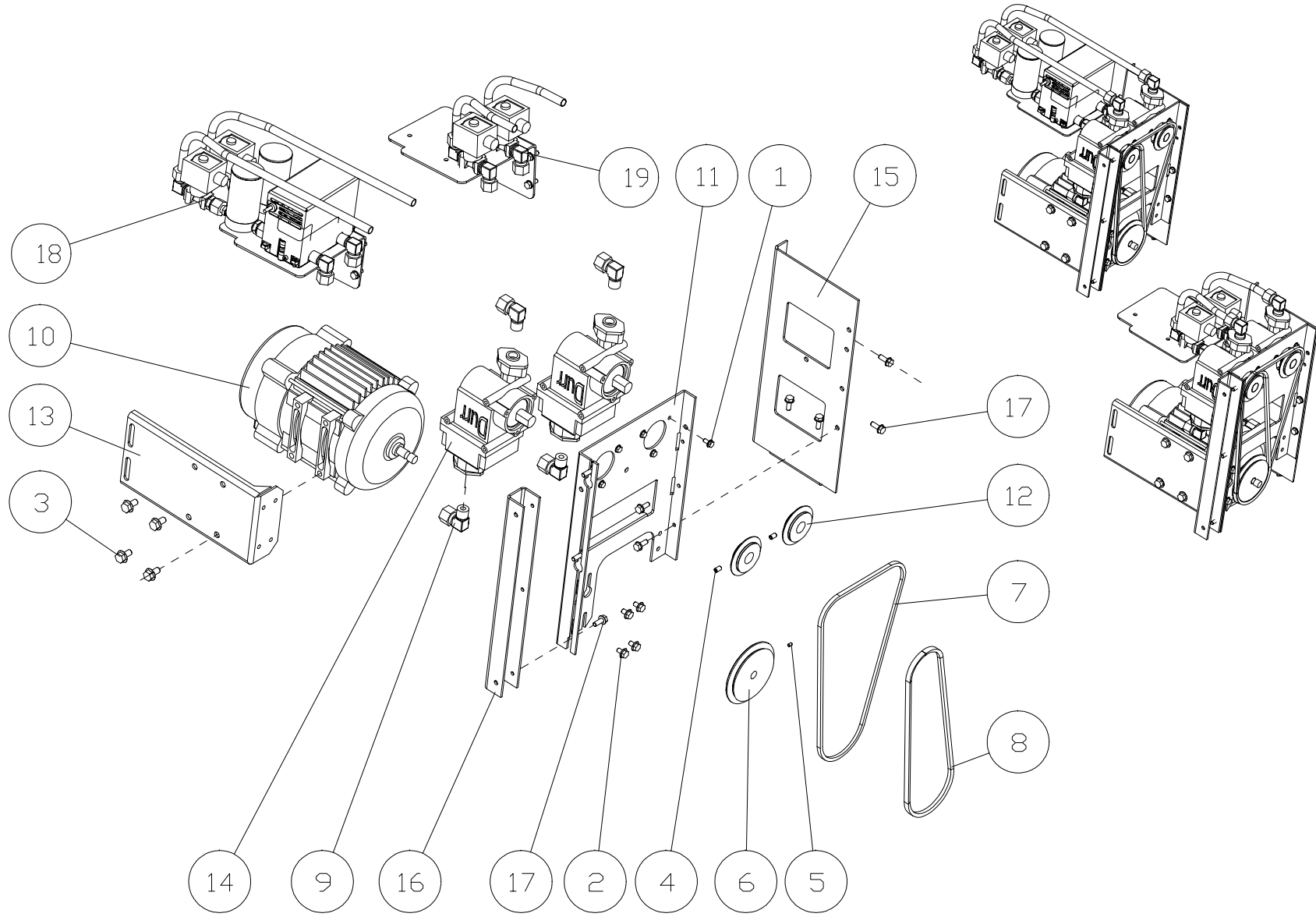
**5.18 Fire Detection Assembly**

| Item No | Description                    | Désignation Français        | Part No    | Comments                        |
|---------|--------------------------------|-----------------------------|------------|---------------------------------|
| 1       | Nut Hex M6                     | Ecrou H M6                  | 900011-001 |                                 |
| 2       | Nut Hex Self Lock M6           | Ecrou Bride Autobloquant M6 | 900013-003 |                                 |
| 3       | Screw HFHSL M8x16              | Vis Hex Br Autobl M8x16     | 900016-006 |                                 |
| 4       | Screw HFHSL M6x25              | Vis Hex Br Autobl M6x25     | 900016-014 |                                 |
| 5       | ECVR Frame                     | Chassis ECVR                | 900291     | For double fire detection units |
| 6       | Vertical Frame Hydr End        | Chassis Vertic Extr Hydr    | 900369     |                                 |
| 7       | Support Bracket ECVR           | Chassis Support ECVR        | 900437     | For double fire detection units |
| 8       | Fire Detector Mounting Bracket | Support de detecteur        | 903263     | For single fire detection unit  |
| 9       | Fire Detector - Stahl          | Detection de Feu            | 903291     |                                 |

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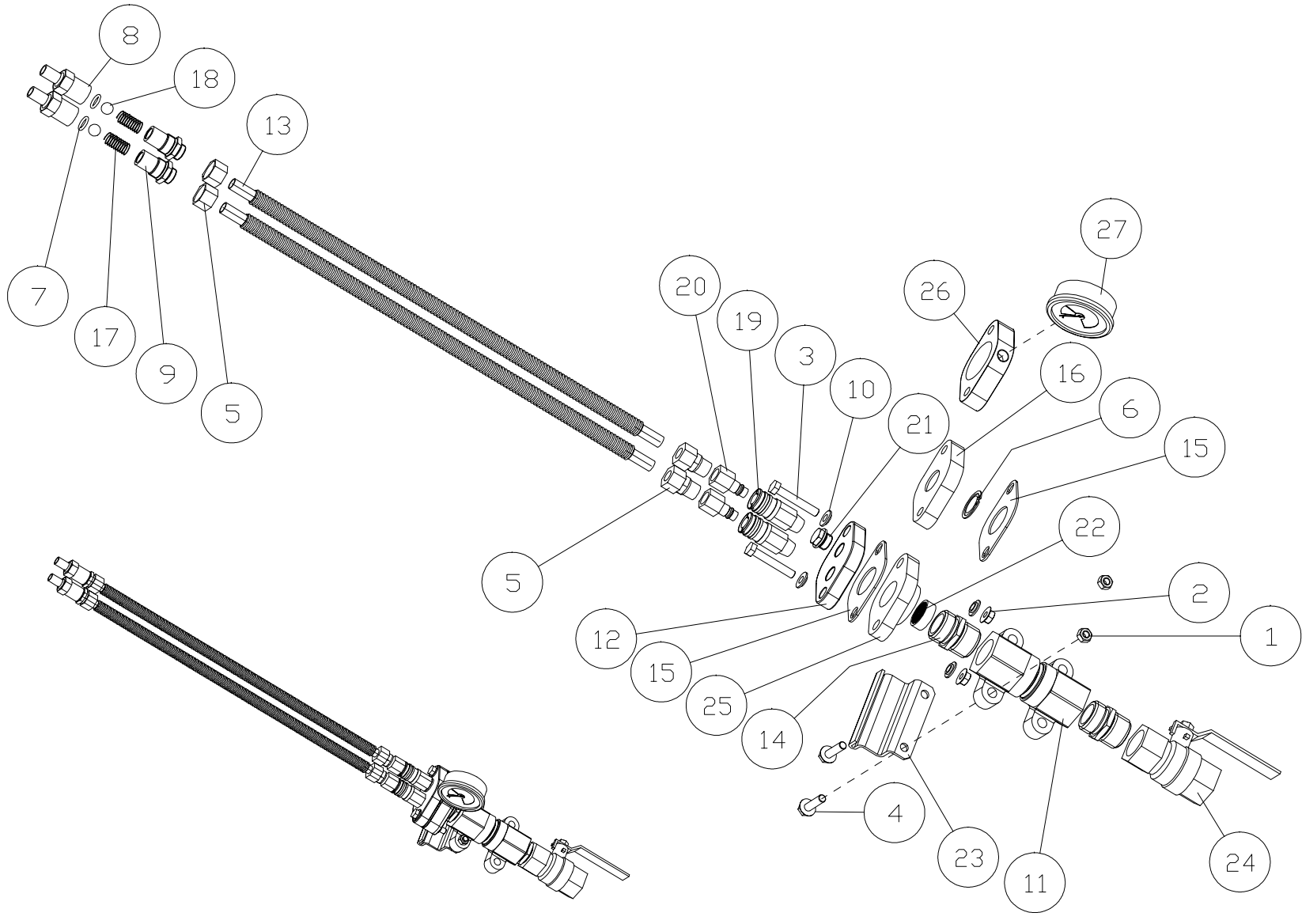
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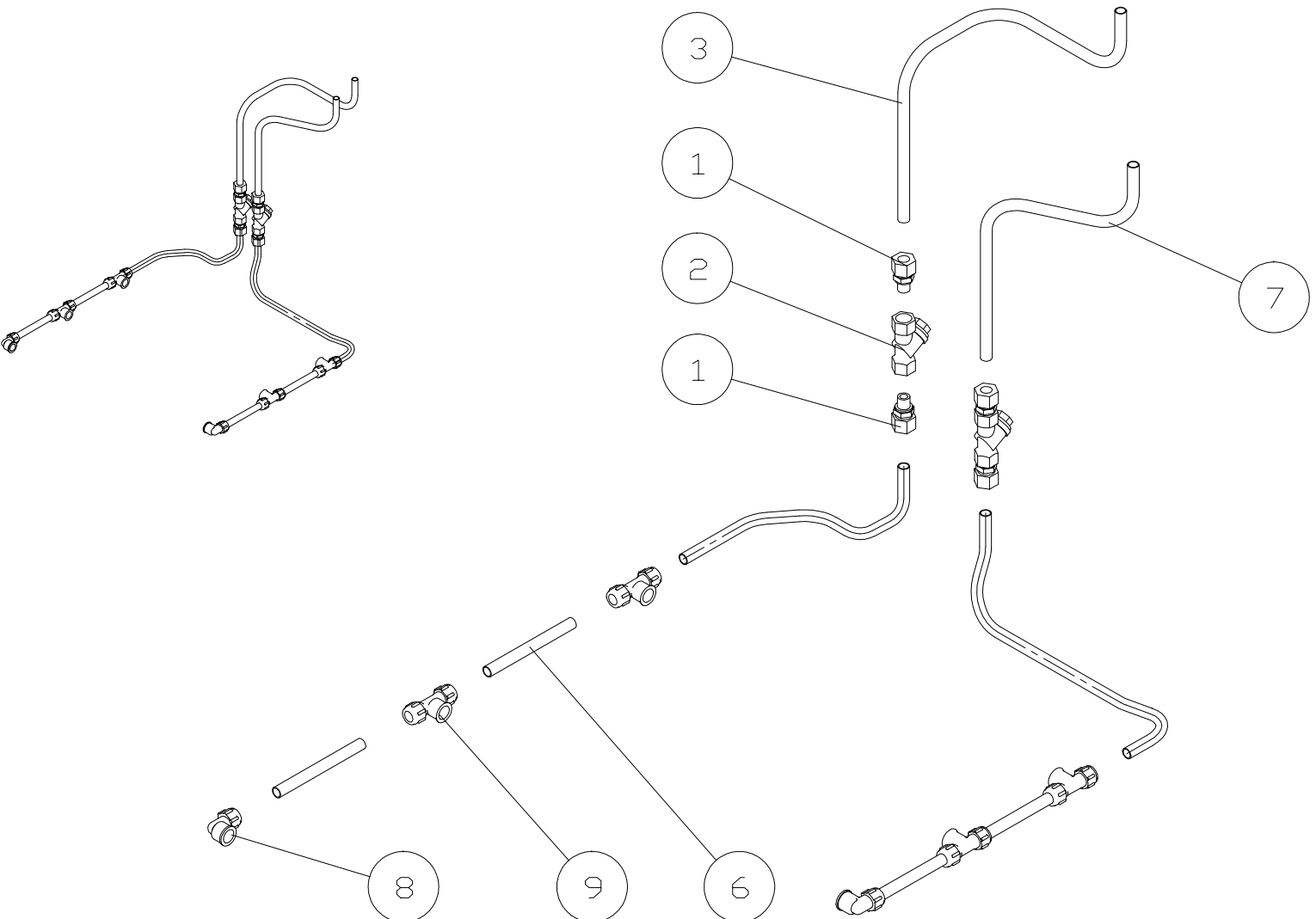
## 6.1 VR Pump Assembly

| Item No | Description                                                                             | Désignation Français                                                                    | Part No                            | Comments                                                     |
|---------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------|--------------------------------------------------------------|
| 1       | Screw HFHSL M5x10                                                                       | Vis Hex Br Autobl M5x10                                                                 | 900016-001                         |                                                              |
| 2       | Screw HFHSL M6x10                                                                       | Vis Hex Br Autobl M6x10                                                                 | 900016-003                         |                                                              |
| 3       | Screw HFHSL M8x16                                                                       | Vis Hex Br Autobl M8x16                                                                 | 900016-006                         |                                                              |
| 4       | Screw HSS Cup Point M6x10                                                               | Vis HCCU M6x10                                                                          | 900019-001                         |                                                              |
| 5       | Screw HSS Cup Point M4x6                                                                | Vis HCCU M4x6                                                                           | 900019-002                         |                                                              |
| 6       | Pulley V-Belt VR Pump                                                                   | Poulie gor courr trap VR Pompe                                                          | 900027                             |                                                              |
| 7       | V-Belt - 8 x 5 x 800                                                                    | Courroie - 8 x 5 x 800                                                                  | 900028-001                         | Double-sided                                                 |
| 8       | V-Belt - 8 x 5 x 710                                                                    | Courroie - 8 x 5 x 710                                                                  | 900028-002                         | Single-sided                                                 |
| 9       | Elbow Compr 1/4" BSPM 12mm                                                              | EQ-PIQ-M12-1/4                                                                          | 900031-001                         |                                                              |
| 10      | Motor EXD 0.25kW Star 400V 3cl<br>Motor EXD 0.25kW Delta 400V 3cl<br>Elnor 0.37KW Motor | Mot EXD 0.25kW Star 400V 3cl<br>Mot EXD 0.25kW Delta 400V 3cl<br>Elnor Moteur De 0.37KW | 900060-001<br>900068-001<br>903168 | Three Phase Motor<br>Three Phase Motor<br>Single Phase Motor |
| 11      | ECVR Frame                                                                              | Chassis ECVR                                                                            | 900291                             |                                                              |
| 12      | Pulley VR pump Dm 61mm                                                                  | Poulie pompe GR Dm 61mm                                                                 | 900293                             |                                                              |
| 13      | Motor bracket Q500T                                                                     | Motor support Q500T                                                                     | 900294                             |                                                              |
| 14      | Durr pump MEX 0831-11                                                                   | Pompe Durr MEX 0831-11                                                                  | 900295                             |                                                              |
| 15      | Support Bracket ECVR                                                                    | Chassis support ECVR                                                                    | 900437                             |                                                              |
| 16      | Support Bracket ECVR                                                                    | Chassis support ECVR                                                                    | 900438                             |                                                              |
| 17      | Screw HFHTF M6x16                                                                       | Vis Hex Taraudeuse M6x16                                                                | 900708-003                         |                                                              |
| 18      | Q500T VR Assy VFM                                                                       | Q500T RV VFM asm                                                                        | -                                  | Refer to VFM drawing                                         |
| 19      | Standard VR Solenoid assy                                                               | RV EV asm Std                                                                           | -                                  | Refer to VR Solenoid valve drawing                           |



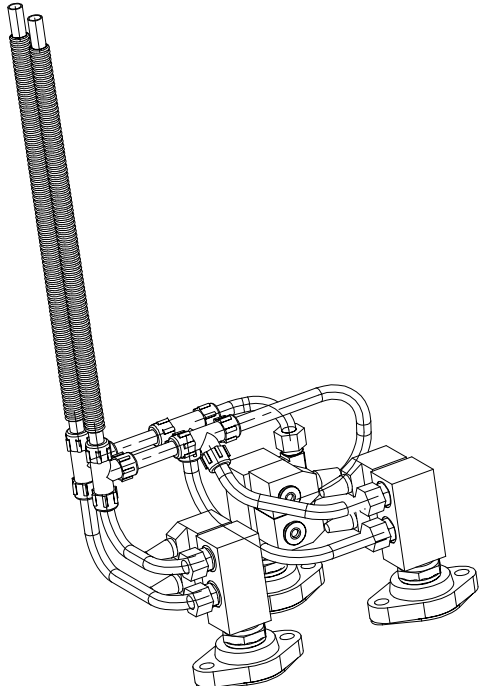
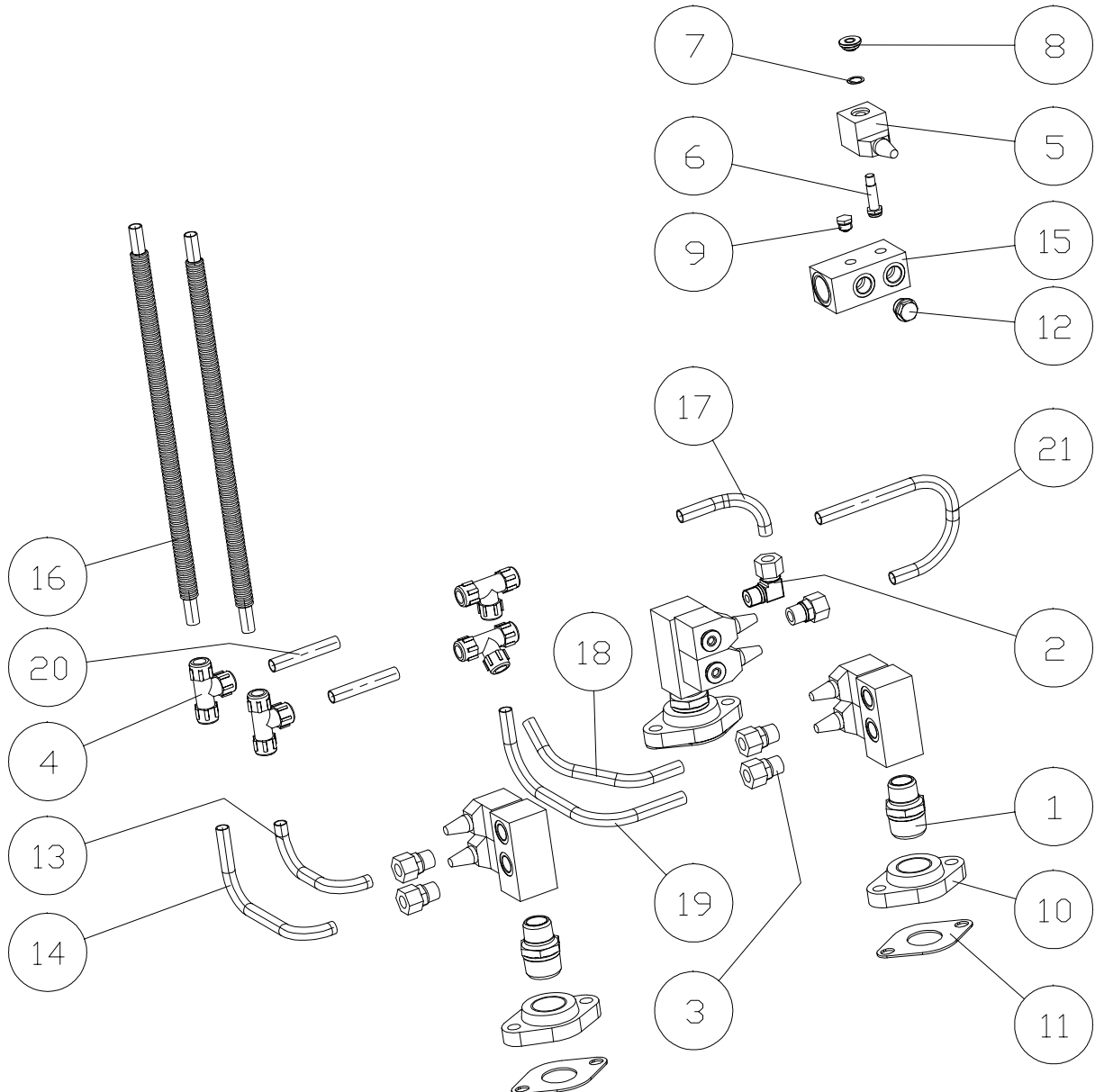
## 6.2 VR Return Line Assembly

| Item No | Description                      | Désignation Français          | Part No    | Comments                                         |
|---------|----------------------------------|-------------------------------|------------|--------------------------------------------------|
| 1       | Nut Hex M8                       | Ecrou H M8                    | 900011-003 | Shear valve option only                          |
| 2       | Nut Hex Self Lock M8             | Ecrou Bride Autobloquant M8   | 900013-004 |                                                  |
| 3       | Screw HH M8x50                   | Vis H M8x50                   | 900015-005 |                                                  |
| 4       | Screw HFHSL M8x30                | Vis Hex Br Autobl M8x30       | 900016-008 | Shear valve option only                          |
| 5       | Straight Compr 3/8" BSP 12mm     | Rac Piq Male 12 - 3/8         | 900032-001 |                                                  |
| 6       | Ring Retain Bore D30             | Anneau Elast Int D30          | 900049-003 | Non-shear valve option only                      |
| 7       | O-ring 11.00x2.50                | Joint Torique 11.00x2.50      | 900050-029 |                                                  |
| 8       | Non return Valve VR-female       | Clapet non retour femelle RV  | 900296     |                                                  |
| 9       | Non return Valve VR-male         | Clapet de non retour male RV  | 900297     |                                                  |
| 10      | Insulation Sleeve 8.2mm          | Manchon Isolant 8.2mm         | 900758-003 |                                                  |
| 11      | Shear Valve (VR)                 | Raccord Cassant (RV)          | 901109     | Shear valve option only                          |
| 12      | Flange - VR return               | Bride retour RV               | 901596     |                                                  |
| 13      | Flexible outlet VR pump assy     | Flexible sortie pompe RV assy | 901597     |                                                  |
| 14      | Nipple 22mm G1"-G1"              | Douille 22 mm G1"-G1"         | 901772     | Shear valve option only                          |
| 15      | Gasket - Flange 78-82            | Joint de bride 78-82          | 901859     | Non-shear valve option only                      |
| 16      | Flange - VR flame arrestor       | Bride pare-flamme RV          | 901860     | Non-shear valve option only                      |
| 17      | Spring ecvr non-return valve     | Ressort clapet anti-retour RV | 901923     |                                                  |
| 18      | Ball (d=12)                      | Bille (d=12)                  | 901924     |                                                  |
| 19      | Connector - Quick release female | Raccord rapide femelle        | 901954     |                                                  |
| 20      | Connector - Quick release male   | Raccord rapide male           | 901955     |                                                  |
| 21      | Plug hyd 3/8" BSP cyl            | Rac bouch 3/8" BSP cyl        | 902001-001 |                                                  |
| 22      | Flame arrestor VR                | Pare Flamme RV                | 902002     |                                                  |
| 23      | Bracket shear valve VR (UK)      | Support shear valve VR UK     | 902626     | Shear valve option only                          |
| 24      | Valve                            | Vanne                         | 902681     | Shear valve option only                          |
| 25      | Flange                           | Bride                         | 902682     | Shear valve option only                          |
| 26      | Flange - VR flow measure         | RV Bride de mesure debit      | 903068     | VR Pressure Monitoring Point & Gauge only        |
| 27      | Manometer 0-100 mbar             | Manometer 0-100 mbar          | 903069     | VR Pressure Monitoring Point & Gauge only        |
| 28      | Loctite Glue for Manometer       | Adhesif pour manometer        | -          | Not shown - for VR Pressure Monitor Point option |



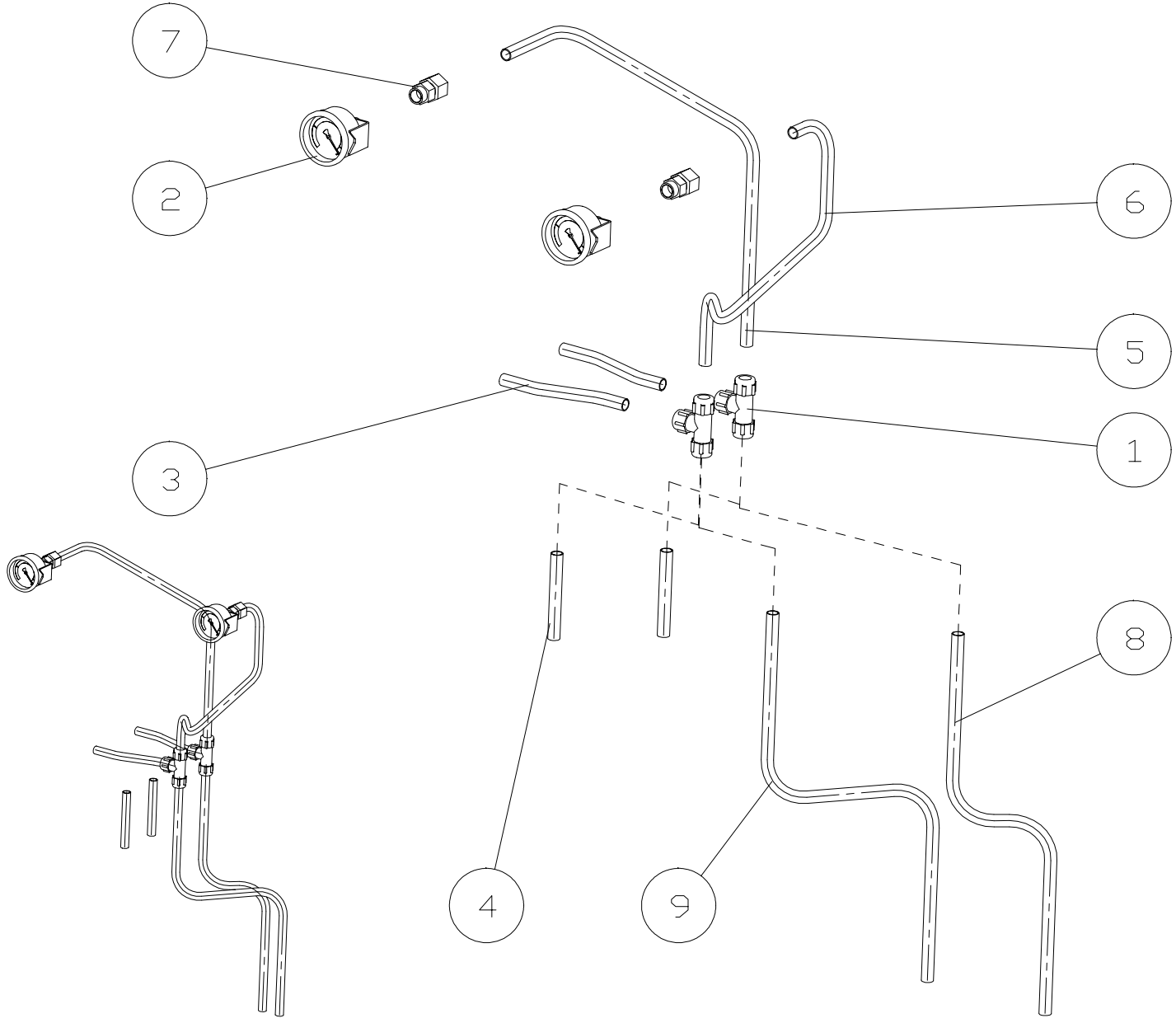
### 6.3 VR Suction Line Assembly

| Item No | Description                                | Désignation Français                       | Part No          | Comments     |
|---------|--------------------------------------------|--------------------------------------------|------------------|--------------|
| 1       | Straight Compr 1/4" BSP 12mm               | Rac Piq Male 12 - 1/4                      | 900032-002       |              |
| 2       | VR Filter                                  | VR Filtre                                  | 900037           |              |
| 3       | VR pipe filter VFM A<br>GRVP Pipe 12mm RHS | VR tube filter VFM A<br>GRVP Tube 12mm RHS | 900442<br>903064 | ECVR<br>GRVP |
| 4       | Pipe VR col filter A                       | Tube VR col filter A                       | 900443           |              |
| 5       | Pipe VR col filter B                       | Tube VR col filter B                       | 900444           |              |
| 6       | VR pipe col col                            | Tube VR col col                            | 900445           |              |
| 7       | VR pipe filter VFM B<br>GRVP Pipe 12mm LHS | VR tube filter VFM B<br>GRVP Tube 12mm LHS | 900449<br>903065 | ECVR<br>GRVP |
| 8       | Coupling Elb compr                         | Raccord Equerre egale                      | 901599           |              |
| 9       | Coupling T Compr 12*3/8F*12                | Rac T Egal 12*3/8F*12                      | 901600-001       |              |



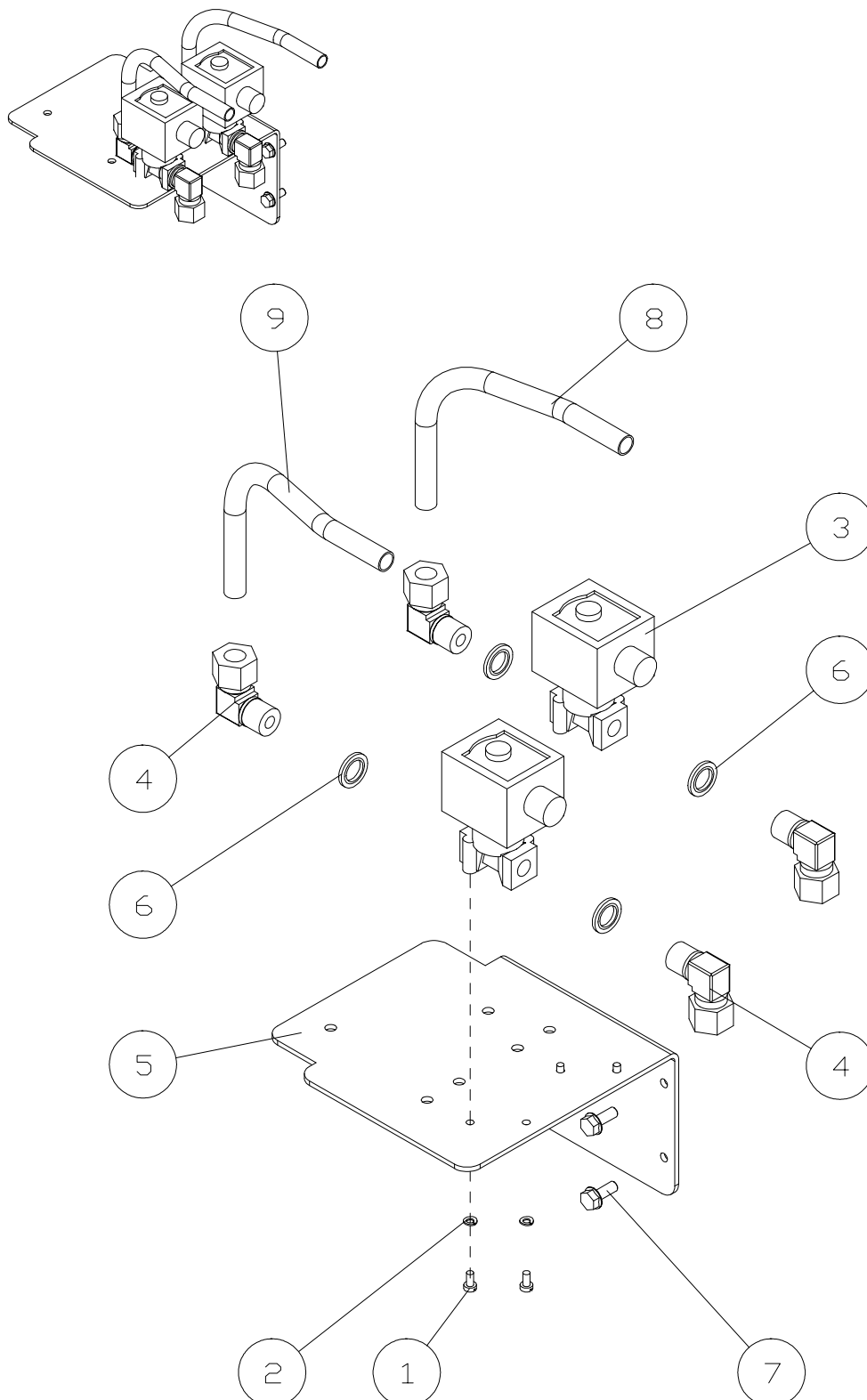
## 6.4 VR per Product Option

| Item No | Description                  | Désignation Français             | Part No    | Comments        |
|---------|------------------------------|----------------------------------|------------|-----------------|
| 1       | Nipple 3/4"-1" BSPM          | Rac Mam 3/4-1                    | 900030-002 |                 |
| 2       | Elbow Compr 3/8" BSPM 12mm   | EQ-PIQ-M12-3/8                   | 900031-002 |                 |
| 3       | Straight Compr 3/8" BSP 12mm | Rac Piq Male 12 - 3/8            | 900032-001 |                 |
| 4       | T Compr 12x12x12             | Rac Te Egal D12                  | 900035-001 |                 |
| 5       | Coil 24V EEx m 11 T4 Fuse    | Bobine 24V EEx m 11 T4 Fuse      | 900082     |                 |
| 6       | Plungerhouse + plunger       | Plongeur complete                | 900723     |                 |
| 7       | Spring for plunger           | Ressort de plongeur              | 900724     |                 |
| 8       | Nut for plunger              | Ecrou par plongeur               | 900725     |                 |
| 9       | Stop+seal inline valve       | Bouchon soupape                  | 900726     |                 |
| 10      | Flange 1" 78mm               | Bride 1" 78mm                    | 901320-001 |                 |
| 11      | Gasket - Flange 78-82        | Joint de bride 78-82             | 901859     |                 |
| 12      | Plug hyd G 3/8"              | Rac bouch G 3/8"                 | 902001-001 |                 |
| 13      | Pipe 12mm per product 2      | Tube 12mm RV par produit 2       | 903040     |                 |
| 14      | Pipe 12mm VR per product 3   | Tube 12mm RV par produit 3       | 903041     |                 |
| 15      | Danfoss Valve 2 in 1 out     | Danfoss soupape 2 dans 1 hors de | 903055     |                 |
| 16      | Flexible outlet VR pump assy | Flexible sortie pomperv asm      | 903125     |                 |
| 17      | VR pipe 3 product 1          | RV tube 3 produit 1              | 903127     | 3 products only |
|         | Pipe 12mm VR per product 1   | Tube 12mm RV per produit 1       | 903039     | 2 products only |
| 18      | VR pipe 3 product 2          | RV tube 3 produit 2              | 903128     | 3 products only |
| 19      | VR pipe 3 product 3          | RV tube 3 produit 3              | 903129     | 3 products only |
| 20      | VR pipe 3 product 4          | RV tube 3 produit 4              | 903130     | 3 products only |
| 21      | Pipe 12mm VR per product 4   | Tube 12mm RV par produit 4       | 903131     | 3 products only |
|         | Pipe 12mm VR per product 4   | Tube 12mm RV par produit 4       | 903042     | 2 products only |



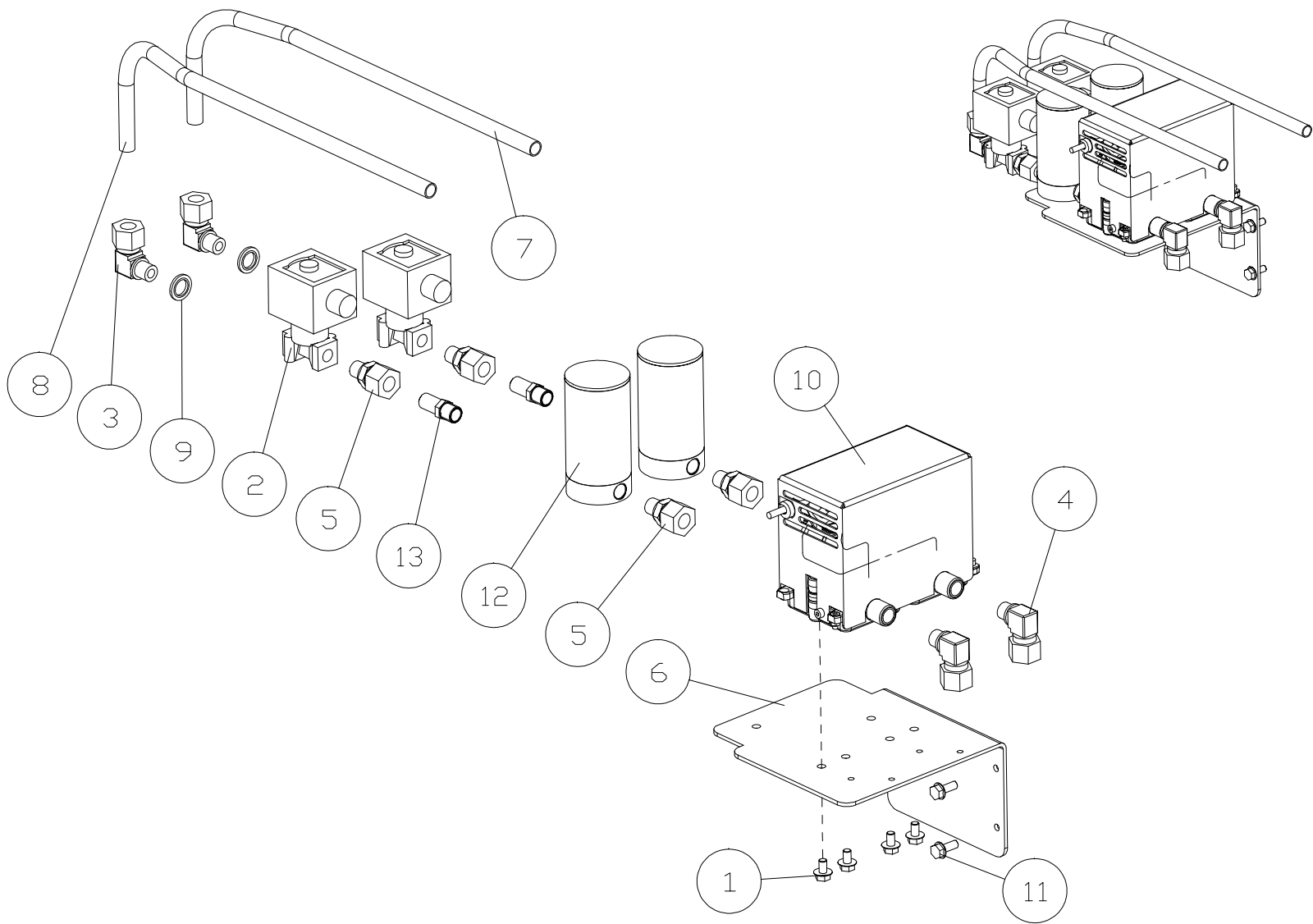
## 6.5 VR Pressure Gauge

| Item No | Description                    | Désignation Français         | Part No    | Comments  |
|---------|--------------------------------|------------------------------|------------|-----------|
| 1       | T Compr 12x12x12               | Rac Te Egal D12              | 900035-001 |           |
| 2       | Vacuum gauge incl bracket      | Jauge sous vide avec support | 902802     |           |
| 3       | Pipe 1 - Pressure gauge option | Tube 1 - indicateur option   | 903024     |           |
| 4       | Pipe 2 - pressure gauge option | Tube 2 indicateur option     | 903025     | ECVR only |
| 5       | Pipe 3 - pressure gauge option | Tube 3 - indicateur option   | 903026     |           |
| 6       | Pipe 4 - pressure gauge option | Tube 4 - indicateur option   | 903027     |           |
| 7       | Pzr Gauge Adaptor EO2          | PZR Indicateur Adapteur EO2  | 903029-001 |           |
| 8       | GRVP Pipe 12mm Italian RHS     | GRVP Tube 12mm Italian RHS   | 903073     | GRVP only |
| 9       | GRVP Pipe 12mm Italian LHS     | GRVP Tube 12mm Italian LHS   | 903074     | GRVP only |



**6.6 ECVR Standard Solenoid Valve Arrangement**

| Item No | Description                | Désignation Français      | Part No    | Comments |
|---------|----------------------------|---------------------------|------------|----------|
| 1       | Screw SCH M4x8             | Vis CS M4x8               | 900007-003 |          |
| 2       | Washer Curv Spr Lock M4    | Rondelle Elast Cintree M4 | 900010-002 |          |
| 3       | Proport Valve ECVR         | Soupape Proport ECVR      | 900029-001 |          |
| 4       | Elbow Compr 3/8" BSPM 12mm | EQ-PIQ-M12-3/8            | 900031-002 |          |
| 5       | Support Bracket VFM        | Support Bracket VFM       | 900436     |          |
| 6       | Dowty seal self centre gen | Dowty joint torique gen   | 900450     |          |
| 7       | Screw HFHTF M6x16          | Vis Hex Taradeuse M6x16   | 900708-003 |          |
| 8       | VR_pipe_valve_ECVR_B_s     | VR_tube_soupape_ECVR_B_s  | 901729     |          |
| 9       | VR_pipe_valve_ECVR_A_s     | VR_tube_soupape_ECVR_A_s  | 901730     |          |



## 6.7 ECVR Vapour Flow Meter Option

| Item No | Description                  | Désignation Français           | Part No    | Comments |
|---------|------------------------------|--------------------------------|------------|----------|
| 1       | Screw HFHSL M6x10            | Vis Hex Br Autobl M6x10        | 900016-003 |          |
| 2       | Proport Valve ECVR           | Soupape Proport ECVR           | 900029     |          |
| 3       | Coupling Elbow Compression   | raccord Equerre a Piquage Male | 900031     |          |
| 4       | Elbow Compr 1-4" BSPM 12mm   | EQ-PIQ-M12-1-4                 | 900031-001 |          |
| 5       | Straight Compr 1/4" BSP 12mm | RacPiq Male 12 - 1/4           | 900032-002 |          |
| 6       | Support Bracket VFM          | Support Bracket VFM            | 900436     |          |
| 7       | Pipe_VR_Valve_ECVR_A         | Tube_VR_Soupape_ECVR_A         | 900447     |          |
| 8       | Pipe_VR_Valve_ECVR_B         | Tube_VR_Soupape_ECVR_B         | 900448     |          |
| 9       | Dowty seal self centre gen   | Dowty joint torique gen        | 900450     |          |
| 10      | VFM 2 Assy                   | VFM - 2 assemble               | 900452     |          |
| 11      | Screw HFHTF M6x16            | Vis Hex Taradeuse M6x16        | 900708-003 |          |
| 12      | Damping Vessel               | Recipient                      | 901053     |          |
| 13      | Threaded pipe 12-1/4"        | Tube a vis de filet 12-1/4"    | 901754-001 |          |

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