



Quantum 310



Parts Manual



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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 & Framework

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

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.

1.1.1 DRAWING INTERPRETATION

This Parts Manual is designed to show the maximum number of options and configurations using the minimum number of drawings. Therefore in many cases, the drawings will not correspond to a particular dispenser configuration and the engineer must take care to identify the required arrangement on the drawing.

For clarity, the following guidelines have been applied to the Parts Manuals:-

- Item quantities are not shown on the drawings or parts lists.
- If there are multiple sub-assemblies displayed on the same drawing then only one instance is exploded.
- Where possible, duplication has been avoided.

1.2 Product Scope

The equipment and models covered by the contents of this manual are the Quantum 310 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
	No naked flames	Visible from both sides of dispenser
	Do not spill fuel on the ground	Visible from both sides of dispenser
	Smoking forbidden	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

**For more information see User
Manual available at this station**

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 2006/42/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 BS 60079-0 (Electrical Apparatus for explosive gas 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, and has received Quality Assurance Notification from a Notified Body.

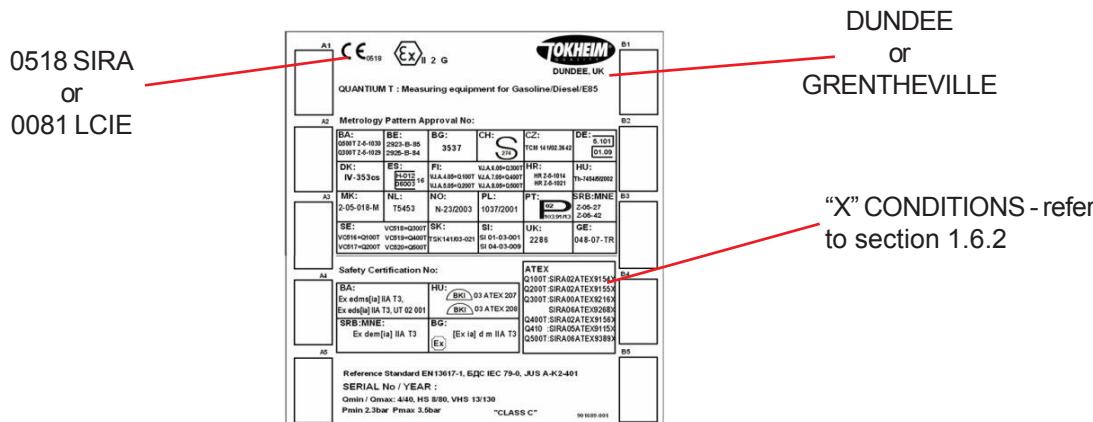
No modification to the dispenser may be performed without express permission from Tokheim and must always use original components or Tokheim retrofit kits. Failure to comply with the above will invalidate product conformance with the relevant European Directives and Tokheim will no longer accept product liability.

1.6.1 DISPENSER MARKING FOR THE ATEX DIRECTIVE

The dispenser is labelled by Tokheim in accordance with the requirements of the ATEX Directive. This labelling includes:-

- The CE mark (CE conformity)
- The specific explosion protection mark, together with the mark indicating the equipment group and category; and, relating to equipment group II, the letter "G" (concerning explosive atmospheres caused by gases and vapours)
- The "Tokheim" name or logo and manufacturing location
- The dispenser type and serial number including the year of production

Labels can either be plastic stickers or metal plates and may vary according to national requirements. A typical example of a label follows:-



1.6.2 SPECIAL CONDITIONS FOR SAFE USE

Certain models include Special Conditions for Safe Use which must be observed prior to putting the dispensers into operation. Failure to do so will invalidate the ATEX certification of the dispenser. These models can be identified by an X at the end of the certificate number as shown on the dispenser typeplate.

The Special Conditions for Safe Use are identified in the ATEX EC Type-Examination Certificates and are repeated below:-

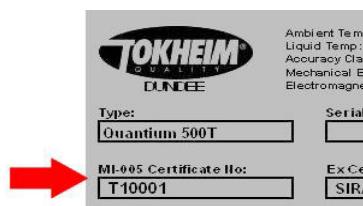
- Where a dispenser is supplied without hoses and/or nozzles, they shall be fitted in accordance with:
 - Hoses : EN1360 or EN13483
 - Nozzles: EN13012
- When used for ethanol (blend) dispensing, the fuel specification must be less than or equal to 85% ethanol, with minimum water content.
- The metering pumps and dispensers are designed for use in open air. Where a metering pump or dispenser is positioned within a building, incorporated into an enclosure, or integrated into a larger piece of equipment, additional measures shall be taken to ensure that the zoning diagrams illustrated in the schedule drawings are not compromised.

1.7 MID Dispensers

From mid 2007, Tokheim dispensers may be shipped from European factories in accordance with the Metrological Instruments Directive (MID). Such dispensers are calibrated and the relevant seals stamped in the factory so that the dispensers are fit for trade immediately upon installation without the need for a local Weights and Measures inspector to put them into use.

The dispenser is shipped with its own “MID datasheet” which documents the serial numbers of the prime components fitted in the dispenser. This datasheet must remain with the dispenser. Similarly dispensers are shipped with a Declaration of Conformance to the MID. This document must not be lost as it is an essential document to allow the continued use of the dispenser.

MID dispensers can be identified by the typeplate which contains a reference to the MID certificate number as shown:-



CHECKING THE SEALS



It is the responsibility of the Installer to check that all required seals are present and correct prior to putting the dispenser into use. This includes seals on the pumping unit, meter, pulser and calculator. **Under no circumstances must any seals be disturbed or broken during installation.**

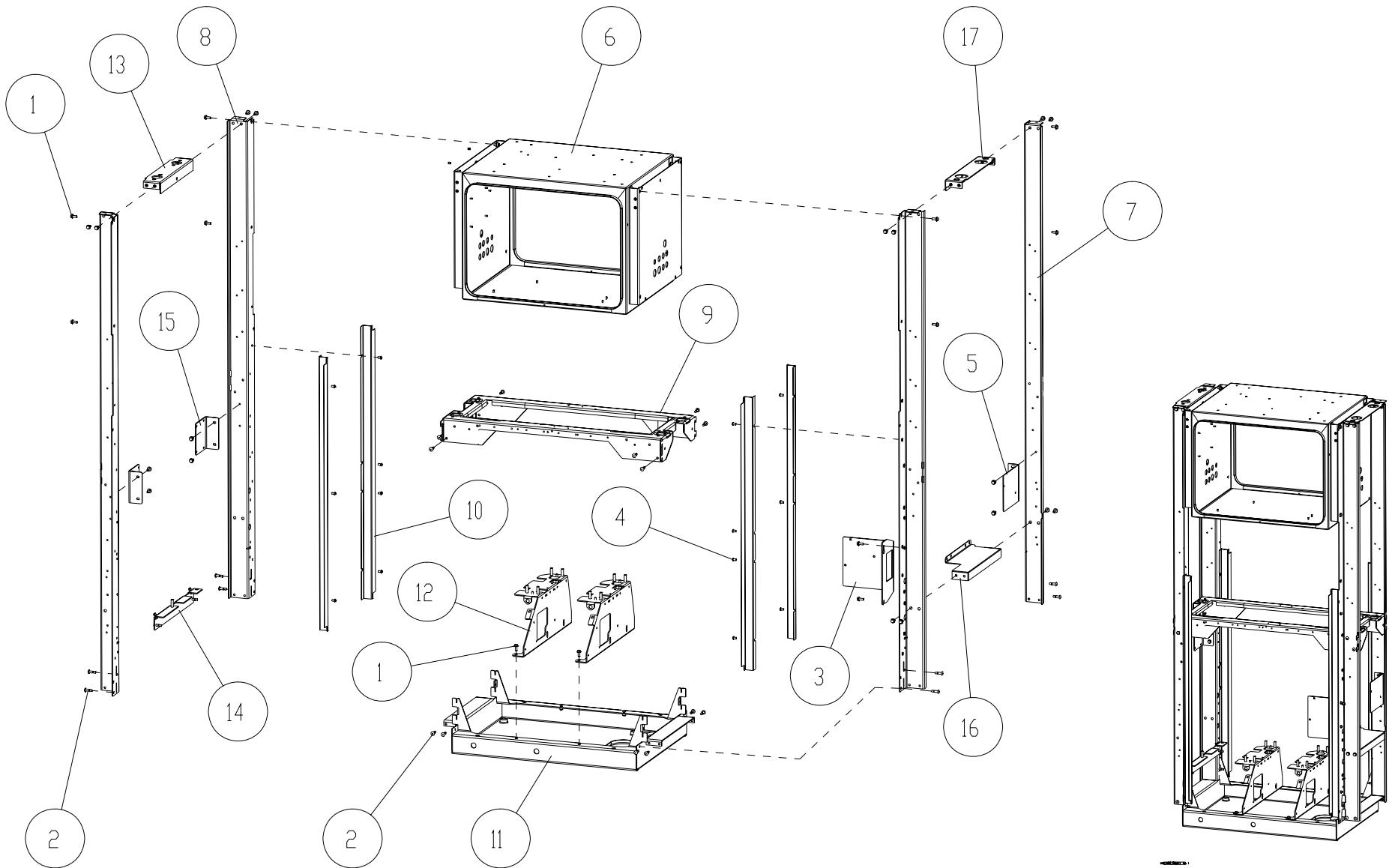
METER CALIBRATION

A calibration check should be performed during Commissioning.

If a seal is damaged or missing, or if the calibration is outwith legal tolerances or in the unlikely event that any repair is required to a pumping unit, meter, pulser or calculator during installation, the factory MID verification is invalidated and a local National verification will need to be performed before the dispenser can be used.

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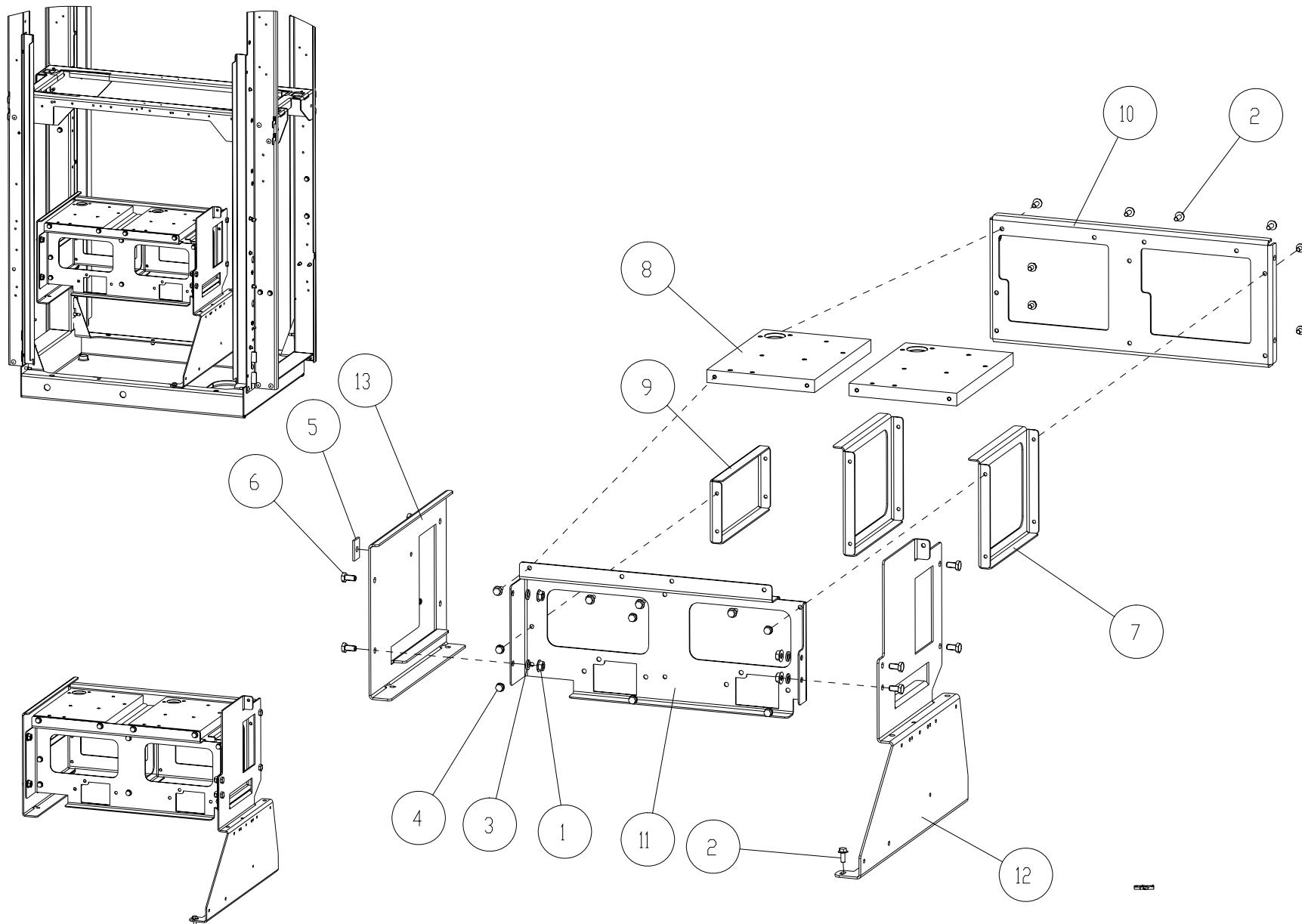
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2 CLADDING & FRAMEWORK

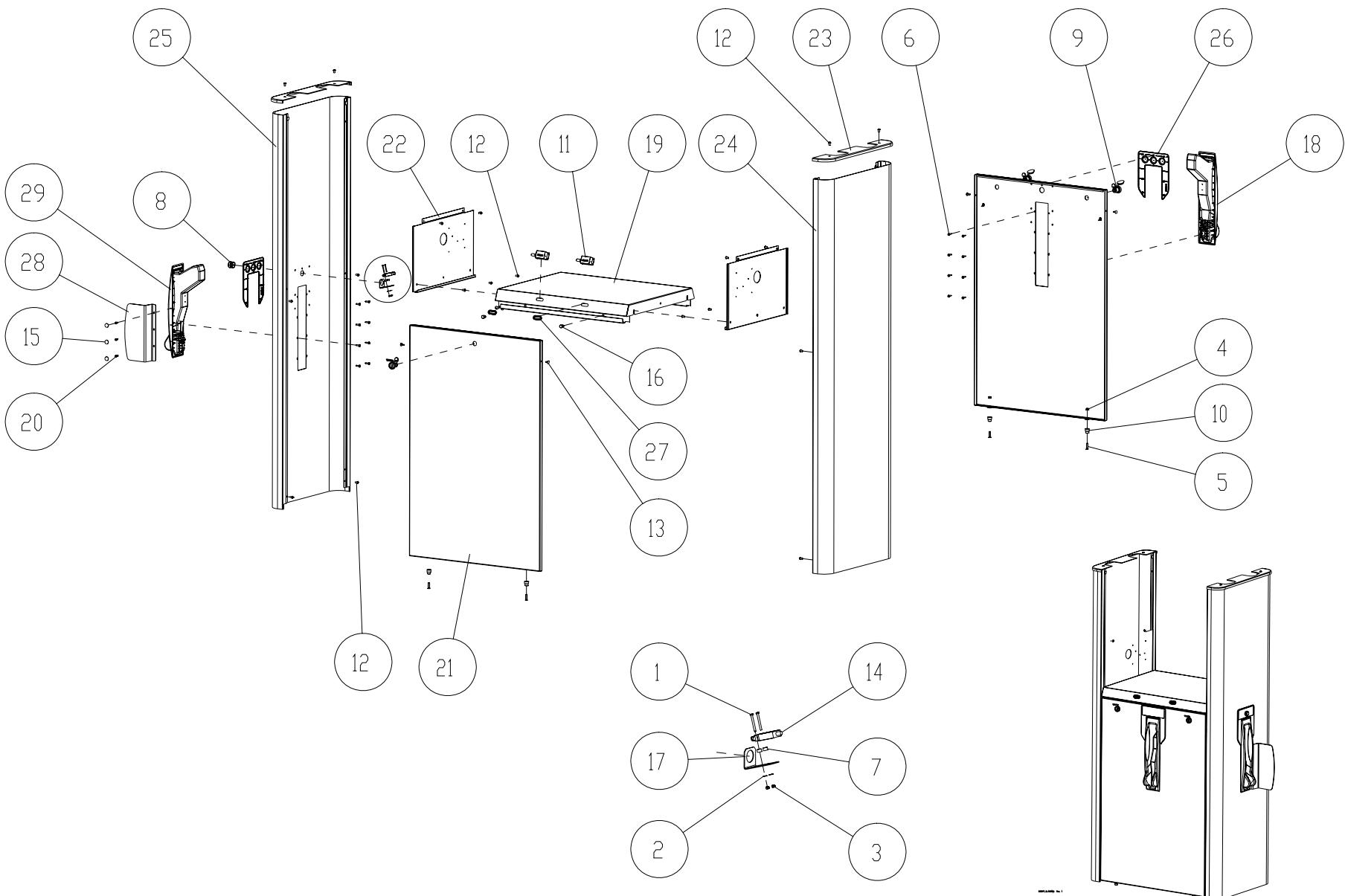
2.1 Frame Assembly

Item No	Description	Désignation Français	Part No	Comments
1	Screw HFHSL M6x16	Vis Hex Br Autobl M6x16	900016-004	
2	Rivet Blind Domed 6.5 x 24.8	Rivet Pot Bomb 6.5 x 24.8	900025-002	
3	Junction Box Bracket	Support Boitier de Raccordement	900316	Refer to Main Junction Box Assembly
4	Screw HSB M6 x 10	Vis M6 x 10	900795-005	
5	Bracket Junction Box	Support Boite de Junction	902607	Refer to Speaker Junction Box Asm
6	Calc Box Welded Asm	Boite Calc Soudé Asm	-	Refer to Calculator Head Assembly
7	Bracket Vertical Left	Montant Vertical Gauche	940804	
8	Bracket Vertical Right	Montant Vertical Droite	940805	
9	Frame Bracket	Cadre Support	940806	
10	Gutter Vertical	Gouttiere Verticale	940813	
11	Drip Tray Welded	Bac de Recup Egout.Soudée	940851	
12	Assy Pump Brkt Uni	Asm Support Pompe Uni	-	Refer to Hydraulic Stack Assemblies
13	Bracket Assy Top Rigid Mast	Tôle Ferm mât Can. Rigide Asm	942646	Refer to Mast Assemblies
14	Bracket Pump End Assy	Support Groupe de Pompage Asm	942926	
15	Fire Detection Bracket	Support Detecteur fe Feu	942928	Refer to Fire Detection Assembly
16	Satellite Bracket	Satellite Bracket	945698	Refer to Satellite Pipe Assembly
17	Bracket Assy Top 2 x Spring Mast Bracket Assy Top 1 x Spring Mast	Tôle Ferm mât Can. Flex 2F Asm Tôle Ferm mât Can. Flex 1F Asm	942647 942648	Refer to Mast Assemblies



2.2 Submerged Frame Assembly

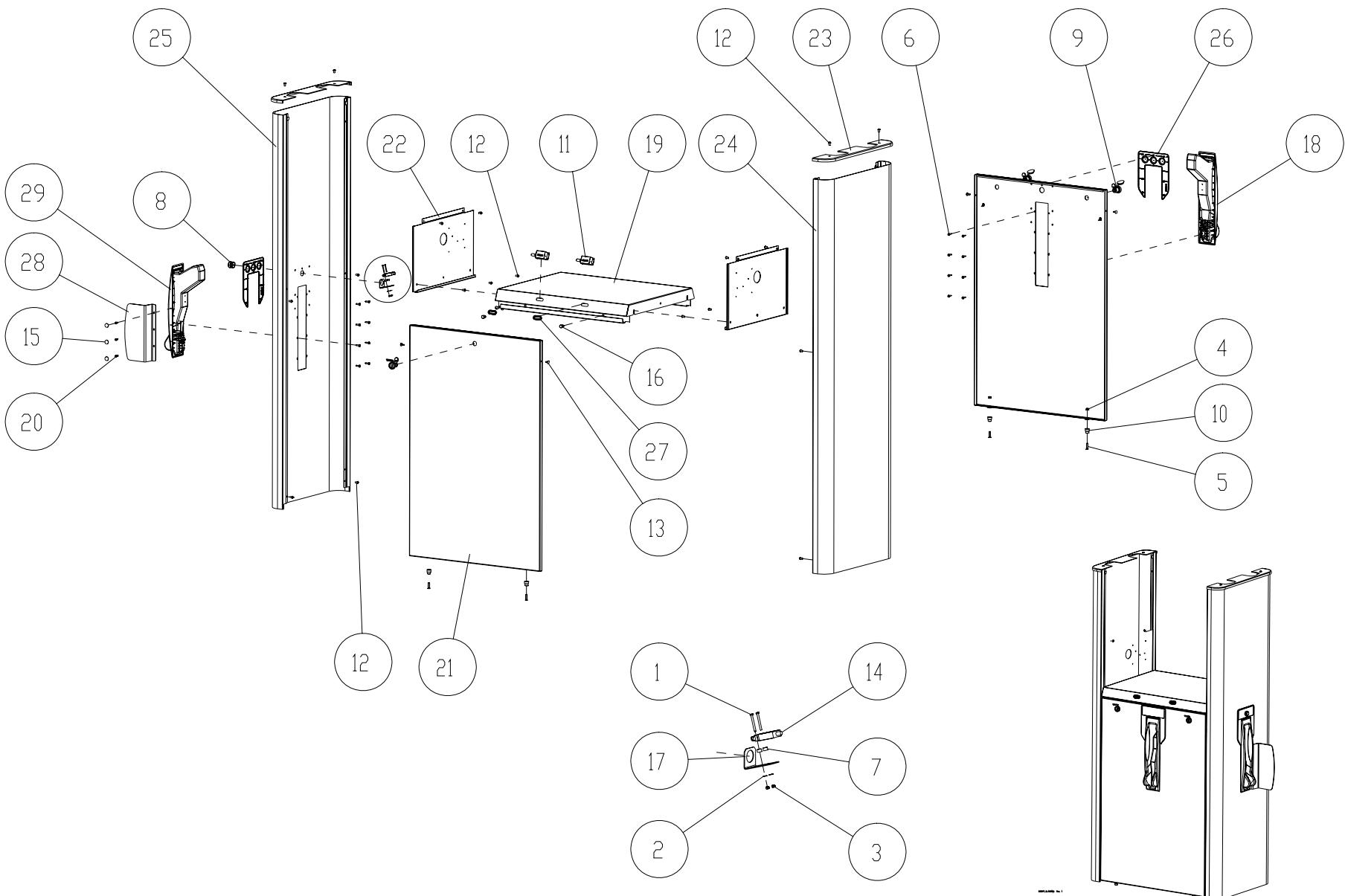
Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M8	Ecrou Bride Autobloquant M8	900013-004	
2	Screw HFHSL M6x16	Vis Hex Br Autobl M6x16	900016-004	
3	Washer Spring Lock M8	Rondelle Elast. W 8	900051-001	
4	Screw HFHTF M6x10	Vis Hex. Taraudeuse M6x10	900708-001	
5	Damper Pump Foot	Assourdisseur de Pompe Pied	905324	
6	Screw Nylon Shear M8 x 16	Vis Nylon Cisaillement M8 x 16	941002	
7	Bracket Lateral Submerged	Support Lateral Immergee	942449	
8	Adaptor Block	Bloc d'Adapteur	942461	
9	Bracket Sub Last Position	Supp Imm Derniere Position	942634	
10	Brkt Sub Side A 2 Position	Supp Imm Cote A 2 Position	942847	
11	Brkt Sub Side B 2 Position	Supp Imm Cote B 2 Position	942851	
12	Bracket Submerged Lower	Support Immergee Abaissez	942855	
13	Bracket Submerged Last Position	Supp. Immergee Dernière Position	942856	



2.3 Cladding Assembly

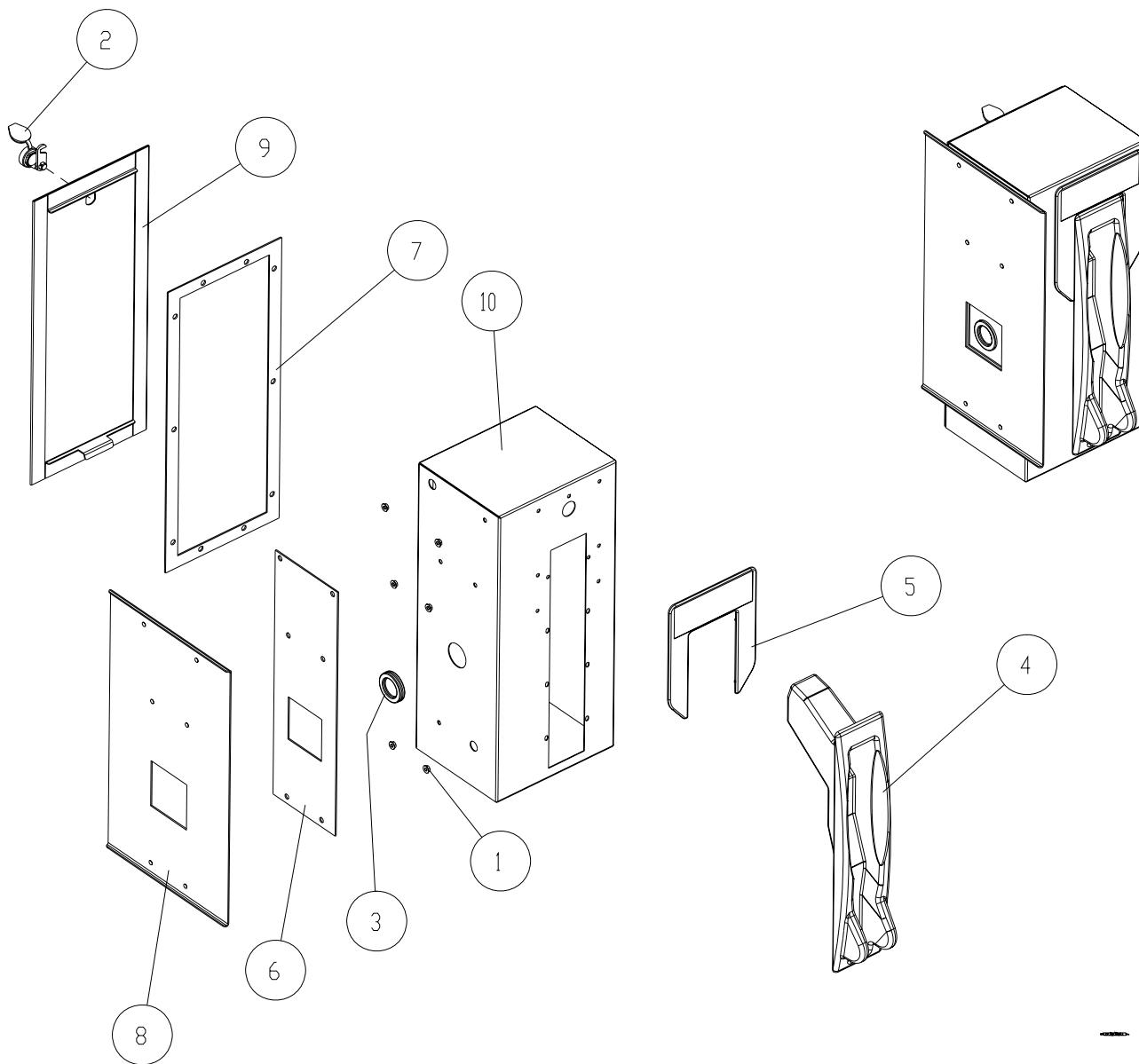
Item No	Description	Désignation Français	Part No	Comments
1	Screw SCH M3x30	Vis CS M3x30	900007-015	
2	Washer PI M3	Rondelle PI M3	900008-010	
3	Nut Hex Prev Torque M3	Ecrou Frein M3	900012-001	
4	Nut Hex Prev Torque M6	Ecrou Frein M6	900012-003	
5	Screw SCS M6x25	Vis FS M6x25	900014-002	
6	Screw HWHT ST4,2x19	Vis Autotaraud Hex ST4,2x19	900020-001	
7	Spacer 3.2x8x5	Entretoise Cyl 3.2x8x5	900024-011	
8	Button Black	Bouton Noir	900079-001	
9	Lock Assembly	Serrure Port Asm	-	Refer to Lock drawing
10	Adjustment Pin	Broche de Reglage	900403	
11	Mechanical Totalizer Left	Compteur Mecanique Gauche	900743-001	
	Mechanical Totalizer Right	Compteur Mecanique Droite	900743-002	
12	Screw HSB M6x10	Vis M6x10	900795-005	
13	Drive Fastener D5/13.5 T3 NA	Att à pression D5/13.5 E3 NA	901058-001	
14	Microswitch	Microrupteur Inverseur	902503-001	
15	Snap Cap White M6	Chapeau Vis Blanc M6	903192-001	
16	Pin - Rubber 8mm Head	Butée Caoutchouc Ep: 8mm	903314-001	
17	Bracket Push Button	Support Bouton Poussoir	906783	
18	Nozzle Boot Assembly	Buse Mince Asm	-	Refer to Nozzle Boot Assembly
19	Hydr Top Cover Totes	Hab Sup Valise Hyd Tot	940857	
	Hydr Top Cover Totes SS	Hab Sup Valise Hyd Tot SS	940858	Stainless Steel
	Hydr Top Cover Totes ACP	Hab Sup Valise Hyd Tot ACP	948442	Additional Corrosion Protection
	Hydr Top Cover	Hab Sup Valise Hyd	909975	
	Hydr Top Cover SS	Hab Sup Valise Hyd SS	909976	Stainless Steel
	Hydr Top Cover ACP	Hab Sup Valise Hyd ACP	948443	Additional Corrosion Protection
20	Screw Poly 30 Posi Pan Dia 5x12	Vis Poly 30 Posi Pan Dia 5x12	940787-001	
21	Door Hydr Blank Assy	Porte Hydr Aveugle Asm	940852	
	Door Hydr 1 Boot Assy	Porte Hydr 1 Buse Asm	940855	
	Door Hydr 2 Boots Assy	Porte Hydr 2 Buses Asm	940856	
	Door Hydr Blank Assy SS	Porte Hydr Aveugle Asm SS	943530	Stainless Steel

(Cont.)



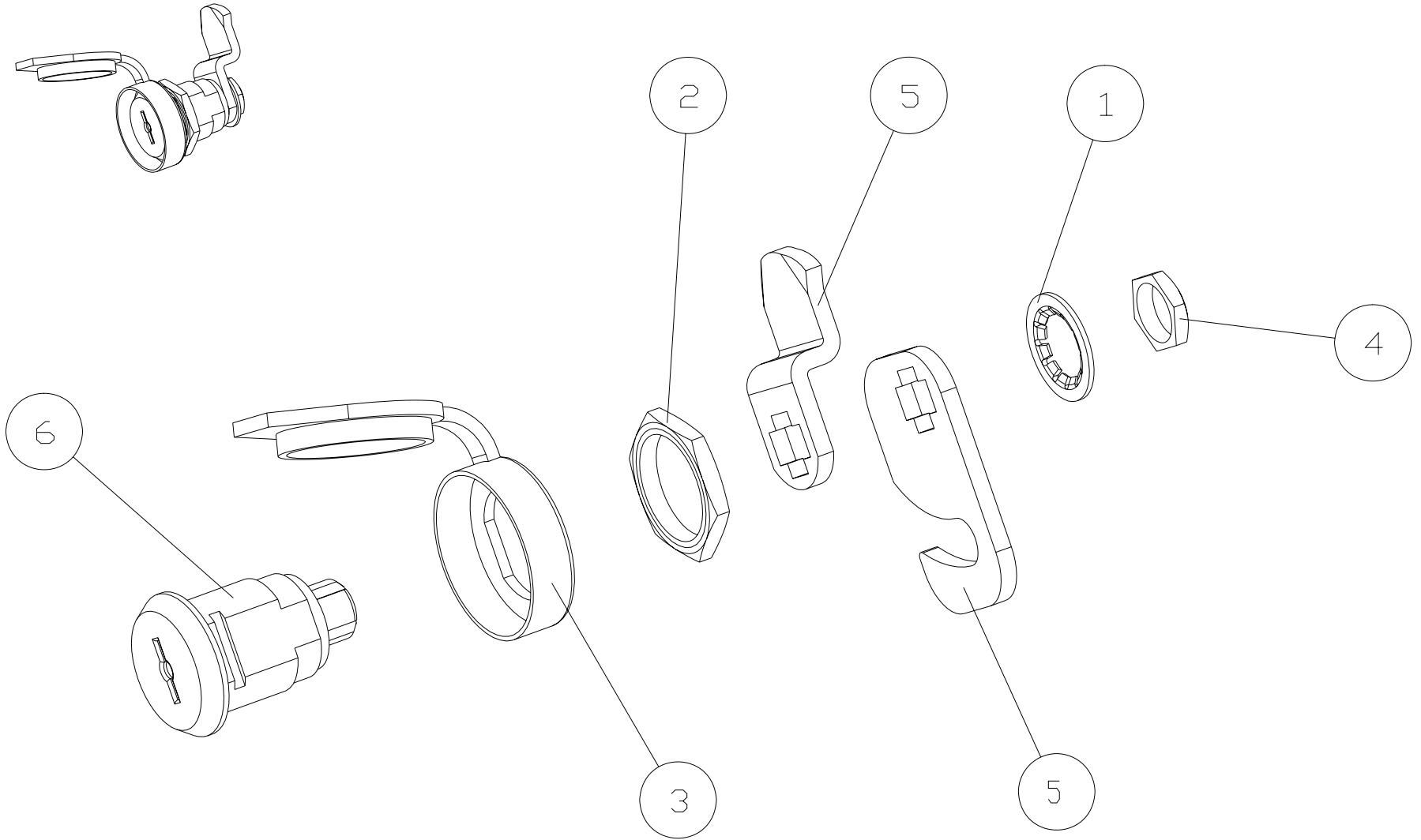
2.3 Cladding Assembly (Cont.)

Item No	Description	Désignation Français	Part No	Comments
21 (Cont.)	Door Hydr 1 Boot Assy SS	Porte Hydr 1 Buse Asm SS	943531	Stainless Steel
	Door Hydr 2 Boot Assy SS	Porte Hydr 2 Buses Asm SS	943532	Stainless Steel
	Door Hydr Blank Assy ACP	Porte Hydr Aveugle Asm ACP	948436	Additional Corrosion Protection
	Door Hydr 1 Boot Assy ACP	Porte Hydr 1 Buse Asm ACP	948438	Additional Corrosion Protection
	Door Hydr 2 Boots Assy ACP	Porte Hydr 2 Buses Asm ACP	948440	Additional Corrosion Protection
22	Lateral Panel Gauge/Iden SS	Hab Int Mât Jaug/Iden INOX	940874	Stainless Steel
	Lateral Panel Gauge/Iden ACP	Hab Int Mât Jaug/Iden ACP	948444	Additional Corrosion Protection
	Lateral Panel Gauge/Iden	Hab Int Mât Jaug/Iden	940872	
	Lateral Panel Ident PI SS	Hab Int Mât PI Iden INOX	940870	Stainless Steel
	Lateral Panel Ident PI ACP	Hab Int Mât PI Iden ACP	948446	Additional Corrosion Protection
	Lateral Panel Ident PI	Hab Int Mât PI Iden	940868	
	Lateral Panel VR Gauge SS	Hab Int Mât Jauge RV INOX	940866	Stainless Steel
	Lateral Panel VR Gauge ACP	Hab Int Mât Jauge RV ACP	948448	Additional Corrosion Protection
	Lateral Panel VR Gauge	Hab Int Mât Jauge RV	940864	
	Lateral Panel Blank SS	Hab Int Mât INOX	940862	Stainless Steel
	Lateral Panel Blank ACP	Hab Int Mât ACP	948450	Additional Corrosion Protection
	Lateral Panel Blank	Hab Int Mât	940860	
23	Column Cover Trim Spring/Rigid	Habilage Tete de Mat Tube Spring/Rigid	941812-001	
	Column Cover Trim Blank	Habilage Tete de Mat Tube Aveugle	941812-002	
24	Column Cover Blank Assy	Couvre Mât Aveugle Asm	948688	
	Column Cover Blank SS Assy	Couvre Mât Aveugle Inox Asm	942470	Stainless Steel
	Column Cover Blank Assy ACP	Couvre Mât Aveugle Asm ACP	948434	Additional Corrosion Protection
25	Column Cover Nozzle Boot Assy	Couvre Mât Buse Peint Asm	948689	
	Column Cover Nozzle Boot Assy SS	Couvre Mât Buse Peint Inox Asm	942472	Stainless Steel
	Column Cover Nozzle Boot Assy ACP	Couvre Mât Buse Peint Asm ACP	948432	Additional Corrosion Protection
26	NNB Protection Panel	Protection Repose Buse	942605	
27	Grommet Tote Hole	Bague Protec.Trou Totalisateur	942707	
28	Nozzle Marker	Marquer Pistolet	944443	
29	Nozzle Boot - Nozzle Marker	Repose Buse - Marqueur Pistolet	944632	



2.4 External Nozzle Box

Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M5	Ecrou Bride Autobloquant M5	900013-002	
2	Lock Assembly	Serrure Asm	-	Refer to Lock Assembly
3	Grommet Membrane ID29	Passe fil à Membrane DG29	902331-002	
4	Nozzle Boot Slim	Buse Mince	909090	Refer to Nozzle Boot Assembly
5	NNB Protection Panel	Protection Repose Buse	942605	
6	Gasket Ext NNB Box	NNB d'ext. de Garniture	943920	
7	Gasket Ext NNB Box Lid	Couvercle NNB d'ext. de Garniture	943921	
8	Ext NNB Brkt Assy	NNB d'ext. Suport Asm	944129	
9	Assy ENB Door	Assy Porte de ENB	947161	
10	Box External NNB Assy	Assy Externe de la Boîte NNB	948307	



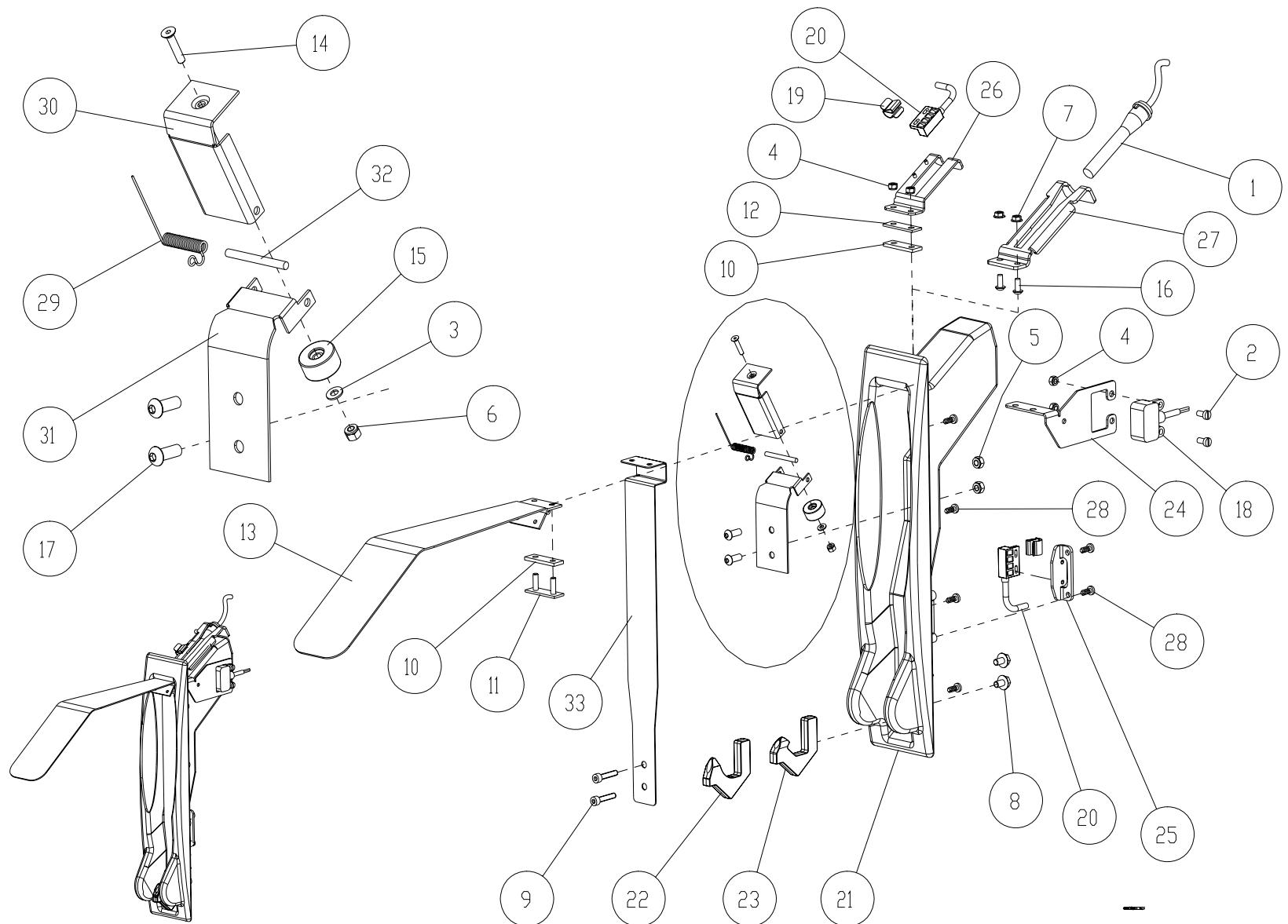
2.5 Lock Assembly

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 SOUTHC0 90-2 (Cover)	Bouchon SOUTHC0 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 Lock Cam Calc Door Lock Cam DIT Door Lock Cam Top Cover Lock Cam Hydr Door	Came de serrure Came de serrure porte calc Came de serrure porte DIT Came de serrure top Came de serrure porte hydr	900181 900985 900986 900978 907495	Q100T&200T WWC Calc Head; Q300T/Q300T1 Dispenser; Q400T Calc Doors Q500T&500T1 Calc Head; Q100T Cecli2 Head Q500T&500T1 DIT & Vidium Doors; Q100T&200T Hydraulic Doors; Q400T DIT & Hydraulic doors; AdB dispensers; Q410 dispensers Q500T Hydraulic top cover only Q500T1 Hydraulc door only
6	Lock	Serrure	900389	

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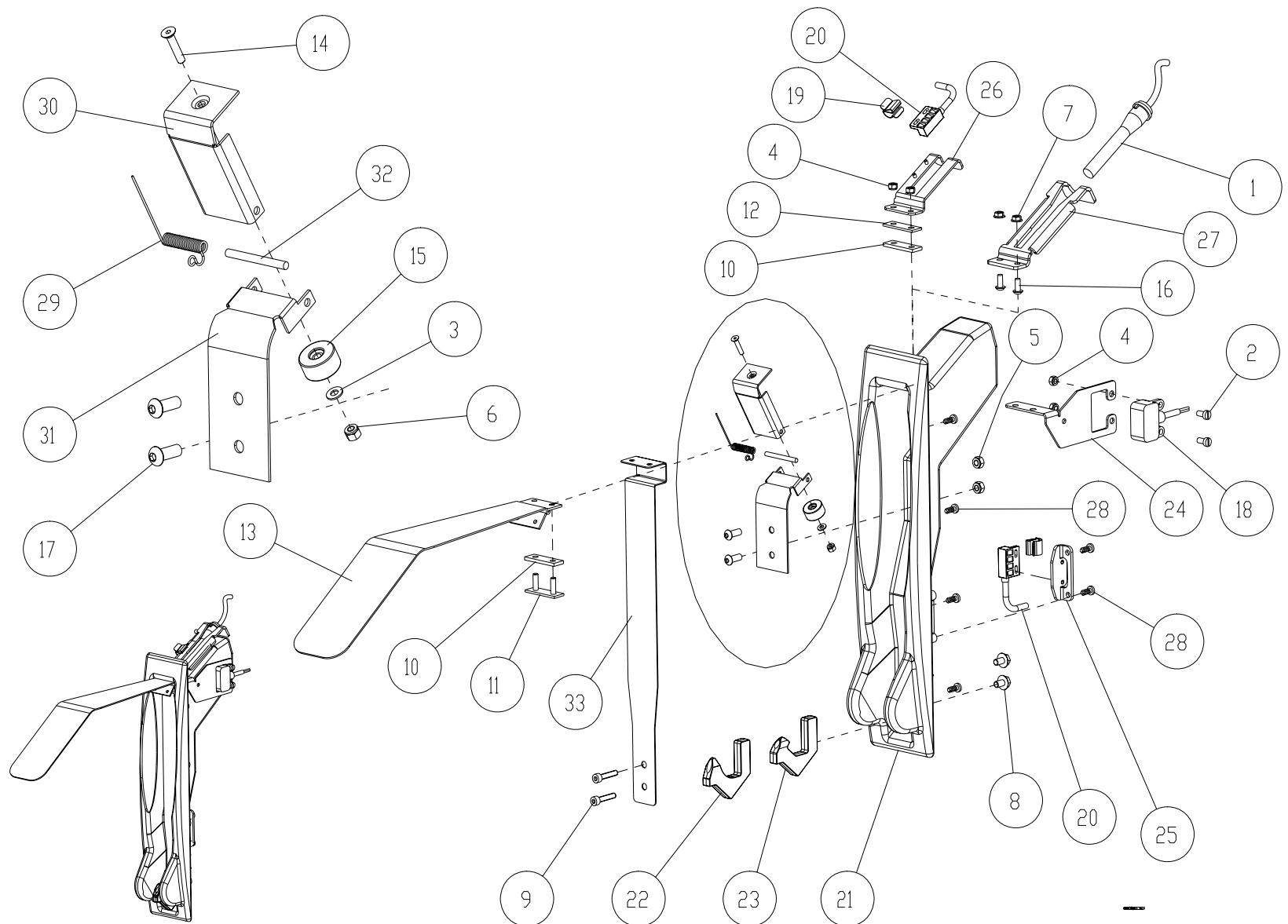


3 HOSES & NOZZLES

3.1 Nozzle Boot Assembly

Item No	Description	Désignation Français	Part No	Comments
1	Nozzle Switch EEXD EECS Cert.	Contacteur EEXD EECS Cert.	5506000001	
2	Screw SCH M5x10	Vis CS M5x10	900007-004	
3	Washer PI M4	Rondelle PI M4	900008-009	
4	Nut Hex Prev Torque M5	Ecrou Frein M5	900012-002	
5	Nut Hex Prev Torque M6	Ecrou Frein M6	900012-003	
6	Nut Hex Prev Torque M4	Ecrou Frein M4	900012-004	
7	Nut Hex Self Lock M5	Ecrou Bride Autobloquant M5	900013-002	
8	Screw Hex Flange Head Selflock	Vis Hex Bride Autobloquant	900016	
9	Screw HSHC M5x25	Vis CHC M5x25	900017-010	
10	Gasket Prod. Ind. Flap	Joint Etanch Prod Ind. Volet	900375	
11	Fixing Plate Prod. Ind. Flap	Plaque Fix Prod Ind Volet	900376	
12	Plate Prod. Ind. Flap	Plaque Supp. Prod Ind Volet	900377	
13	Prod Ind Flap Cpl.	Volet Prod Inf Cpl.	900379	
14	Screw HSC M4 x 20	Vis FHC M4 x 20	900643-011	
15	Magnet 20X4,4X10	Aimant 20X4,4X10	900757-001	
16	Screw HSB M5x12	Vis CBHC M5x12	900795-001	
17	Screw HSB M6x16	Vis M6x16	900795-002	
18	Sensor Housing SATAM 230V	Capteur type SATAM 230V	904846	
19	Reed Switch Spring Clip	Ressort Fixation	907666	
20	Magnetic Proximity Switch Gen	Contact Magnetiq.de Proximité Gen	908172-001	
21	Nozzle Boot Slim	Buse Mince	909090	
22	Nozzle Boot Hook OPW	Crochet de bec OPW	940471	
23	Nozzle Boot Hook Secure	Cochet de bec Bloqué	940472	
24	Bracket Switch 230V	Support Commutateur 230V	940779	
25	Assy Bracket Lower Reed Switch	Asm Support Commutateur Inférieur	942423	
26	Assy Bracket Upper Reed Switch	Asm Support Commutateur Supérieur	940782	
27	Bracket Large Reed Switch	Support Grand Commutateur	940785	

(Cont.)



3.1 Nozzle Boot Assembly (Cont.)

Item No	Description	Désignation Français	Part No	Comments
28	Screw Poly 30 Posi Pan Dia 5x12	Vis Poly 30 Posi Pan Dia 5x12	940787-001	
29	Spring	Resort	942185	
30	Switch Plate	Support Commutateur	942186	
31	Bracket Switch Mechanism	Support Mécanisme Commutateur	942187	
32	Pin	Goupille	942188	
33	Nozzle Boot Blanking Sheet	Feuille Masquante NNB	942417	



3.2 Hoses

3.2.1 ELAFLEX HOSES

HOSE LENGTH 320CM

Part No	Description	Désignation Français	Comments
901103-031	Ø16mm, Slim, 320cm, Black, Black noz & col sleeves	Ø16mm, Slim, 320cm, Noir, Manchon buse & col noir	
901103-032	Ø21mm, Slim, 320cm, Black, Black noz & col sleeves	Ø21mm, Slim, 320cm, Noir, Manchon buse & col noir	
901103-033	Ø25mm, Slim, 320cm, Black	Ø25mm, Slim, 320cm, Noir	
901103-034	Ø16mm, Slim, 320cm, Black, Low temp, Noz & col sleeve	Ø16mm, Slim, 320cm, Noir, GF, Manchon buse & col n	Low temp hose
901103-035	Ø21mm, Slim, 320cm, Black, Low temp, Noz & col sleeve	Ø21mm, Slim, 320cm, Noir, GF, Manchon buse & col n	Low temp hose
901103-036	Ø25mm, Slim, 320cm, Black, Low temp	Ø25mm, Slim, 320cm, Noir, GF	Low temp hose
901103-037	Ø16mm, Slim, 320cm, Black, Biodiesel, Noz & col sleeve	Ø16mm, Slim, 320cm, Noir, Biodiesel, Manchon buse &	Biodiesel
901103-038	Ø21mm, Slim, 320cm, Black, Biodiesel, Noz & col sleeve	Ø21mm, Slim, 320cm, Noir, Biodiesel, Manchon buse &	Biodiesel
901103-150	Ø16mm, Std, 320cm, Black	Ø16mm, Std, 320cm, Noir	Steel/Bichromate coupling
901103-152	Ø21mm, Std, 320cm, Black	Ø21mm, Std, 320cm, Noir	Steel/Bichromate coupling

HOSE LENGTH 385CM

Part No	Description	Désignation Français	Comments
901103-001	Ø16mm, Slim, 385cm, Black, Black Nozzle sleeve	Ø16mm, Slim, 385cm, Noir, Manchon buse noir	
901103-002	Ø21mm, Slim, 385cm, Black, Black Nozzle sleeve	Ø21mm, Slim, 385cm, Noir, Manchon buse noir	
901103-003	Ø21mm, VR, 385cm, Black, Black Nozzle sleeve	Ø21mm, RV, 385cm, Noir, Manchon buse noir	Vapour Recovery hose
901103-004	Ø16mm, Slim, 385cm, Black, Low temp, Nozzle sleeve	Ø16mm, Slim, 385cm, Noir, GF, Manchon buse noir	Low temperature hose
901103-005	Ø21mm, Slim, 385cm, Black, Low temp, Nozzle sleeve	Ø21mm, Slim, 385cm, Noir, GF, Manchon buse noir	Low temperature hose
901103-006	Ø21mm, VR, 385cm, Black, Low temp, Nozzle sleeve	Ø21mm, RV, 385cm, Noir, GF, Manchon buse noir	VR low temperature hose
901103-007	Ø16mm, Slim, 385cm, Black, Nozzle sleeve	Ø16mm, Slim, 385cm, Noir, Manchon buse noir	Biodiesel
901103-008	Ø21mm, Slim, 385cm, Black, Nozzle sleeve	Ø21mm, Slim, 385cm, Noir, Manchon buse noir	Biodiesel
901103-134	Ø16mm, Std, 385cm, Black	Ø16mm, Std, 385cm, Noir	Steel/Bichromate coupling
901103-136	Ø21mm, Std, 385cm, Black	Ø25mm, Std, 385cm, Noir	Steel/Bichromate coupling

3.2.1 ELAFLEX HOSES (CONT.)

HOSE LENGTH 424CM

Part No	Description	Désignation Français	Comments
901103-015	Ø16mm, Slim, 424cm, Black, Nozzle & col sleeve	Ø16mm, Slim, 424cm, Noir, Manchon buse & col	
901103-016	Ø21mm, Slim, 424cm, Black, Nozzle & col sleeve	Ø21mm, Slim, 424cm, Noir, Manchon buse & col	
901103-017	Ø25mm, Slim, 424cm, Black	Ø25mm, Slim, 424cm, Noir	
901103-018	Ø21mm, VR, 424cm, Black	Ø21mm, RV, 424cm, Noir	Vapour Recovery hose
901103-019	Ø16mm, Slim, 424cm, Black, Low Temp, Noz & col sleeve	Ø16mm, Slim, 424cm, Noir, GF, Manchon buse & col	Low Temp hose
901103-020	Ø21mm, Slim, 424cm, Black, Low Temp, Noz & col sleeve	Ø21mm, Slim, 424cm, Noir, GF, Manchon buse & col	Low Temp hose
901103-021	Ø25mm, Slim, 424cm, Black, Low Temp	Ø25mm, Slim, 424cm, Noir, GF	Low Temp hose
901103-022	Ø21mm, VR, 424cm, Black, Low Temp, Noz & col sleeve	Ø21mm, RV, 424cm, Noir, GF, Manchon buse & col	VR low Temp hose
901103-023	Ø16mm, Slim, 424cm, Black, Biodiesel, Noz & col sleeve	Ø16mm, Slim, 424cm, Noir, Biodiesel, Manchon buse & col	
901103-024	Ø21mm, Slim, 424cm, Black, Biodiesel, Noz & col sleeve	Ø21mm, Slim, 424cm, Noir, Biodiesel, Manchon buse & col	
901103-138	Ø16mm, Std, 424cm, Black	Ø16mm, Std, 424cm, Noir	Steel/Bichromate coupling
901103-140	Ø21mm, Std, 424cm, Black	Ø21mm, Std, 424cm, Noir	Steel/Bichromate coupling

3.2.2 GOODYEAR HOSES

HOSE LENGTH 320CM

Part No	Description	Désignation Français	Comments
901103-069	Ø16mm, Std, 320cm, Black	Ø16mm, Std, 320cm, Noir	Brass/chrome coupling
901103-070	Ø19mm, Std, 320cm, Black	Ø19mm, Std, 320cm, Noir	
901103-071	Ø25mm, Std, 320cm, Black	Ø25mm, Std, 320cm, Noir	
901103-072	Ø16mm, Std, 320cm, Black, Black noz & col sleeves	Ø16mm, Std, 320cm, Noir, Manchon buse & col noir	
901103-073	Ø16mm, Std, 320cm, Black, Red noz & col sleeves	Ø16mm, Std, 320cm, Noir, Manchon buse & col rouge	
901103-074	Ø16mm, Std, 320cm, Black, Green noz & col sleeves	Ø16mm, Std, 320cm, Noir, Manchon buse & col verte	
901103-075	Ø16mm, Std, 320cm, Black, Blue noz & col sleeves	Ø16mm, Std, 320cm, Noir, Manchon buse & col bleu	
901103-076	Ø16mm, Std, 320cm, Black, Yellow noz & col sleeves	Ø16mm, Std, 320cm, Noir, Manchon buse & col jaune	
901103-077	Ø19mm, Std, 320cm, Black, Black noz & col sleeves	Ø19mm, Std, 320cm, Noir, Manchon buse & col noir	
901103-149	Ø16mm, Std, 320cm, Black	Ø16mm, Std, 320cm, Noir	Steel/Bichromate coupling
901103-151	Ø25mm, Std, 320cm, Black	Ø25mm, Std, 320cm, Noir	Steel/Bichromate coupling

3.2.2 GOODYEAR HOSES (CONT.)

HOSE LENGTH 385CM

Part No	Description	Désignation Français	Comments
901103-044	Ø16mm, Std, 385cm, Black	Ø16mm, Std, 385cm, Noir	Brass/Chrome coupling
901103-045	Ø19mm, Std, 385cm, Black	Ø19mm, Std, 385cm, Noir	
901103-046	Ø21mm, VR, 385cm, Black	Ø21mm, RV, 385cm, Noir	Vapour Recovery hose
901103-047	Ø21mm, VR, 385cm, Black, Black nozzle sleeve	Ø21mm, RV, 385cm, Noir, Manchon buse noir	Vapour Recovery hose
901103-048	Ø21mm, VR, 385cm, Black, Red nozzle sleeve	Ø21mm, RV, 385cm, Noir, Manchon buse rouge	Vapour Recovery hose
901103-049	Ø21mm, VR, 385cm, Black, Green nozzle sleeve	Ø21mm, RV, 385cm, Noir, Manchon buse verte	Vapour Recovery hose
901103-050	Ø16mm, Std, 385cm, Black, Black nozzle sleeve	Ø16mm, Std, 385cm, Noir, Manchon buse noir	
901103-051	Ø16mm, Std, 385cm, Black, Red nozzle sleeve	Ø16mm, Std, 385cm, Noir, Manchon buse rouge	
901103-052	Ø16mm, Std, 385cm, Black, Green nozzle sleeve	Ø16mm, Std, 385cm, Noir, Manchon buse verte	
901103-053	Ø16mm, Std, 385cm, Black, Blue nozzle sleeve	Ø16mm, Std, 385cm, Noir, Manchon buse Bleu	
901103-054	Ø16mm, Std, 385cm, Black, Yellow nozzle sleeve	Ø16mm, Std, 385cm, Noir, Manchon buse jaune	
901103-055	Ø19mm, Std, 385cm, Black, Black nozzle sleeve	Ø19mm, Std, 385cm, Noir, Manchon buse noir	
901103-080	Ø21mm, VR, 385cm, Black, Blue nozzle sleeve	Ø21mm, RV, 385cm, Noir, Manchon buse bleu	Vapour Recovery hose
901103-081	Ø21mm, VR, 385cm, Black, Yellow nozzle sleeve	Ø21mm, RV, 385cm, Noir, Manchon buse jaune	Vapour Recovery hose
901103-117	Ø25mm, Std, 385cm, Black, Black nozzle sleeve	Ø25mm, Std, 385cm, Noir, Manchon buse noir	Brass/Chrome coupling
901103-133	Ø16mm, Std, 385cm, Black	Ø16mm, Std, 385cm, Noir	Steel/Bichromate coupling
901103-135	Ø25mm, Std, 385cm, Black	Ø25mm, Std, 385cm, Noir	Steel/Bichromate coupling

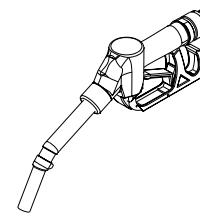
3.2.2 GOODYEAR HOSES (CONT.)

HOSE LENGTH 424CM

Part No	Description	Désignation Français	Comments
901103-056	Ø16mm, Std, 424cm, Black	Ø16mm, Std, 424cm, Noir	Brass/Chrome coupling
901103-057	Ø19mm, Std, 424cm, Black	Ø19mm, Std, 424cm, Noir	
901103-058	Ø25mm, Std, 424cm, Black	Ø25mm, Std, 424cm, Noir	Brass/Chrome coupling
901103-059	Ø21mm, VR, 424cm, Black	Ø21mm, RV, 424cm, Noir	Vapour Recovery hose
901103-060	Ø21mm, VR, 424cm, Black, Black noz & col sleeve	Ø21mm, RV, 424cm, Noir, Manchon buse & col noir	Vapour Recovery hose
901103-061	Ø21mm, VR, 424cm, Black, Red nozzle & col sleeve	Ø21mm, RV, 424cm, Noir, Manchon buse & col rouge	Vapour Recovery hose
901103-062	Ø21mm, VR, 424cm, Black, Green noz & col sleeve	Ø21mm, RV, 424cm, Noir, Manchon buse & col verte	Vapour Recovery hose
901103-063	Ø16mm, Std, 424cm, Black, Black noz & col sleeve	Ø16mm, Std, 424cm, Noir, Manchon buse & col noir	
901103-064	Ø16mm, Std, 424cm, Black, Red noz & col sleeve	Ø16mm, Std, 424cm, Noir, Manchon buse & col rouge	
901103-065	Ø16mm, Std, 424cm, Black, Green noz & col sleeve	Ø16mm, Std, 424cm, Noir, Manchon buse & col verte	
901103-066	Ø16mm, Std, 424cm, Black, Blue noz & col sleeve	Ø16mm, Std, 424cm, Noir, Manchon buse & col bleu	
901103-067	Ø16mm, Std, 424cm, Black, Yellow noz & col sleeve	Ø16mm, Std, 424cm, Noir, Manchon buse & col jaune	
901103-068	Ø19mm, Std, 424cm, Black, Black noz & col sleeve	Ø19mm, Std, 424cm, Noir, Manchon buse & col noir	
901103-082	Ø21mm, VR, 424cm, Black, Blue noz & col sleeve	Ø21mm, RV, 424cm, Noir, Manchon buse & col bleu	Vapour Recovery hose
901103-083	Ø21mm, VR, 424cm, Black, Yellow noz & col sleeve	Ø21mm, RV, 424cm, Noir, Manchon buse & col jaune	Vapour Recovery hose
901103-137	Ø16mm, Std, 424cm, Black	Ø16mm, Std, 424cm, Noir	Steel/Bichromate coupling
901103-139	Ø25mm, Std, 424cm, Black	Ø25mm, Std, 424cm, Noir	Steel/Bichromate coupling

3.3 Nozzles

3.3.1 ELAFLEX ZVA2 NOZZLES (NON-SECURE)



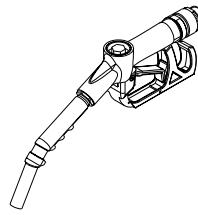
Part No	Speed (l/min)	Fuel	VR	Coupling	Break	Grip EK038	Scuffguard EK044	Product Ind.Sleeve EK043	Special
945126-001	40	unleaded	none	1" male	none	Black	Black	Black	
945126-002	40	unleaded	none	1" male	non-reusable	Black	Black	Black	
945126-003	40	unleaded	none	1" male	reusable	Black	Black	Black	
945126-004	40	leaded/diesel	none	1" male	none	Black	Black	Black	
945126-005	40	leaded/diesel	none	1" male	non-reusable	Black	Black	Black	
945126-006	40	leaded/diesel	none	1" male	reusable	Black	Black	Black	
945126-007	80	unleaded	none	1" male	none	Black	Black	Black	
945126-008	80	unleaded	none	1" male	non-reusable	Black	Black	Black	
945126-009	80	unleaded	none	1" male	reusable	Black	Black	Black	
945126-010	80	leaded/diesel	none	1" male	none	Black	Black	Black	
945126-011	80	leaded/diesel	none	1" male	non-reusable	Black	Black	Black	
945126-012	80	leaded/diesel	none	1" male	reusable	Black	Black	Black	
945126-013	40	diesel	none	1" male	none	Black	Black	Black	Dripstop
945126-014	40	diesel	none	1" male	non-reusable	Black	Black	Black	Dripstop
945126-015	40	diesel	none	1" male	reusable	Black	Black	Black	Dripstop
945126-016	40	diesel	none	1" male	none	Black	Black	Black	Dripstop, 5L/Min on Nozzle (UK only)
945126-017	40	diesel	none	1" male	non-reusable	Black	Black	Black	Dripstop, 5L/Min on Nozzle (UK only)
945126-018	40	diesel	none	1" male	reusable	Black	Black	Black	Dripstop, 5L/Min on Nozzle (UK only)
945126-019	40	leaded	non-GRVP	1" male	none	Black	Green	Green	No vapour valve
945126-020	40	unleaded	non-GRVP	1" male	none	Black	Green	Green	No vapour valve
945126-021	40	leaded	non-GRVP	1" male	none	Black	Green	Green	On/Off vapour valve
945126-022	40	unleaded	non-GRVP	1" male	none	Black	Green	Green	On/Off vapour valve
945126-023	40	leaded	GRVP	1" male	none	Black	Green	Green	Proportional vapour valve

(CONT.)

3.3.1 ELAFLEX ZVA2 NOZZLES (NON-SECURE) CONT.

Part No	Speed (l/min)	Fuel	VR	Coupling	Break	Grip EK038	Scuffguard EK044	Product Ind.Sleeve EK043	Special
945126-024	40	unleaded	GRVP	1" male	none	Black	Green	Green	Proportional vapour valve
945126-025	40	unleaded	none	1" male	none	Light Blue	Light Blue	Light Blue	
945126-026	40	unleaded	none	1" male	non-reusable	Light Blue	Light Blue	Light Blue	
945126-027	40	unleaded	none	1" male	reusable	Light Blue	Light Blue	Light Blue	
945126-028	40	leaded/diesel	none	1" male	none	Dark Blue	Dark Blue	Dark Blue	
945126-029	40	leaded/diesel	none	1" male	non-reusable	Dark Blue	Dark Blue	Dark Blue	
945126-030	40	leaded/diesel	none	1" male	reusable	Dark Blue	Dark Blue	Dark Blue	
945126-031	80	unleaded	none	1" male	none	Light Blue	Light Blue	Light Blue	
945126-032	80	unleaded	none	1" male	non-reusable	Light Blue	Light Blue	Light Blue	
945126-033	80	unleaded	none	1" male	reusable	Light Blue	Light Blue	Light Blue	
945126-034	80	leaded/diesel	none	1" male	none	Dark Blue	Dark Blue	Dark Blue	
945126-035	80	leaded/diesel	none	1" male	non-reusable	Dark Blue	Dark Blue	Dark Blue	
945126-036	80	leaded/diesel	none	1" male	reusable	Dark Blue	Dark Blue	Dark Blue	
945126-037	40	unleaded	non-GRVP	1" male	none	Light Blue	Light Blue	Light Blue	No vapour valve
945126-038	40	unleaded	non-GRVP	1" male	none	Light Blue	Light Blue	Light Blue	On/Off vapour valve
945126-039	40	diesel	none	1" male	none	Dark Blue	Dark Blue	Dark Blue	Dripstop
945126-040	40	diesel	none	1" male	non-reusable	Dark Blue	Dark Blue	Dark Blue	Dripstop
945126-041	40	diesel	none	1" male	reusable	Dark Blue	Dark Blue	Dark Blue	Dripstop
945126-042	40	diesel	none	1" male	none	Dark Blue	Dark Blue	Dark Blue	Dripstop, 5L/Min on Nozzle (UK only)
945126-043	40	diesel	none	1" male	non-reusable	Dark Blue	Dark Blue	Dark Blue	Dripstop, 5L/Min on Nozzle (UK only)
945126-044	40	diesel	none	1" male	reusable	Dark Blue	Dark Blue	Dark Blue	Dripstop, 5L/Min on Nozzle (UK only)

3.3.2 ELAFLEX ZVA25 NOZZLES (NON-SECURE)



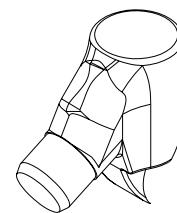
Part No	Speed (l/min)	Fuel	VR	Coupling	Break	Grip	Scuffguard	Product Ind. Sleeve	Special
901135-013	80/130	diesel	none	1" male	reusable	Black	Black	N/A	
901135-022	80/130	diesel	none	1" male	none	Black	Black	N/A	
901135-044	80/130	diesel	none	1" male	none	Black	Black	N/A	
901135-047	80/130	diesel	none	1" male	reusable	Black	Black	N/A	
901135-086	80/130	diesel	none	1" male	non-reusable	Black	Black	N/A	

3.3.3 OPW NOZZLES

Part No	Speed (l/min)	Fuel	VR	Coupling	Break	Grip	Nozzle cover	Magnet	Tip/Spout	Special
901852-001	40	unleaded	none	3/4" female	none	Black	Black	none	standard	latch & spring
901852-002	40	leaded	none	3/4" female	none	Black	Black	none	standard	latch & spring
901852-003	40	unleaded	none	3/4" female	none	Black	Black	none	standard	
901852-004	40	leaded	none	3/4" female	none	Black	Black	none	standard	
901852-005	40	diesel	none	3/4" female	none	Black	Black	none	standard	Dripless latch & spring
901852-006	40	diesel	none	3/4" female	none	Black	Black	none	standard	Dripless
901852-007	80/130	diesel	none	1" female	none	Black	Black	none	standard	1" latch & spring

3.4 Nozzle Extras

3.4.1 NOZZLE COVERS



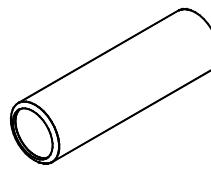
Elaflex ZVA2 Nozzle Scuffguard

Part No	Description	Désignation Français
945127-001	ZVA2 Scuffguard EK044 Black	ZVA2 Garde d'Usure EK044 Noir
945127-002	ZVA2 Scuffguard EK044 Blue	ZVA2 Garde d'Usure EK044 Bleu
945127-003	ZVA2 Scuffguard EK044 Dark Blue	ZVA2 Garde d'Usure EK044 Bleu-Foncé
945127-004	ZVA2 Scuffguard EK044 Green	ZVA2 Garde d'Usure EK044 Vert
945127-005	ZVA2 Scuffguard EK044 Light Green	ZVA2 Garde d'Usure EK044 Vert-Clair
945127-006	ZVA2 Scuffguard EK044 Light Blue	ZVA2 Garde d'Usure EK044 Bleu-Clair
945127-007	ZVA2 Scuffguard EK044 Orange	ZVA2 Garde d'Usure EK044 Orange
945127-008	ZVA2 Scuffguard EK044 Red	ZVA2 Garde d'Usure EK044 Rouge
945127-009	ZVA2 Scuffguard EK044 Silver/Grey	ZVA2 Garde d'Usure EK044 Argent/Gris
945127-010	ZVA2 Scuffguard EK044 White	ZVA2 Garde d'Usure EK044 Blanc
945127-011	ZVA2 Scuffguard EK044 Yellow	ZVA2 Garde d'Usure EK044 Jaune
945127-012	ZVA2 Scuffguard EK044 Cyan	ZVA2 Garde d'Usure EK044 Cyan

OPW Nozzle Covers

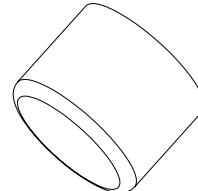
Part No	Description	Désignation Français
901853-001	Nozzle Cover OPW/19/Hole/Yellow	Protecteur de Buse OPW/19/Hole/Jaune
901853-002	Nozzle Cover OPW/19/Hole/Green	Protecteur de Buse OPW/19/Hole/Vert
901853-003	Nozzle Cover OPW/19/Hole/Red	OPW/19/Hole/Rouge
901853-004	Nozzle Cover OPW/19/Hole/Blue	Protecteur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

3.4.2 SLEEVES



Part No	Description	Désignation Français
909295-001	Sleeve CS16 Red	Gaine Flex. CS16 Rouge
909295-002	Sleeve CS16 Green	Gaine Flex. CS16 Verte
909295-003	Sleeve CS16 Blue	Gaine Flex. CS16 Bleue
909295-004	Sleeve CS16 Yellow	Gaine Flex. CS16 Jaune
909295-005	Sleeve CS16 Black	Gaine Flex. CS16 Noire
909295-006	Sleeve CS21 Red	Gaine Flex. Coax. CS21 R.V. Rouge
909295-007	Sleeve CS21 Green	Gaine Flex. Coax. CS21 R.V. Verte
909295-008	Sleeve CS21 Blue	Gaine Flex. Coax. CS21 R.V. Bleue
909295-009	Sleeve CS21 Black	Gaine Flex. Coax. CS21 R.V. Noire
909295-010	Sleeve CS21 Yellow	Gaine Flex. Coax. CS21 R.V. Jaune
909295-011	Sleeve CS16 Orange	Gaine Flex. CS16 R.V. Orange
909295-012	Sleeve CS21 Orange	Gaine Flex. Coax. CS21 R.V. Orange
909295-013	Sleeve CS16 White	Gaine Flex. CS16 Blanc
909295-014	Sleeve CS21 White	Gaine Flex. Coax. CS21 R.V. Blanc
909295-015	Sleeve CS16 Dark Blue BP	Gaine Flex. CS16 Bleu-Foncé BP
909295-016	Sleeve CS16 Light Blue BP	Gaine Flex. CS16 Bleu-Clair BP
909295-017	Sleeve CS21 Dark Blue BP	Gaine Flex. CS21 Bleu-Foncé BP
909295-018	Sleeve CS21 Light Blue BP	Gaine Flex. CS21 Bleu-Clair BP
909295-019	Sleeve CS16 Cyan ESSO	Gaine Flex. CS16 Cyan ESSO
909295-020	Sleeve CS21 Cyan ESSO	Gaine Flex. CS21 Cyan ESSO
909295-021	Sleeve CS16 Light Green	Gaine Flex. CS16 Vert-Clair
909295-022	Sleeve CS21 Light Green	Gaine Flex CS21 Vert-Clair

3.4.3 ZVA2 PRODUCT INDICATION SLEEVE



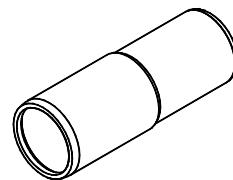
Part No	Description	Désignation Français
945128-001	Prod. Ind. Sleeve EK043 Black	Douille d'Ind. De Produit EK043 Noir
945128-002	Prod. Ind. Sleeve EK043 Blue	Douille d'Ind. De Produit EK043 Bleu
945128-003	Prod. Ind. Sleeve EK043 Dark Blue	Douille d'Ind. De Produit EK043 Bleu-Foncé
945128-004	Prod. Ind. Sleeve EK043 Green	Douille d'Ind. De Produit EK043 Vert
945128-005	Prod. Ind. Sleeve EK043 Light Green	Douille d'Ind. De Produit EK043 Vert-Clair
945128-006	Prod. Ind. Sleeve EK043 Light Blue	Douille d'Ind. De Produit EK043 Bleu-Clair
945128-007	Prod. Ind. Sleeve EK043 Orange	Douille d'Ind. De Produit EK043 Orange
945128-008	Prod. Ind. Sleeve EK043 Red	Douille d'Ind. De Produit EK043 Rouge
945128-009	Prod. Ind. Sleeve EK043 Silver/Grey	Douille d'Ind. De Produit EK043 Argent/Gris
945128-010	Prod. Ind. Sleeve EK043 White	Douille d'Ind. De Produit EK043 Blanc
945128-011	Prod. Ind. Sleeve EK043 Yellow	Douille d'Ind. De Produit EK043 Jaune
945128-012	Prod. Ind. Sleeve EK043 Cyan	Douille d'Ind. De Produit EK043 Cyan



3.4.4 ZVA2 SPLASHGUARDS

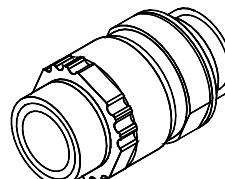
Part No	Description	Désignation Français
945129-001	ZVA2 Splashguard SG652 Black	ZVA2 Garde d'Eclaboussure SG652 Noir
945129-002	ZVA2 Splashguard SG652 Blue	ZVA2 Garde d'Eclaboussure SG652 Bleu
945129-003	ZVA2 Splashguard SG652 Dark Blue	ZVA2 Garde d'Eclaboussure SG652 Bleu-Foncé
945129-004	ZVA2 Splashguard SG652 Green	ZVA2 Garde d'Eclaboussure SG652 Vert
945129-005	ZVA2 Splashguard SG652 Light Green	ZVA2 Garde d'Eclaboussure SG652 Vert-Clair
945129-006	ZVA2 Splashguard SG652 Light Blue	ZVA2 Garde d'Eclaboussure SG652 Bleu-Clair
945129-007	ZVA2 Splashguard SG652 Orange	ZVA2 Garde d'Eclaboussure SG652 Orange
945129-008	ZVA2 Splashguard SG652 Red	ZVA2 Garde d'Eclaboussure SG652 Rouge
945129-009	ZVA2 Splashguard SG652 Silver/Grey	ZVA2 Garde d'Eclaboussure SG652 Argent/Gris
945129-010	ZVA2 Splashguard SG652 White	ZVA2 Garde d'Eclaboussure SG652 Blanc
945129-011	ZVA2 Splashguard SG652 Yellow	ZVA2 Garde d'Eclaboussure SG652 Jaune
945129-012	ZVA2 Splashguard SG652 Ulimate Unleaded Green (UK)	ZVA2 Garde d'Eclaboussure SG652 Ultimite Unleaded Vert (UK)
945129-013	ZVA2 Splashguard SG652 Ulimate Diesel Dark Blue (UK)	ZVA2 Garde d'Eclaboussure SG652 Ultimite Unleaded Bleu-Foncé (UK)
945129-014	ZVA2 Splashguard SG652 Ulimate Unleaded Light Blue (FR)	ZVA2 Garde d'Eclaboussure SG652 Ultimite Unleaded Bleu-Clair (FR)
945129-015	ZVA2 Splashguard SG652 Ulimate Diesel Dark Blue (FR)	ZVA2 Garde d'Eclaboussure SG652 Ultimite Diesel Bleu-Foncé (FR)
945129-016	ZVA2 Splashguard SG652 Ulimate Unleaded Light Blue (ESP)	ZVA2 Garde d'Eclaboussure SG652 Ultimite Unleaded Bleu-Clair (ESP)
945129-017	ZVA2 Splashguard SG652 Ulimate Diesel Dark Blue (ESP)	ZVA2 Garde d'Eclaboussure SG652 Ultimite Diesel Bleu-Foncé (ESP)
945129-018	ZVA2 Splashguard SG652 Ulimate Unleaded (Dripstop) Light Blue (CAT)	ZVA2 Garde d'Eclaboussure SG652 Ultimite Unleaded (Dripstop) Bleu-Clair (CAT)
945129-019	ZVA2 Splashguard SG652 Ulimate Unleaded (Dripstop) Dark Blue (CAT)	ZVA2 Garde d'Eclaboussure SG652 Ultimite Diesel (Dripstop) Bleu-Foncé (CAT)
945129-020	ZVA2 Splashguard SG652 Cyan	ZVA2 Garde d'Eclaboussure SG652 Cyan

3.4.5 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
901140-011	Sleeve Break BT16 Silver/Grey	Gaine Flex Rac Cass BT16 Argent/Gris
901140-012	Sleeve Break BT21 Silver/Grey	Gaine Flex Rac Cass BT21 Argent/Gris
901140-013	Sleeve Break BT16 Orange	Gaine Flex Rac Cass BT16 Orange
901140-014	Sleeve Break BT21 Orange	Gaine Flex Rac Cass BT21 Orange
901140-015	Sleeve Break BT16 White	Gaine Flex Rac Cass BT16 Blanc
901140-016	Sleeve Break BT21 White	Gaine Flex Rac Cass BT21 Blanc
901140-017	Sleeve Break BT16 Light Blue BP	Gaine Flex Rac Cass BT16 Bleu Clair BP
901140-018	Sleeve Break BT21 Light Blue BP	Gaine Flex Rac Cass BT21 Bleu Clair BP
901140-019	Sleeve Break BT16 Dark Blue BP	Gaine Flex Rac Cass BT16 Bleu-Foncé BP
901140-020	Sleeve Break BT21 Dark Blue BP	Gaine Flex Rac Cass BT21 Bleu-Foncé BP
901140-021	Sleeve Break BT16 Cyan ESSO	Gaine Flex Rac Cass BT16 Cyan ESSO
901140-022	Sleeve Break BT21 Cyan ESSO	Gaine Flex Rac Cass BT21 Cyan ESSO
901140-023	Sleeve Break BT16 Light Green	Gaine Flex Rac Cass BT16 Vert-Clair
901140-024	Sleeve Break BT21 Light Green	Gaine Flex Rac Cass BT21 Vert-Clair

3.4.6 BREAK COUPLINGS

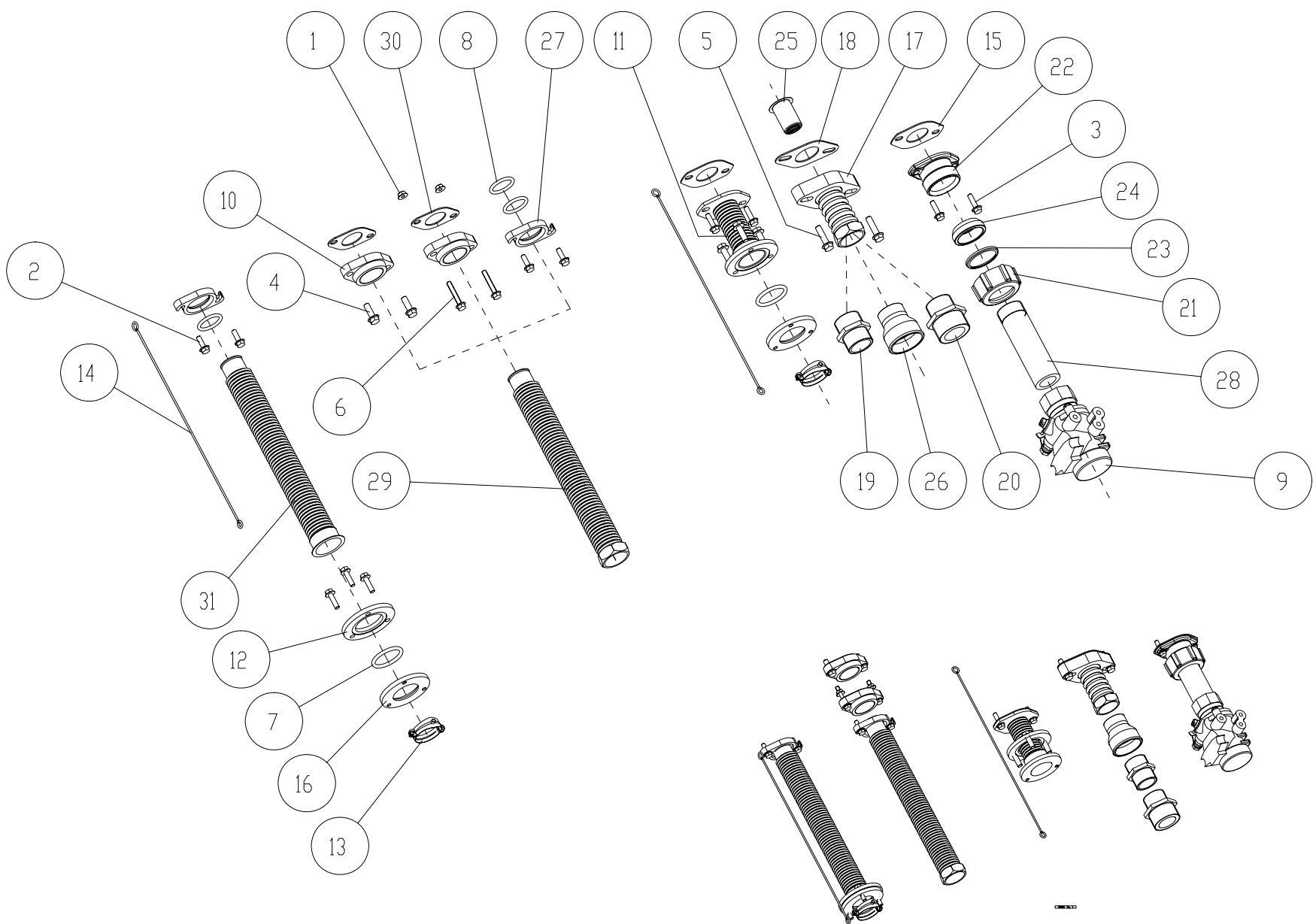


Part No	Description	Désignation Français
901137-001	Break Coupling 1" Male BS7117	Raccord Cassant 1" Mâle BS7117
901137-002	Break Coupling 1" Male Non BS7117	Raccord Cassant 1" Mâle Non BS7117
901137-003	Break Coupling 1" Male Non Reuseable	Raccord Cassant 1" Mâle Non Reutilisable
901568-001	Break Coupling VR	Raccord Cassant RV
901568-002	Break Coupling VR Non Reuseable	Raccord Cassant RV Non Reutilisable

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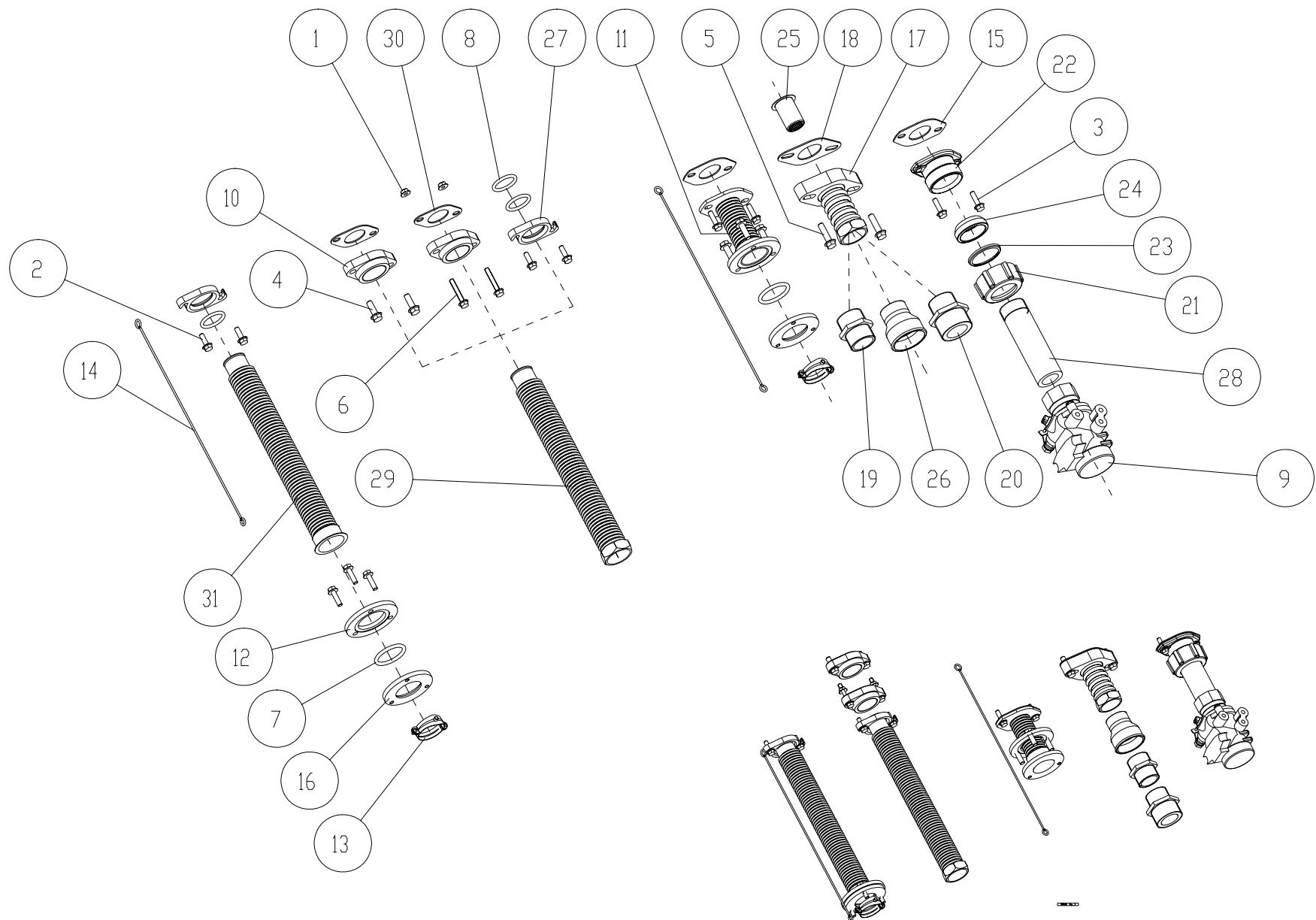


4 DISPENSER HYDRAULICS

4.1 Flexible Connections

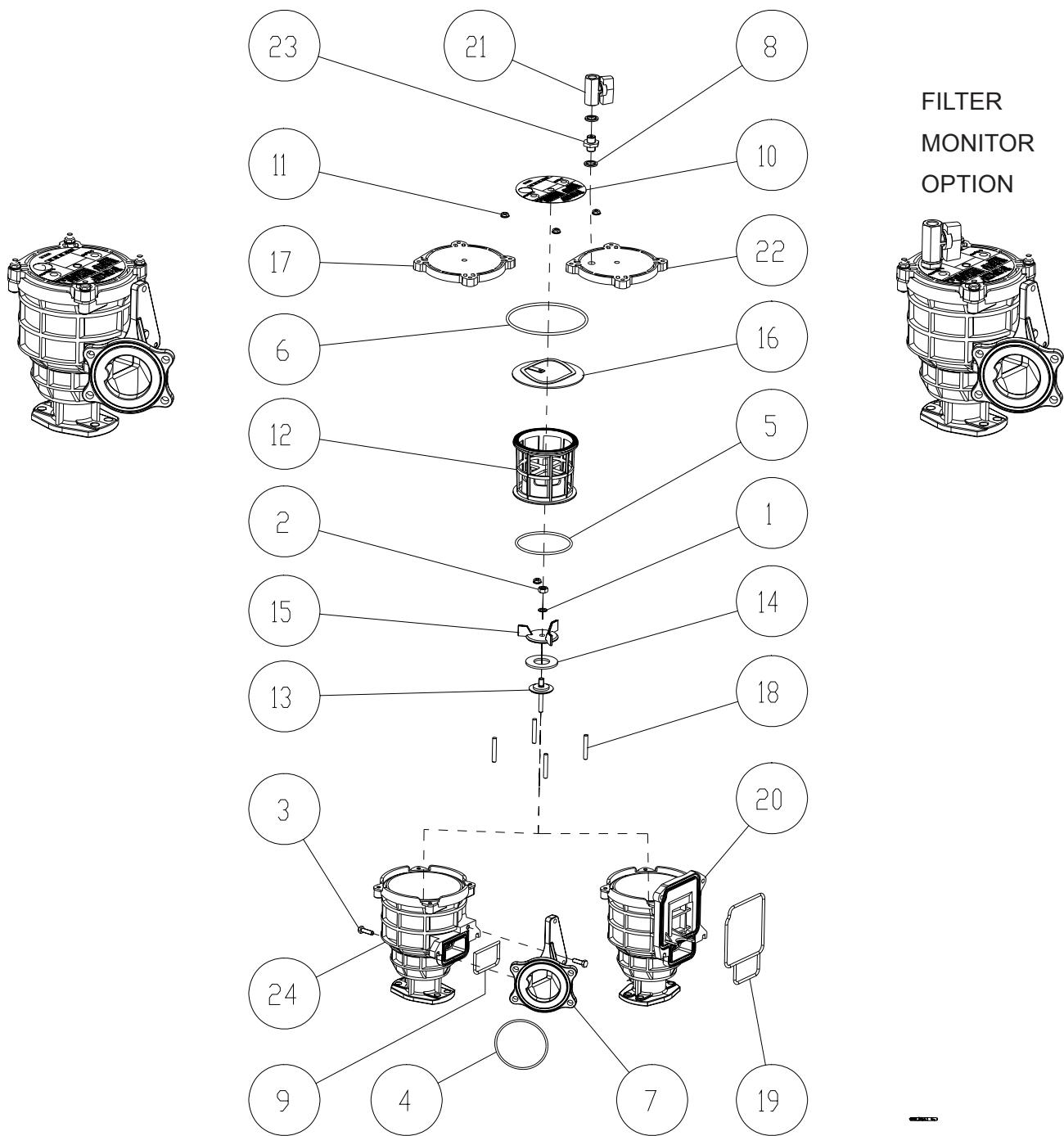
Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M8	Ecrou Bride Autobloquant M8	900013-004	
2	Screw HFHSL M8x25	Vis Hex Br Autobl M8x25	900016-007	
3	Screw HFHSL M8x30	Vis Hex Br Autobl M8x30	900016-008	
4	Screw HFHSL M10x30	Vis Hex Br Autobl M10x30	900016-017	
5	Screw HFHSL M10x40	Vis Hex Br Autobl M10x40	900016-018	
6	Screw HFHSL M8x50	Vis Hex Br Autobl M8x50	900016-022	
7	O-ring 49.00x6.00	Joint Torique 49.00x6.00	900050-028	
8	O-Ring 37,47x5,33	Joint Torique 37,47x5,33 (R28)	900050-047	
9	Shear valve	Raccord Cassant	901108	
10	Flange 1-1/2" 82mm	Bride 1-1/2" 82mm	901320-002	
11	Pipe flex weld assembly Flex Coup 1.5" O'ring P1/3 Q4T Flex Coup 1.5" O'ring P2/4 Q4T	Tube d'aspiration soude Flex. Conn 1.5 O'ring P1/3 Q4T Flex Conn 1.5" O'ring P2/4 Q4T	901900 904904 904905	Q400T only - 325mm length Q400T only - 207mm length
12	Flange backing	Contre-bride	901902	
13	Terminal earth cable	Collier de masse D60	901903	
14	Earthwire	Fil de mise a la terre	901904	
15	Gasket - Flange 76-84	Joint de bride 76-84	901905	
16	Flange backing for O-ring	Contre-bride pour joint torique	901906	
17	Assy flexwell 1 1/2" female Assy flexwell 1/2" female Assy flexwell 1 1/2" female Inst Kit Flex 1 1/2" BSPP 2/4 male Inst Kit Flex 1 1/2" BSPP 1/3 male	Tube d'aspiration soude 1 1/2" femelle Tube d'aspiration soude 1 1/2" femelle Tube d'aspiration soude 1 1/2" femelle Tube d'aspiration soude BSPP 2/4 male Tube d'aspiration soude BSPP 1/3 male	901929 906277 906280 905092 905093	Q400T only - 207mm length Q400T only - 325mm length Q400T only - 281mm length Q400T only - 208mm length

(Cont.)



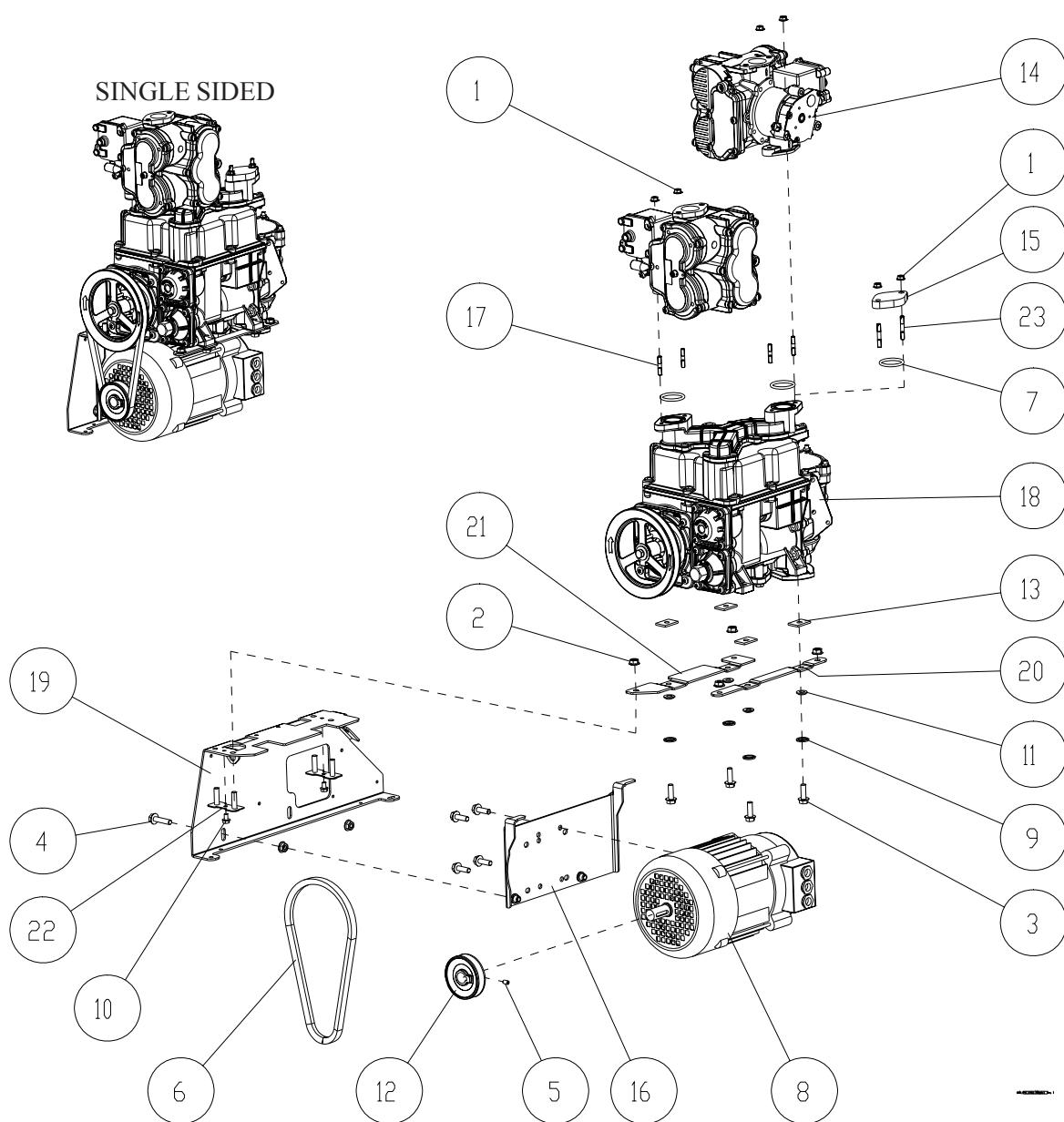
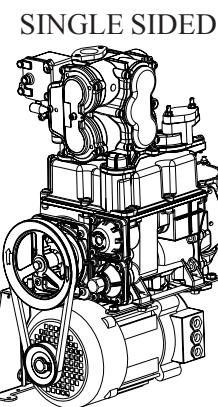
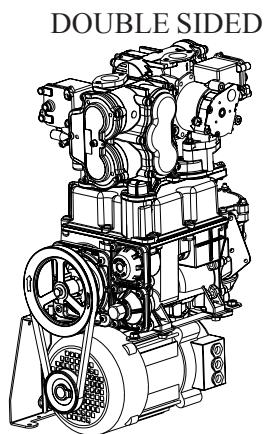
4.1 Flexible Connections (Cont.)

Item No	Description	Désignation Français	Part No	Comments
18	Gasket - Flange 82-110	Joint de bride 82-110	901930	
19	R11/2" x R11/2" Nipple	Machon R11/2" x R11/2"	902212-002	
20	R11/2" x R2" Nipple	Machon R11/2" x R2"	902212-003	
21	Nut - NEFIT coupling	Ecrou raccord NEFIT	902863	
22	Body - NEFIT coupling	Corps raccord NEFIT	902864	
	Body - NEFIT coupling anodised	Corps raccord NEFIT anodisé	943157	Ethanol compliant
23	Washer - NEFIT seal	Rondelle joint NEFIT	902865	
24	Sealing ring - NEFIT coupling	Joint raccord NEFIT	902866	
25	Top Hat Filter (inline)	Filtre "top hat"	902964	UK Option
26	Socket M/F 11/2" x 2"	Machon M/F 11/2" x 2"	903466-001	
27	Junction flange	Bride de jonction	903535	
28	Pipe NEFIT adaptor	Tube connexion NEFIT	903583	
	Pipe NEFIT adaptor Q400T	Tube connexion NEFIT Q400T	904849	Q400T only
	Rigid piping-shear valve pipe	Rigide tuyaux-raccord cassant	907876	Q400T direct connection only
29	1 1/2" Flexwell Pipe Assy 380mm	1 1/2" Flexwell Tube Assy 380mm	906639	
30	Gasket - Flange	Joint de bride	906960	
31	1 1/2" Flange Pipe 380mm	1 1/2" Bride tube 380mm	907008	



4.2 Filter Assembly

Item No	Description	Désignation Français	Part No	Comments
1	Washer Serr Lock Ext M8	Rondelle a Dents DEC M8	900009-002	
	Washer Serr Lock Ext M8	Rondelle a Dents DEC M8	900009-008	Ethanol
2	Nut Hex M8	Ecrou H M8	900011-003	
	Nut Valve	Ecrou de Valve	940948	Submerged
	Nut Valve	Ecrou de Valve	940954	Ethanol & Submerged
3	Screw HH M6x20	Vis H M6x20	900015-010	
4	O-Ring 78,00x3,00	Joint Torique 78,00x3,00	900050-008	EPZ/TQP-RS
5	O-Ring 82,14x3,53	Joint Torique 82,14x3,53	900050-025	
6	O-Ring 120.00 x 4.00	Joint Torique 120.00 x 4.00	900050-027	
	O-Ring 120.00 x 4.00	Joint Torique 120.00 x 4.00	900050-086	Ethanol & Low Temp
	O-Ring 120.00 x 4.00	Joint Torique 120.00 x 4.00	900050-096	Low Temperature
7	Adaptor EPZ-Filterbox	Adaptateur EPZ-Boite de Filtre	900358	EPZ/TQP-RS
8	Dowty Seal Self Centre 1/4" BSF	Dowty Joint Torique 1/4" BSP	900450-001	Filter monitor option
9	O-ring Filterbox	Joint de Filtre	900635	EPZ/TQP-RS
10	Sticker Filterbox Cover	Autocollant Couvercle Boite de	900636	
	Sticker Filterbox Cover	Autocollant Couvercle Boite de	900636-002	Low Temperature
11	Nut Hex Serpress M6	Ecrou Serpress M6	901295-001	
12	Filter 90 microns	Filtre 90 microns	901612	Standard
	Filter 25 microns	Filtre 25 microns	901613	Option
	Filter 12 microns	Filtre 12 microns	901614	Option
13	Foot Valve Guide	Guide Clapet	901690	
	Foot Valve Guide	Guide Clapet	940946	Submerged
	Foot Valve Guide	Guide Clapet	940953	Ethanol & Submerged
14	Foot Valve Flat Seal	Joint de Clapet	901691	
15	Foot Valve Head	Tete Clapet	901692	
	Foot Valve Head	Tete Clapet	940216	Ethanol
16	Spring Plate	Plaque supp. equipee	901693	
	Spring Plate E85	Plaque Supp. Equipee E85	940206	Ethanol
17	Filterbox Cover	Couvercle Boite de Filtre	901694	
	Filterbox Cover E85	Couvercle Boite de Filtre E85	940213	Ethanol
18	Stud M6x40 (18-4-18)	Goujon M6x40 (18-4-18)	901695	
19	O-ring Filterbox Support	Joint Platine BAF	902388	PAS V3
20	Filterbox	Boite de Filtre	902398	PAS V3
21	Valve - Ball (Mini)	Vanne Spherique(Mini)	903472-001	Filter monitor option
22	Cover - Adapted Filter Lid	Covercle - Adapte Filter	903473	Filter monitor option
23	Assy - Check Valve	Asm - Clapet Anti-retour	903478	Filter monitor option
24	Filterbox	Boite de Filtre	909769	EPZ/TQP-RS
	Filterbox E85	Boite de Filtre E85	941256	EPZ/TQP-RS Ethanol

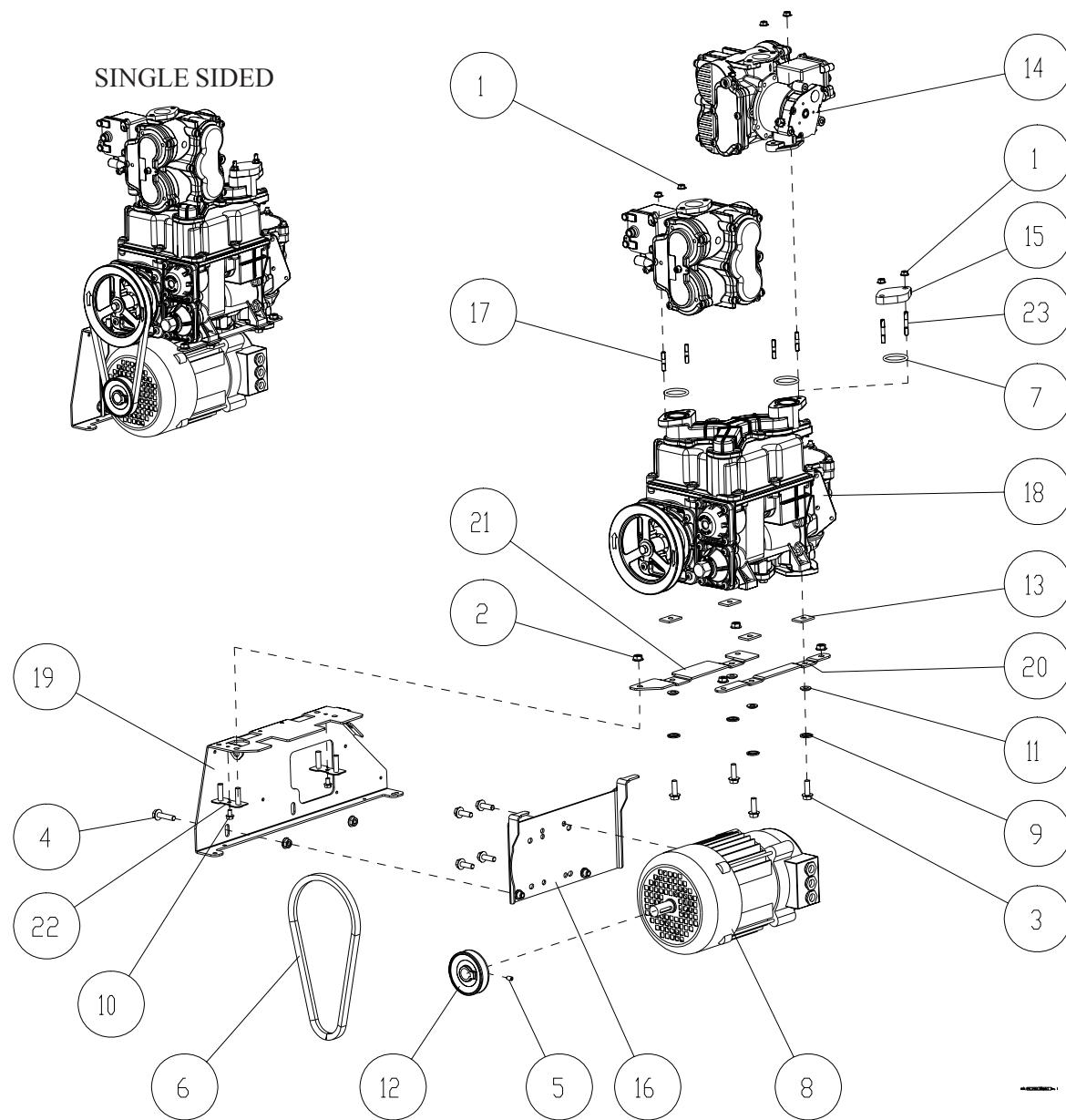
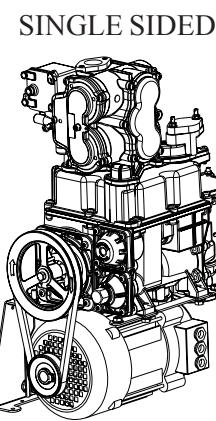
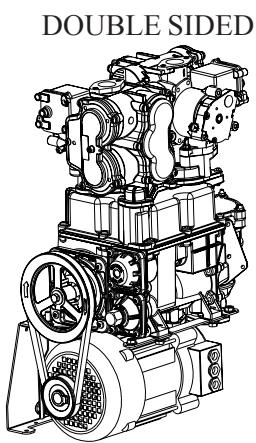


4.3 Hydraulic Stack Assemblies

4.3.1 EPZ HYDRAULIC STACK

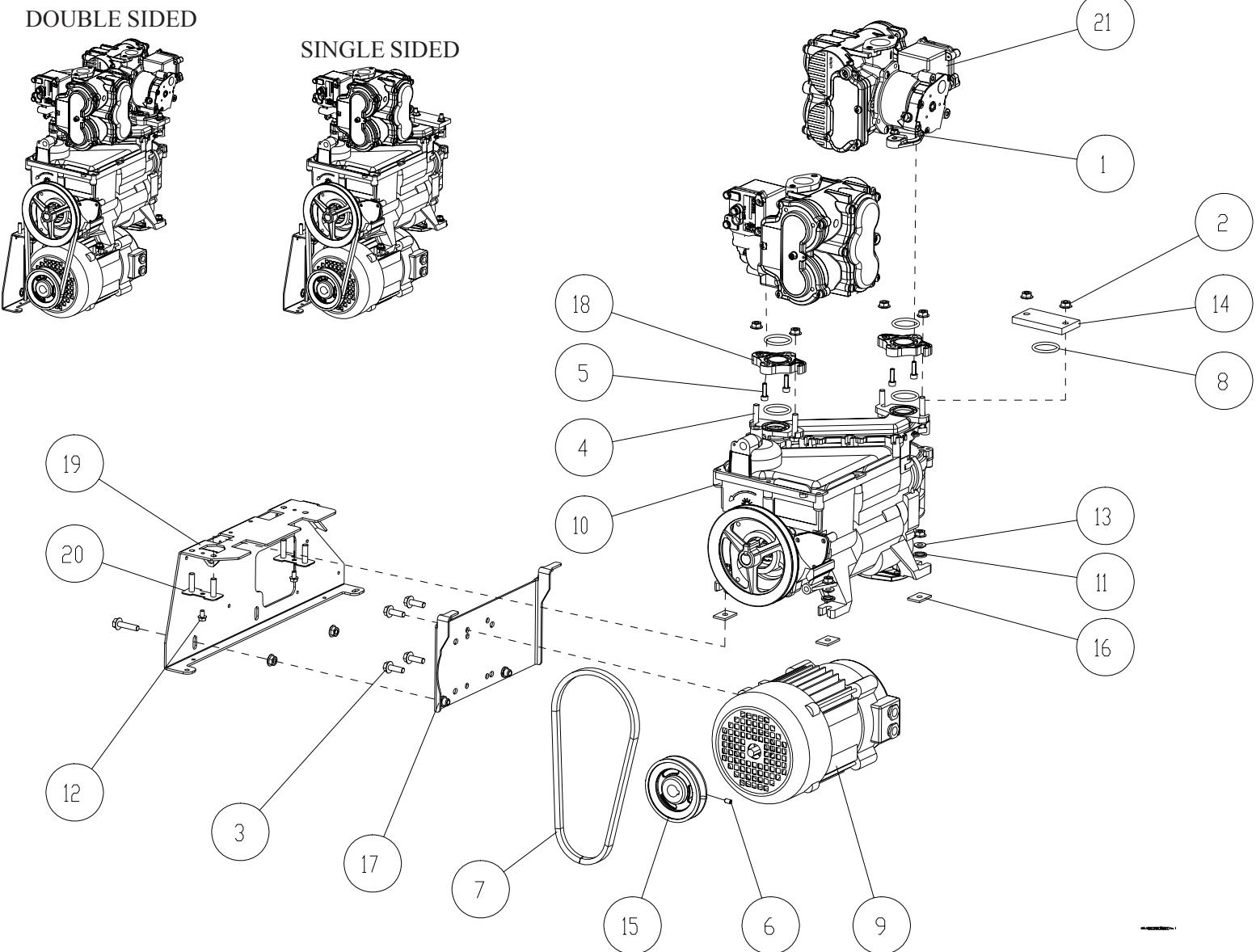
Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M6	Ecrou Bride Autobloquant M6	900013-003	
2	Nut Hex Self Lock M8	Ecrou Bride Autobloquant M8	900013-004	
3	Screw HFHSL M8x25	Vis Hex Br Autobl M8x25	900016-007	
4	Screw HFHSL M8x35	Vis Hex Br Autobl M8x35	900016-015	
5	Screw HSS Cup Point M6x10	Vis HCCU M6x10	900019-001	
6	V-Belt - 13 x 8 x 684 Lp	Courroie - 13 x 8 x 684 Lp	900028-003	
7	O-Ring 34 x 4	Joint Torique 34 x 4	900050-019	
8	Motor EXD 0.75kW 240V 50Hz	Mot. EXD 0.75kW 240V 50 Hz	900060-006	1PH 50Hz Rael
	Motor EXD 0.75kW 240V 60Hz	Mot. EXD 0.75kW 240V 60 Hz	900060-007	1PH 60Hz Rael
	Motor EXD 1kW CCW 1ph 60Hz	Moteur EXD Rael 1ph 60Hz	900060-013	1PH 60Hz Rael 1kW
	Motor EXD 0.75kW Star 400V 12c	Moteur EXD 0.75kW Star 400V 12c	900060-011	3PH STAR
9	Dowty Seal Self Centre 1/4" BSP	Dowty Joint Torique 1/4" BSP	900450-001	
10	Screw HFHTF M6x10	Vis Hex. Taraudeuse M6x10	900708-001	
11	Insulation Sleeve 8.2 mm	Manchon Isolant 8.2 mm	900758-003	
12	Pulley - Motor Datum Dp68mm	Poulie Moteur Axe Dp68mm	903963	
	Pulley - Motor Datum Dp60mm	Poulie Moteur Axe Dp60mm	906430	60Hz only
13	Damper Pump Foot	Assourdisseur de Pompe Pied	905324	
14	TM80 Meter	Meter TM80	945118-501	Refer to TM80 Manual
	TM80 Meter with EC	Meter TM80 EC	945118-507	Electronic Calibration
	TM80 Meter with TC	Meter TM80 TC	945118-513	Temperature Compensation
	SM80 Meter	Meter SM80	9508013206	Refer to SM80 Manual
	SM80 Meter with EC	Meter SM80 EC	909795	Electronic Calibration
	SM80 Meter with TC	Meter SM80 TC	909796	Temperature Compensation
15	Flange Oval Without Holes	Bride Ovale Sans Trou	908456	
16	Bracket Motor Assy	Asm Support Moteur	908803	
17	Stub Threaded specific M6x32	Goujon special M6x32	909271	

(Cont.)



4.3.1 EPZ HYDRAULIC STACK (CONT.)

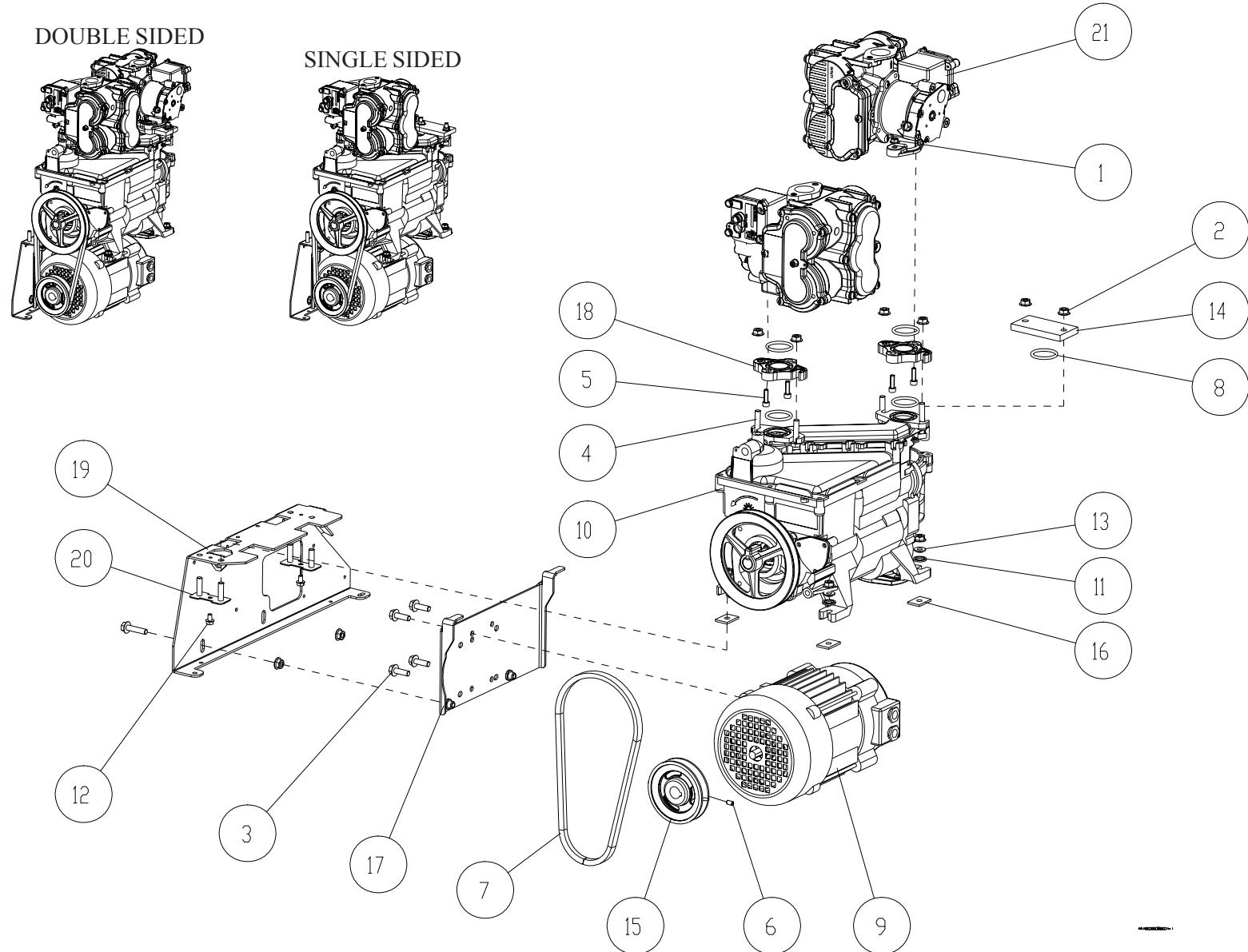
Item No	Description	Désignation Français	Part No	Comments
18	EPZ Stack Filter Box Assy Std	EPZ Stack Filter Box asm Std	909650-001	Refer to TQP-RS Manual
	EPZ Stack Filter Box Assy Low Temp	EPZ Stack Filter Box Assy Low Temp	909650-002	
	EPZ Stack Filter Box Assy E85	EPZ Stack Filter Box Assy E85	909650-005	
	EPZ Stack Filter Box Assy LT E85	EPZ Stack Filter Box Assy LT E85	909650-006	
	EPZ Stack No Filter Assy Std	EPZ Stack No Filter Assy Std	909652-001	
	EPZ Stack No Filter Assy Low Temp	EPZ Stack No Filter Assy Low Temp	909652-002	
	EPZ Stack No Filter Assy E85	EPZ Stack No Filter Assy E85	909652-005	
	EPZ Stack No Filter Assy LT E85	EPZ Stack No Filter Assy LT E85	909652-006	
	EPZ Stack Int.Filter, Flex Con Assy Std	EPZ Stack Int.Filter, Flex Con Assy Std	909654-003	
	EPZ Stack Int.Filter, Flex Con Assy LT	EPZ Stack Int.Filter, Flex Con Assy LT	909654-004	
	EPZ Stack Int.Filter, Flex Con Assy E85	EPZ Stack Int.Filter, Flex Con Assy E85	909654-005	
	EPZ Stack Int.Filter, Flex Con Asm LT E85	EPZ Stack Int.Filter, Flex Con Asm LT E85	909654-006	
19	Pump Bracket Universal	Support Pompe Universal	942174	
20	Adaptor EPZ75 Uni	Adaptateur EPZ75 Uni	942178	
21	Adaptor EPZ75 Uni B	Adaptateur EPZ75 Uni B	942310	
22	Assy Bracket Stud	Asm Support Goujon	942697	
23	SSTL Stud M6 x 40	SSTL Goujon M6 x40	947122	



4.3.2 PAS V3 HYDRAULIC STACK

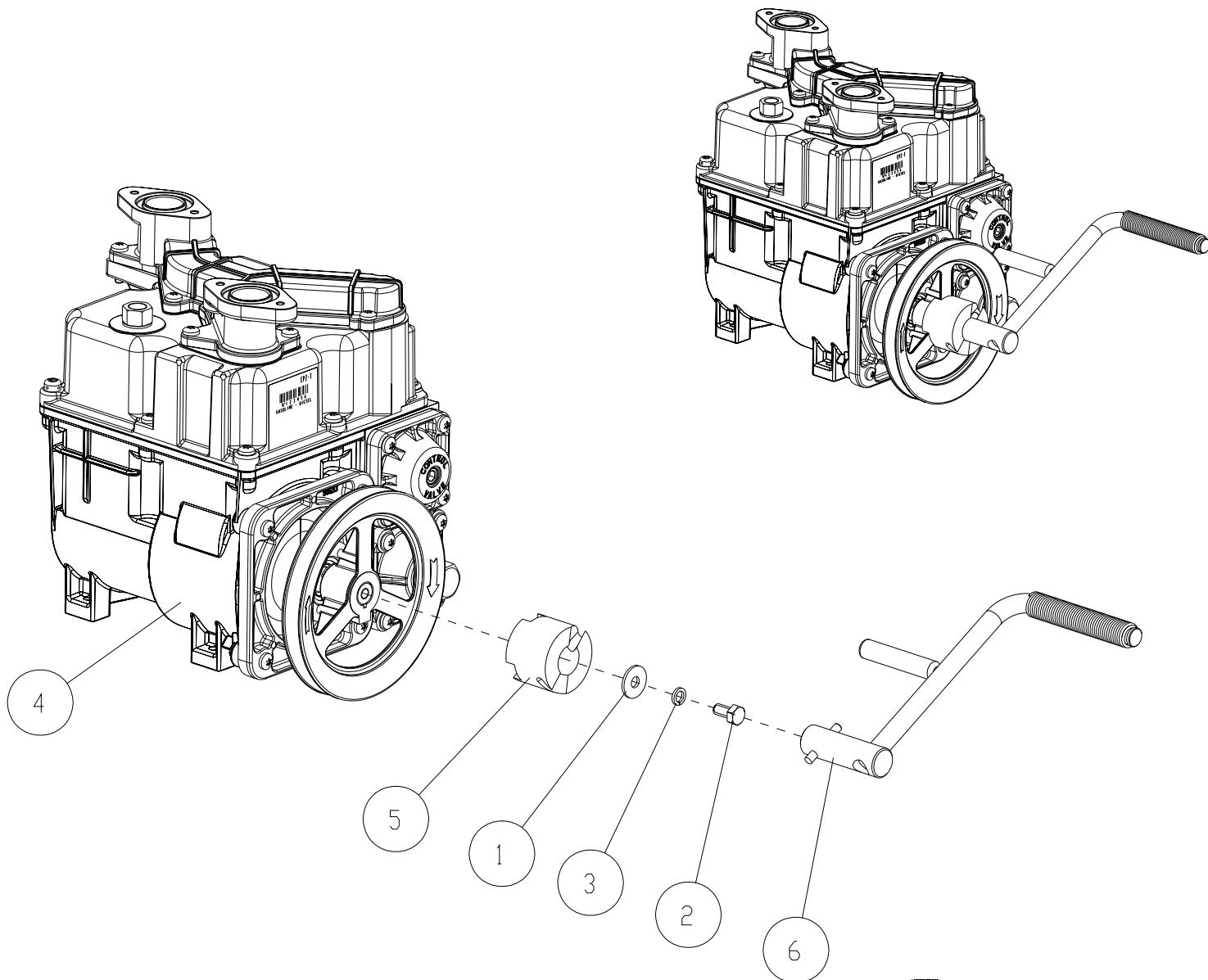
Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M6	Ecrou Bride Autobloquant M6	900013-003	
2	Nut Hex Self Lock M8	Ecrou Bride Autobloquant M8	900013-004	
3	Screw HFHSL M8x25	Vis Hex Br Autobl M8x25	900016-007	
4	Screw HFHSL M8x35	Vis Hex Br Autobl M8x35	900016-015	
5	Screw HSHC M6x20	Vis CHC M6x20	900017-006	
6	Screw HSS Cup Point M6x10	Vis HCCU M6x10	900019-001	
7	V-Belt - 13 x 8 x 745 Lp	Courroie - 13 x 8 x 745 Lp	900028-004	80L PASV3 only
	V-Belt - 13 x 8 x 720 Lp	Courroie - 13 x 8 x 720 Lp	900028-005	80L PASV3 & 130L PASV3 60Hz
	V-Belt - 13 x 8 x 684 Lp	Courroie - 13 x 8 x 684 Lp	900028-003	130L PASV3 60Hz only
8	O-ring 34 x 4	Joint Torique 34 x 4	900050-097	
9	Motor EXD 3phase DELTA 1kW	Moteur EXD 3phase DELTA 1kW	900068-002	80L PASV3 only
	Motor EXD 3phase DELTA 1.5kW	Moteur EXD 3phase DELTA 1.5kW	900068-003	130L PASV3 only
	Motor EXD 3phase STAR 1kW	Moteur EXD 3phase STAR 1kW	900060-002	80L PASV3 only
	Motor EXD 3phase STAR 1.5kW	Moteur EXD 3phase STAR 1.5kW	900060-003	130L PASV3 only
	Motor EXD 1ph RAEEL 50Hz 1kW CCW	Moteur EXD 1ph RAEEL 50Hz 1kW CCW	900060-012	80L PASV3 only
	Motor 1ph ELNOR 50Hz 1.5kW CCW	Moteur 1ph ELNOR 50Hz 1.5kW CCW	942703	130L PASV3 only
	Motor 1ph ELNOR 60Hz 1.5kW CCW	Moteur 1ph ELNOR 60Hz 1.5kW CCW	942702	130L PASV3 only
10	PASV3 Pump	PASV3 Pompe	900359-001	Std & E85, Refer to TQP-HS Manual
	PASV3 Pump Low Temp	PASV3 Pompe Low Temp	900359-002	Low Temperature & LT E85
11	Dowty Seal Self Centre 1/4" BSP	Dowty Joint Torique 1/4" BSP	900450-001	
12	Screw HFHTF M6x10	Vis Hex. Taraudeuse M6x10	900708-001	
13	Insulation Sleeve 8.2 mm	Manchon Isolant 8.2 mm	900758-003	
14	Blanking Plate PAS V3	Plaque d'Obturation PAS V3	901723	
15	Motor Pulley Dp 95mm	Poulie Moteur Dp 95mm	901768	80L PASV3 only
	Motor Pulley Dp 71mm	Poulie Moteur Dp 71mm	901769	130L PASV3 only
	Motor Pulley 60Hz Dp 80mm	Poulie moteur 60Hz Dp 80mm	906444	80L PASV3 only
	Motor Pulley 60Hz Dp 60mm	Poulie moteur 60Hz Dp 60mm	906430	130L PASV3 60Hz only

(Cont.)



4.3.2 PAS V3 HYDRAULIC STACK (CONT.)

Item No	Description	Désignation Français	Part No	Comments
16	Damper Pump Foot	Assourdisseur de Pompe Pied	905324	
17	Motor Bracket Assy	Asm Support Moteur	908803	
18	Meter Flange SM80/V3	Contre Bride SM80/V3	908927	
19	Pump Bracket Universal	Support Pompe Universal	942174	
20	Assy Bracket Stud	Asm Support Goujon	942697	
21	TM80 Meter	Meter TM80	945118-501	Refer to TM80 Manual
	TM80 Meter with EC	Meter TM80 EC	945118-507	Electronic Calibration
	TM80 Meter with TC	Meter TM80 TC	945118-513	Temperature Compensation
	SM80 Meter	Meter SM80	9508013206	Refer to SM80 Manual
	SM80 Meter with EC	Meter SM80 EC	909795	Electronic Calibration
	SM80 Meter with TC	Meter SM80 TC	909796	Temperature Compensation

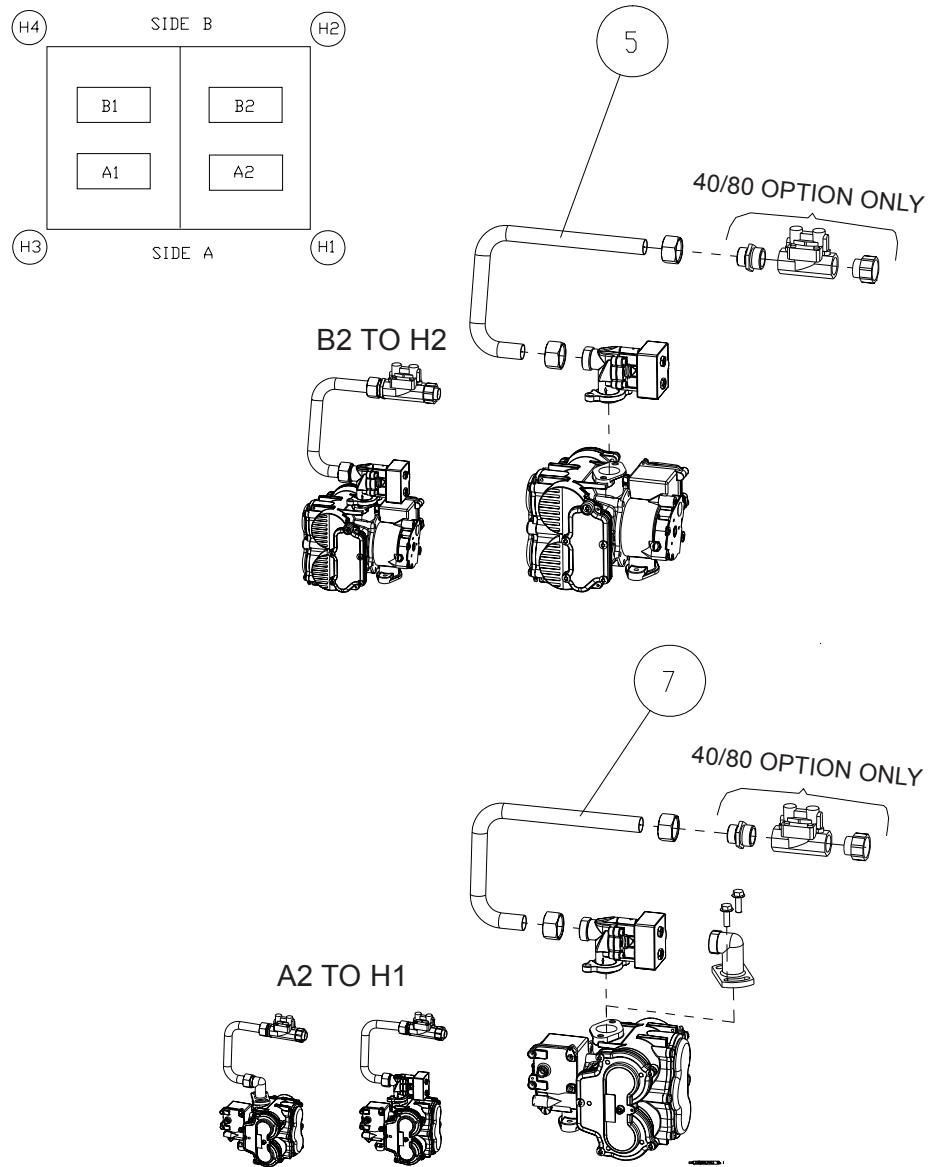
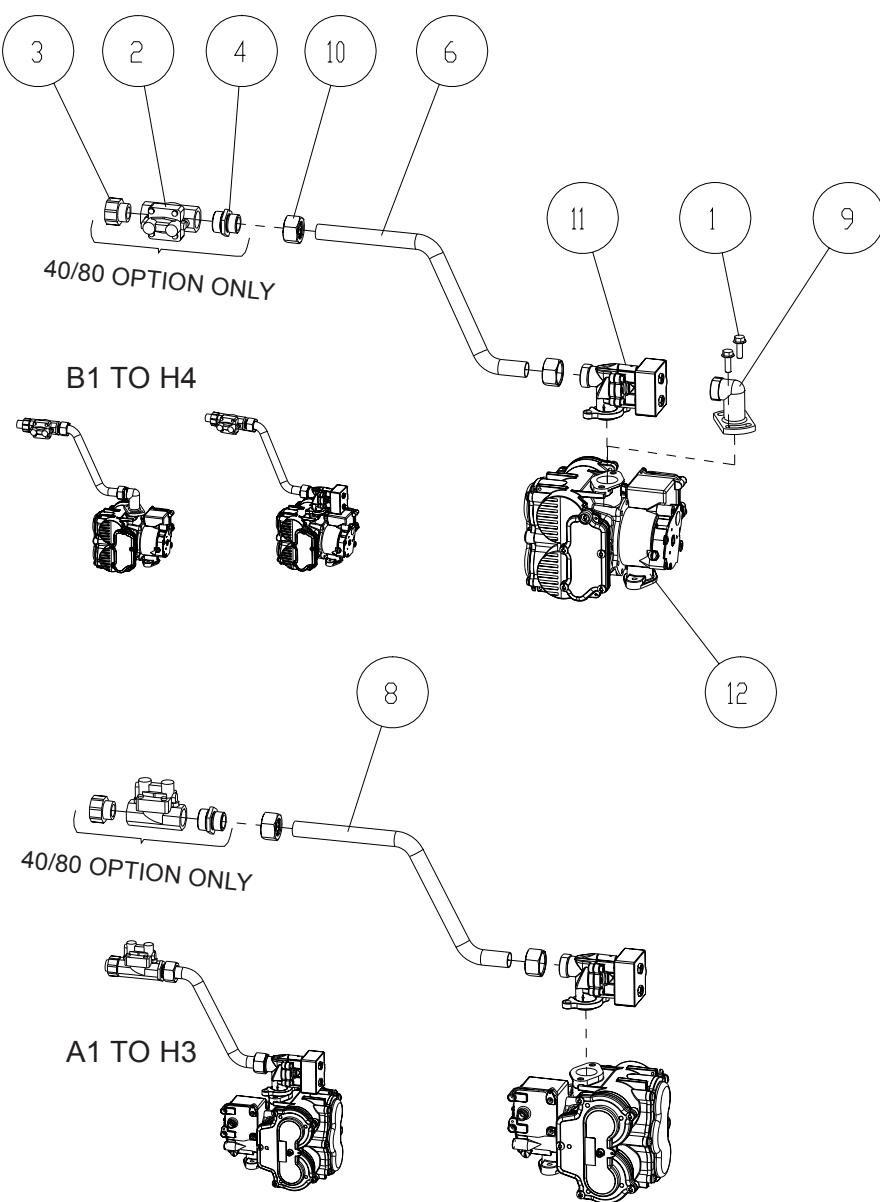


4.4 Hand Crank Assembly

Item No	Description	Désignation Français	Part No	Comments
1	Washer PI d2=3xd1 M8	Rondelle PI d2=3xd1 M8	900008-006	
2	Screw HH M8x16	Vis H M8x16	900015-011	
3	Washer Spring Lock M 8	Rondelle Elast. W 8	900051-005	
4	Pump Assembly	Asm Pompe	-	Refer to Hydraulic Stack Assemblies
5	Crank Adaptor	Crank Adaptor	946131	
6	Crank Handle Assembly	Crank Handle Assembly	946133	

Dispenser Hydraulics

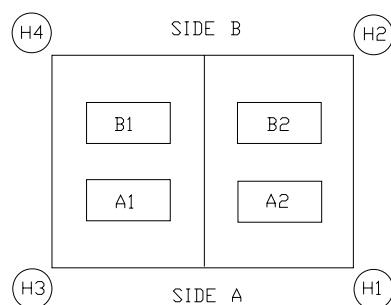
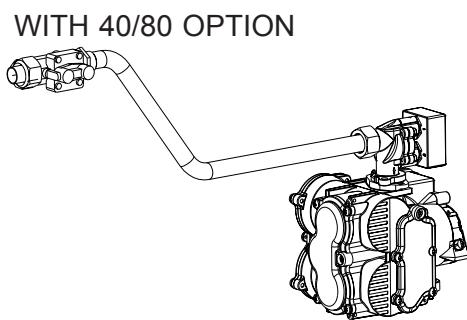
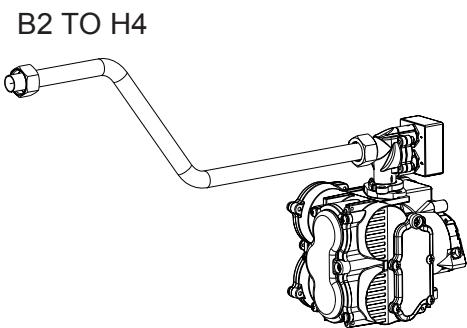
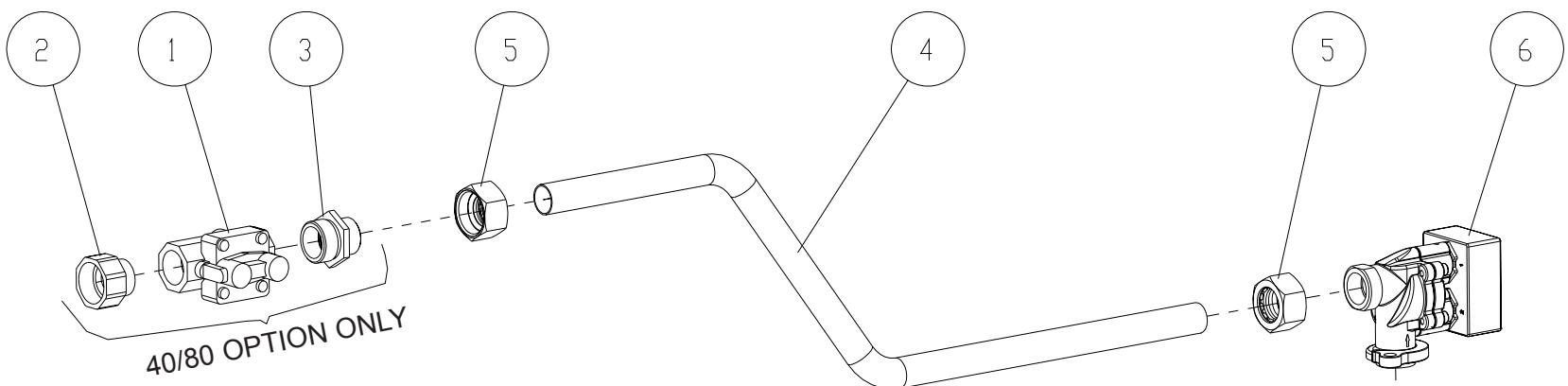
Quantum 310 Parts Manual



4.5 Meter to Hose Assemblies

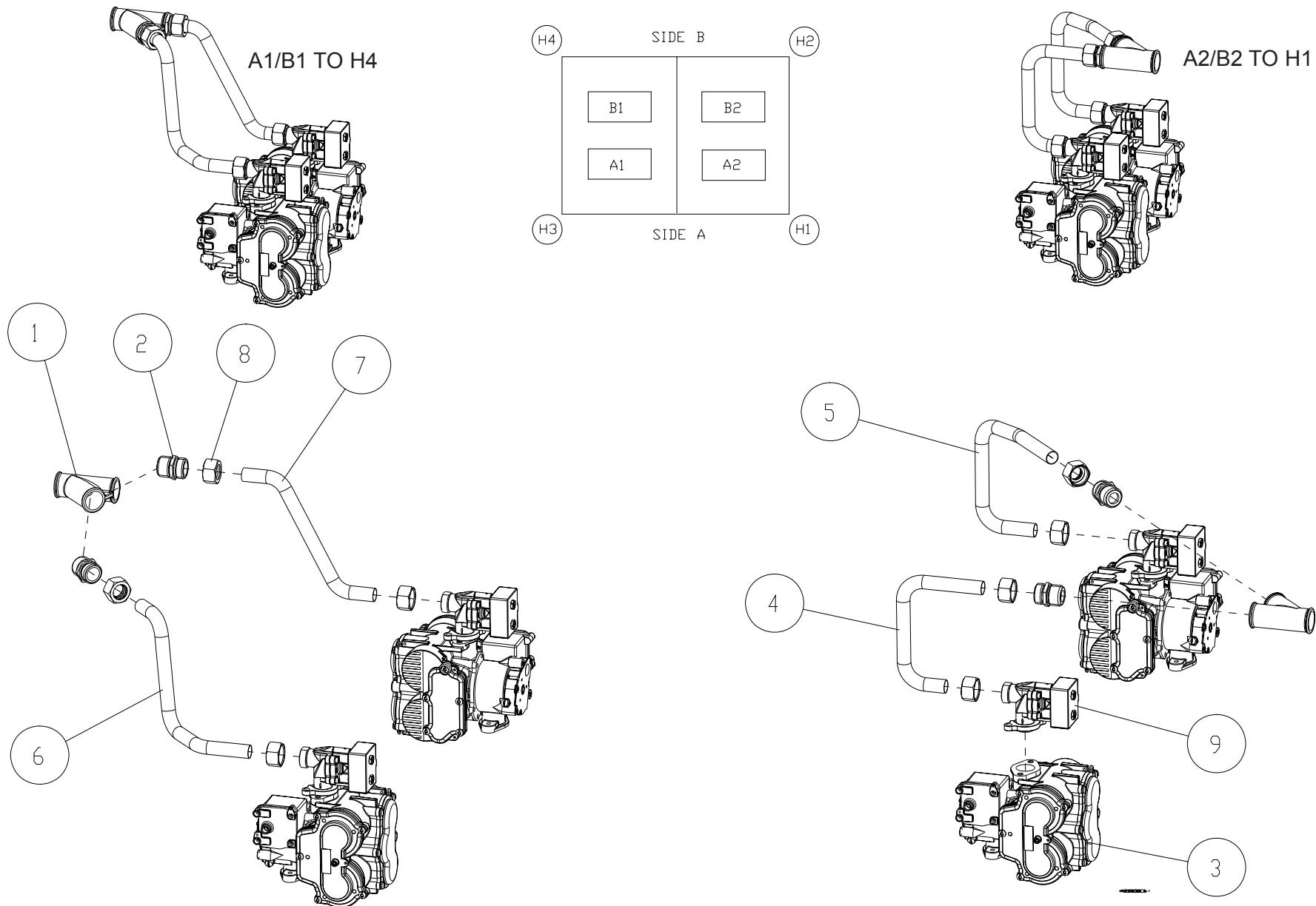
4.5.1 STANDARD PIPE ASSEMBLIES - A2 TO H1, B2 TO H2, A1 TO H3 AND B1 TO H4

Item No	Description	Désignation Français	Part No	Comments
1	Screw HFHSL M8 x 25	Vis Hex Br Autobl M8 x 25	900016-007	
2	Inline Valve Assembly	Inline Valve Assembly	-	Option only, Refer to Valve & Fittings
3	Adaptor 1"F - 3/4"M	Adaptata F1 x M3/4	902968	
4	Nipple M-M 1" to 3/4"	Mamelon M-M 1" à 3/4"	906178	
5	Pipe B2 - H2	Tube B2 - H2	941248	
6	Pipe B1 - H4	Tube 2 B1-H4	941249	
7	Pipe A2 - H1	Tube A2 - H1	941250	
8	Pipe A1_H3	Tube A1_H3	941251	
9	Outlet Elbow, Cast	Coude, Aluminium Moule	947587	
10	22mm Pipe Nut Assembly	22mm Pipe Nut Assembly	-	Refer to Pipe Nut Assemblies
11	Valve Assembly	Valve Assembly	-	Refer to Valve & Fittings Assemblies
12	Meter Assembly	Meter Assembly	-	Refer to Hydraulic Stack Assemblies



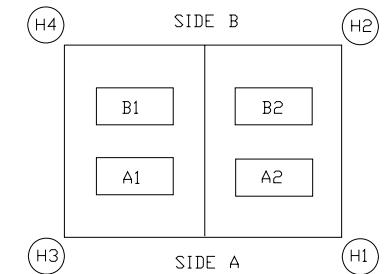
4.5.2 METER B2 TO HOSE H4

Item No	Description	Désignation Français	Part No	Comments
1	Piston Valve 3/4 POM/PPS	Soupape 3/3 DN17 POM/PPS	900080	Option only, Refer to Valve & Fittings
2	Adaptor 1" Female - 3/4" Male	Adaptata F1 x M3/4	902968	
3	Nipple M-M 1" to 3/4"	Mamelon M-M 1" a 3/4"	906178	
4	Pipe B2 - H4	Tube B2 - H4	946138	
5	22mm Pipe Nut Assembly	22mm Pipe Nut Assembly	-	Refer to Pipe Nut Assemblies
6	Valve Assembly	Valve Assembly	-	Refer to Valve & Fittings Assemblies
7	Meter Assembly	Meter Assembly	-	Refer to Hydraulic Stack Assemblies

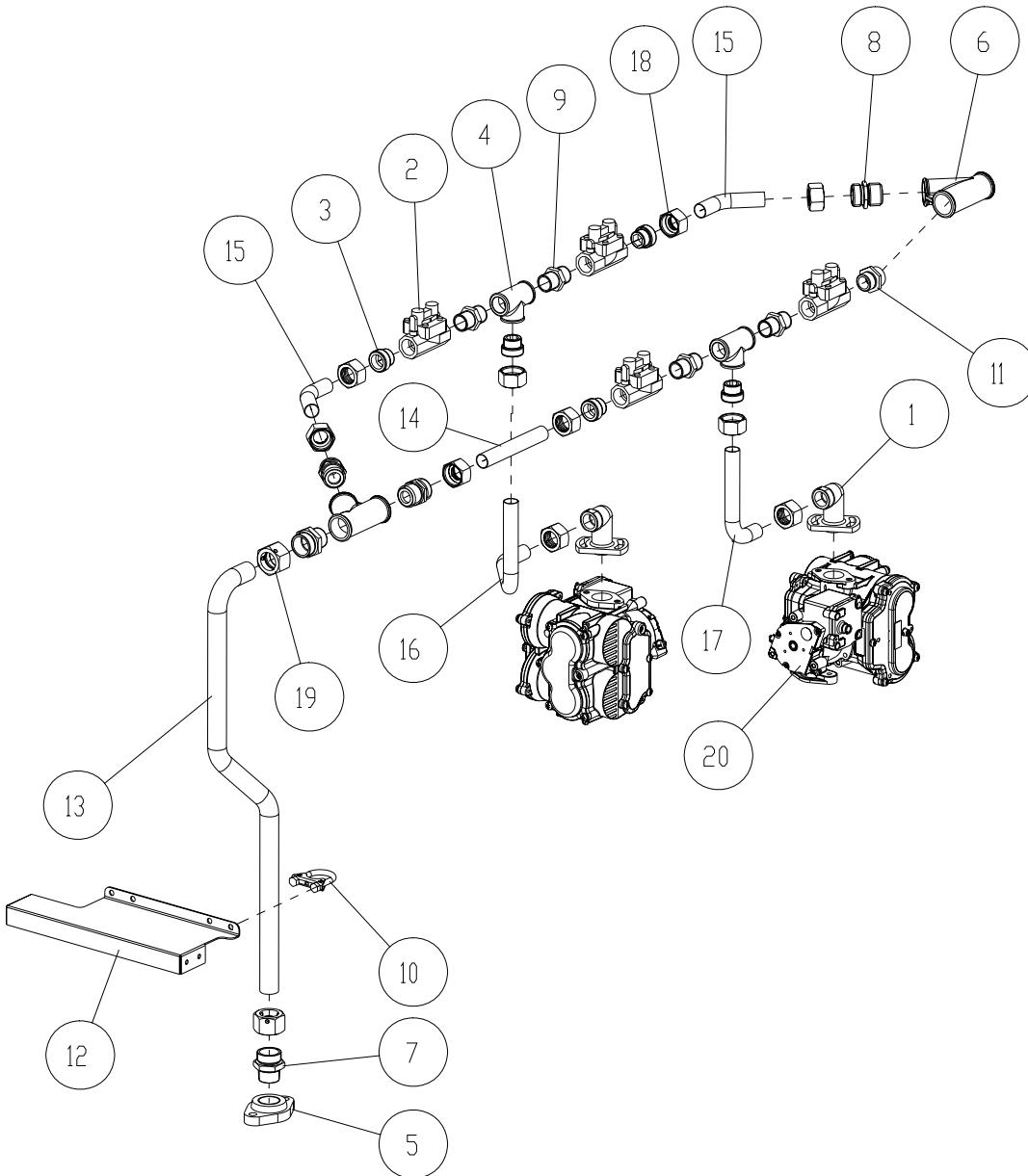
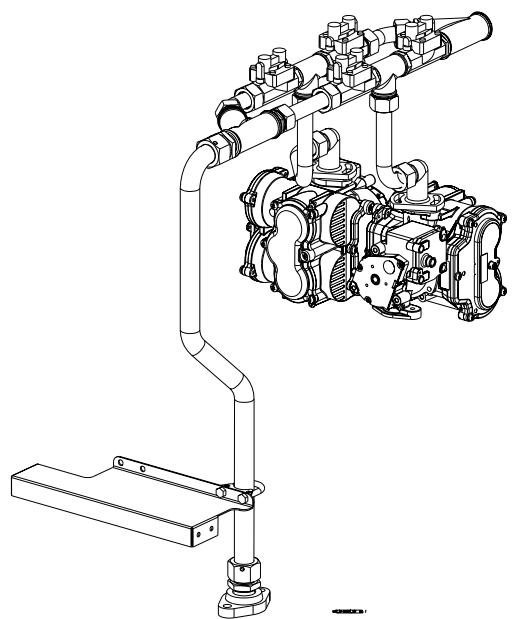


4.5.3 METERS A1/B1 TO HOSE H4 & METERS A2/B2 TO HOSE H1

Item No	Description	Désignation Français	Part No	Comments
1	T45° egal piece 1"	Té45° égale pièce 1"	901610-001	
2	Nipple 22mm G1"-G1"	Douille 22 mm G1"-G1"	901772	
3	Meter Assembly	Meter Assembly	-	Refer to Hydraulic Stack Assemblies
4	Pipe A2 - H1	Tube A2 - H1	945971	
5	Pipe B1 - H1	Tube B1 - H1	945972	
6	Pipe A1 - H4	Tube A1 - H4	945973	
7	Pipe B1_H4	Tube B1- H1	945974	
8	22mm Pipe Nut Assembly	22mm Pipe Nut Assembly	-	Refer to Pipe Nut Assemblies
9	Valve Assembly	Valve Assembly	-	Refer to Valve & Fittings Assemblies

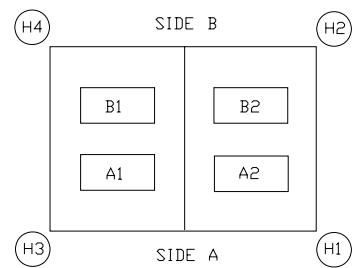
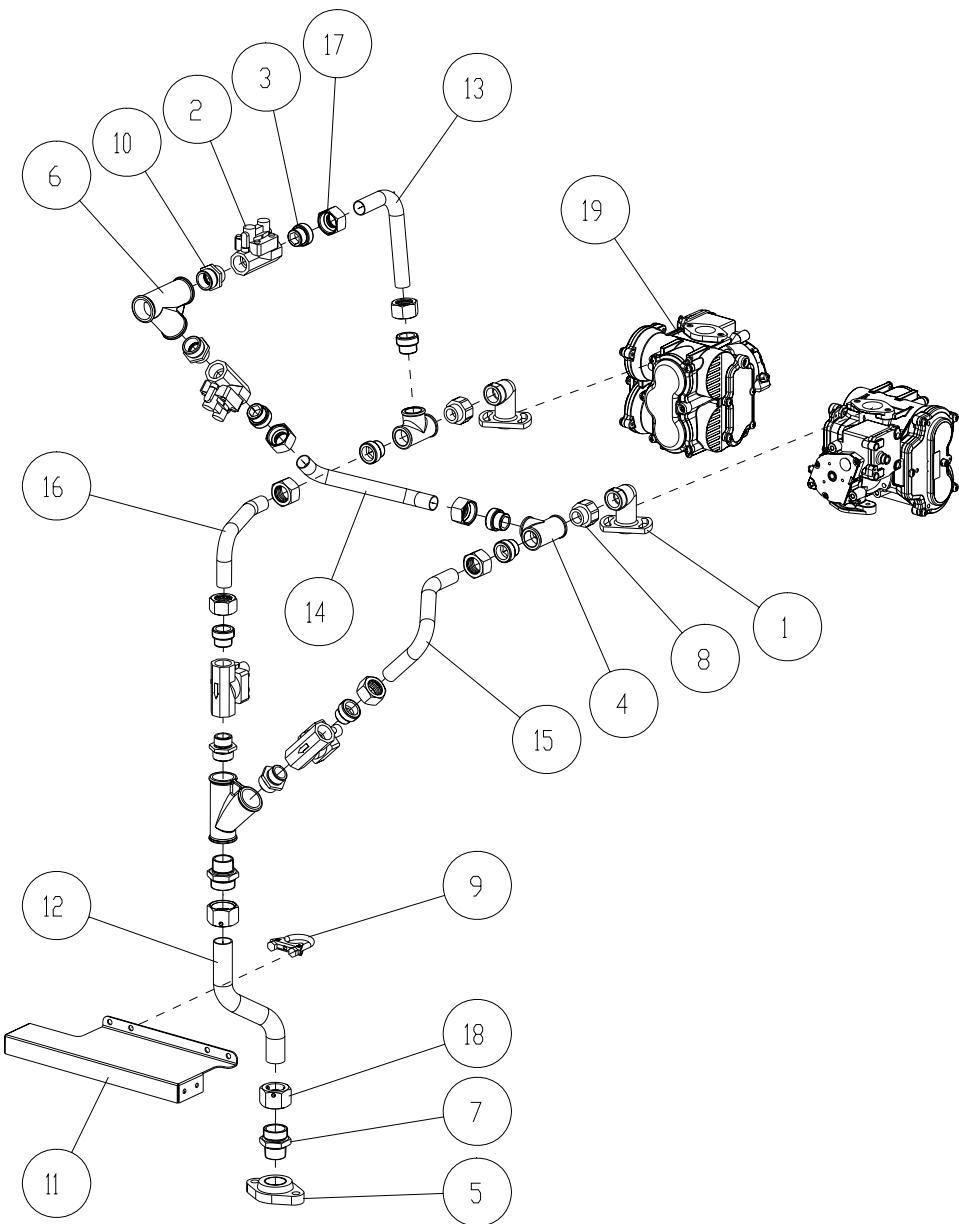


A2/B2 TO H1 WITH SATELLITE

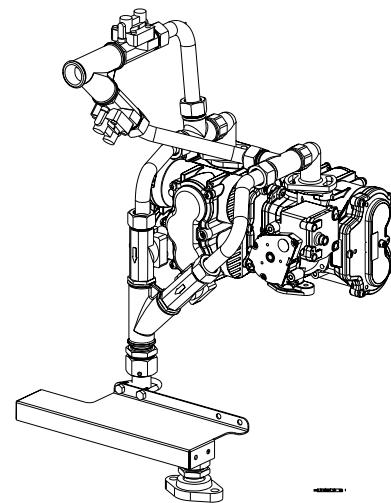


4.5.4 METERS A2/B2 TO HOSE H1 WITH SATELLITE

Item No	Description	Désignation Français	Part No	Comments
1	Cast Aluminium Elbow Outlet	Coude Aluminium Moule	5536000024	
2	Piston Valve 3/4 POM/PPS	Soupape 3/4DN17 POM/PPS	-	Refer to Valve & Fittings Assemblies
3	Nipple 22mm G1"-G3/4"	Douille 22mm G1	900416	
4	T 3/4" Female Thread	Raccord Te 3/4" Filet Fem	900847-001	
5	Flange 1" 78mm	Bride 1" 78mm	901320-001	
6	T45° Egal Piece 1"	Té45° Egale Pièce 1"	901610-001	
7	Nipple 28mm M36x2-R1"	Douille 28mm M36x2-R1"	901767	
8	Nipple 22mm G1"-G1"	Douille 22 mm G1"-G1"	901772	
9	R3/4" x R3/4" Nipple	Machon R3/4" x R3/4"	902212-001	
10	32mm Clamp	Bride de 32mm	904256	
11	Nipple M-M 1" to 3/4"	Mamelon M-M 1" à 3/4"	906178	
12	Satellite Bracket	Satellite Bracket	945698	
13	Pipe SAT Mast 1	Tube SAT Mast 1	945746	
14	Pipe A2 SAT	Tube A2 SAT	945752	
15	Pipe B2 Hose	Tube B2 Hose	945754	
16	Pipe B2 Meter	Tube B2 Meter	945993	
17	Pipe A2 Meter	Tube A2 Meter	945994	
18	22mm Pipe Nut Assembly	22mm Pipe Nut Assembly	-	Refer to Pipe Nut Assemblies
19	28mm Pipe Nut Assembly	28mm Pipe Nut Assembly	-	Refer to Pipe Nut Assemblies
20	Meter Assembly	Meter Assembly	-	Refer to Hydraulic Stack Assemblies

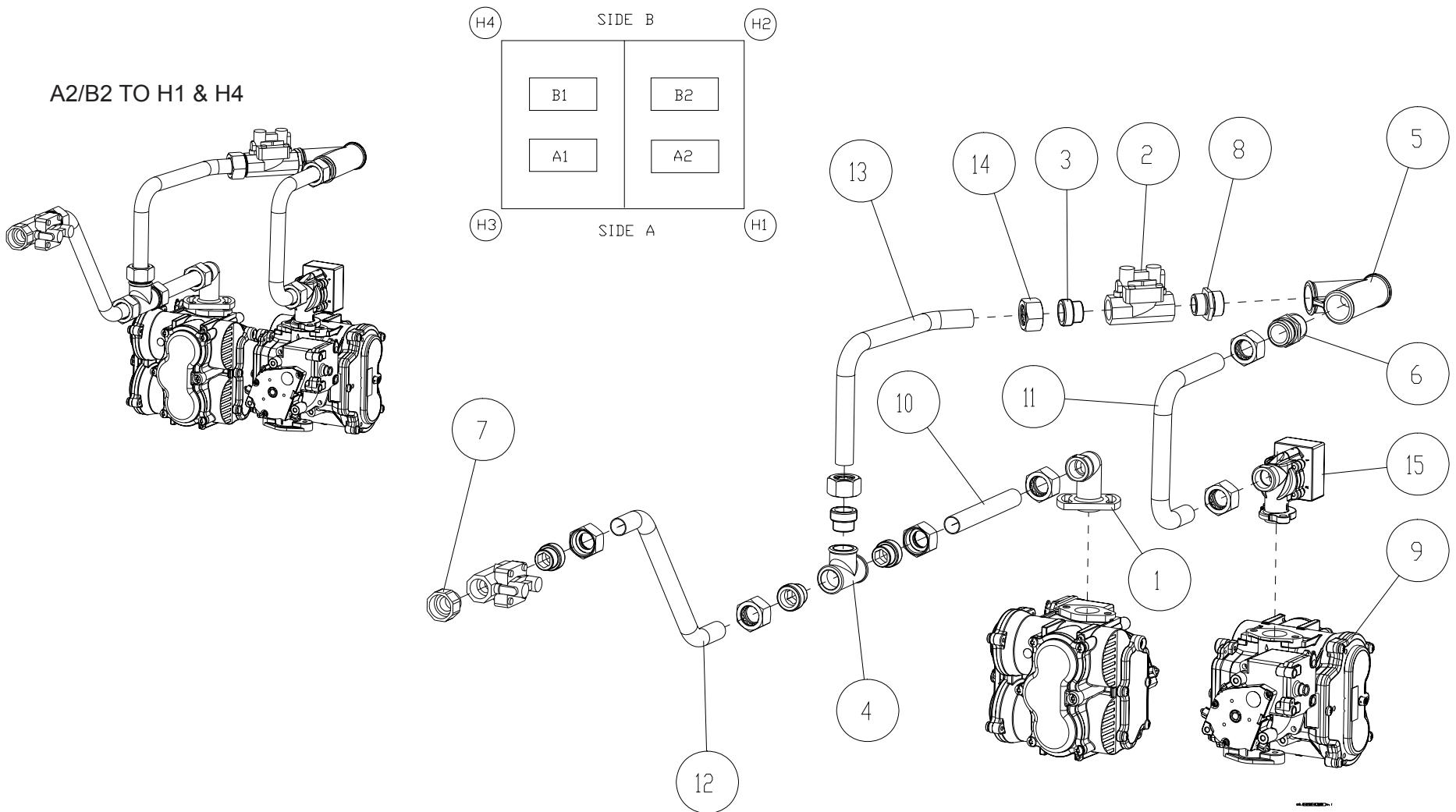


A1/B1 TO H4 WITH SATELLITE



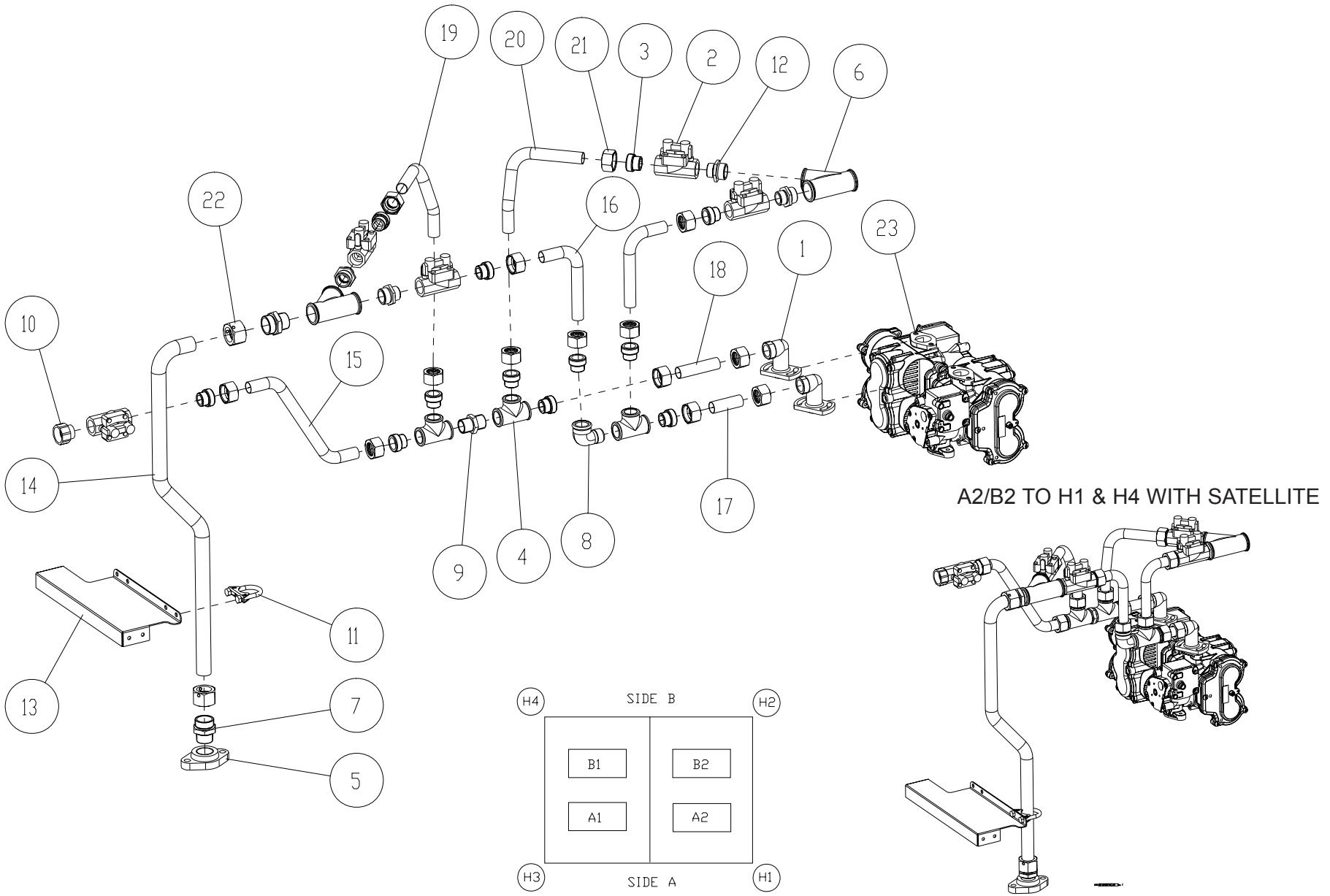
4.5.5 METERS A1/B1 TO HOSE H4 WITH SATELLITE

Item No	Description	Désignation Français	Part No	Comments
1	Cast Aluminium Elbow Outlet	Coude Aluminium Moule	5536000024	
2	Piston Valve 3/4 POM/PPS	Soupape 3/4DN17 POM/PPS	-	Refer to Valve & Fittings Assemblies
3	Nipple 22mm G1"-G3/4"	Douille 22mm G1	900416	
4	T 3/4" Female Thread	Raccord Te 3/4" Filet Fem	900847-001	
5	Flange 1" 78mm	Bride 1" 78mm	901320-001	
6	T45° Egal Piece 1"	Té45° Egale Pièce 1"	901610-001	
7	Nipple 28mm M36x2-R1"	Douille 28mm M36x2-R1"	901767	
8	Adaptor 1"F - 3/4"M	Adaptata F1 x M3/4	902968	
9	32mm Clamp	Bride de 32mm	904256	
10	Nipple M-M 1" to 3/4"	Mamelon M-M 1" à 3/4"	906178	
11	Satellite Bracket	Satellite Bracket	945698	
12	Pipe SAT Connection	Tube SAT	945759	
13	Pipe B1 Meter	Tube B1 Meter	945995	
14	Pipe B1 SAT	Tube B1 SAT	945996	
15	Pipe A1 Meter	Tube A1 Meter	945998	
16	Pipe A1 SAT	Tube A1 SAT	945999	
17	22mm Pipe Nut Assembly	22mm Pipe Nut Assembly	-	Refer to Pipe Nut Assemblies
18	28mm Pipe Nut Assembly	28mm Pipe Nut Assembly	-	Refer to Pipe Nut Assemblies
19	Meter Assembly	Meter Assembly	-	Refer to Hydraulic Stack Assemblies



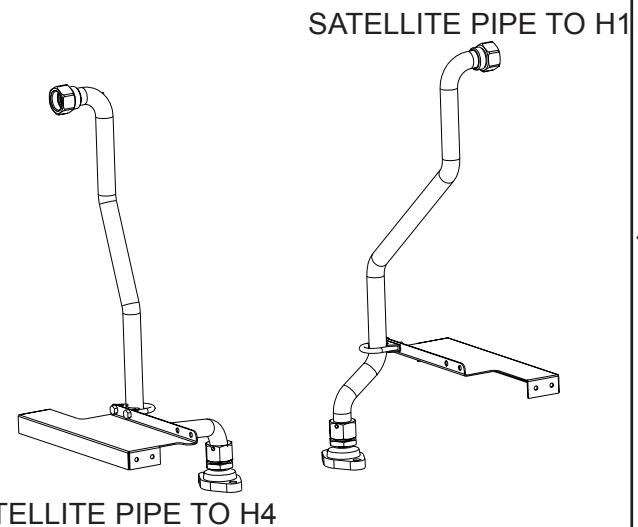
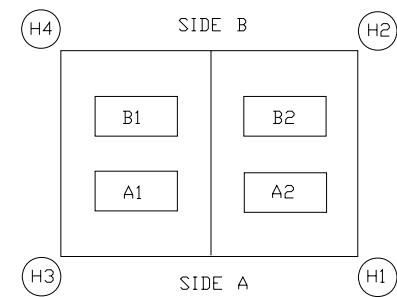
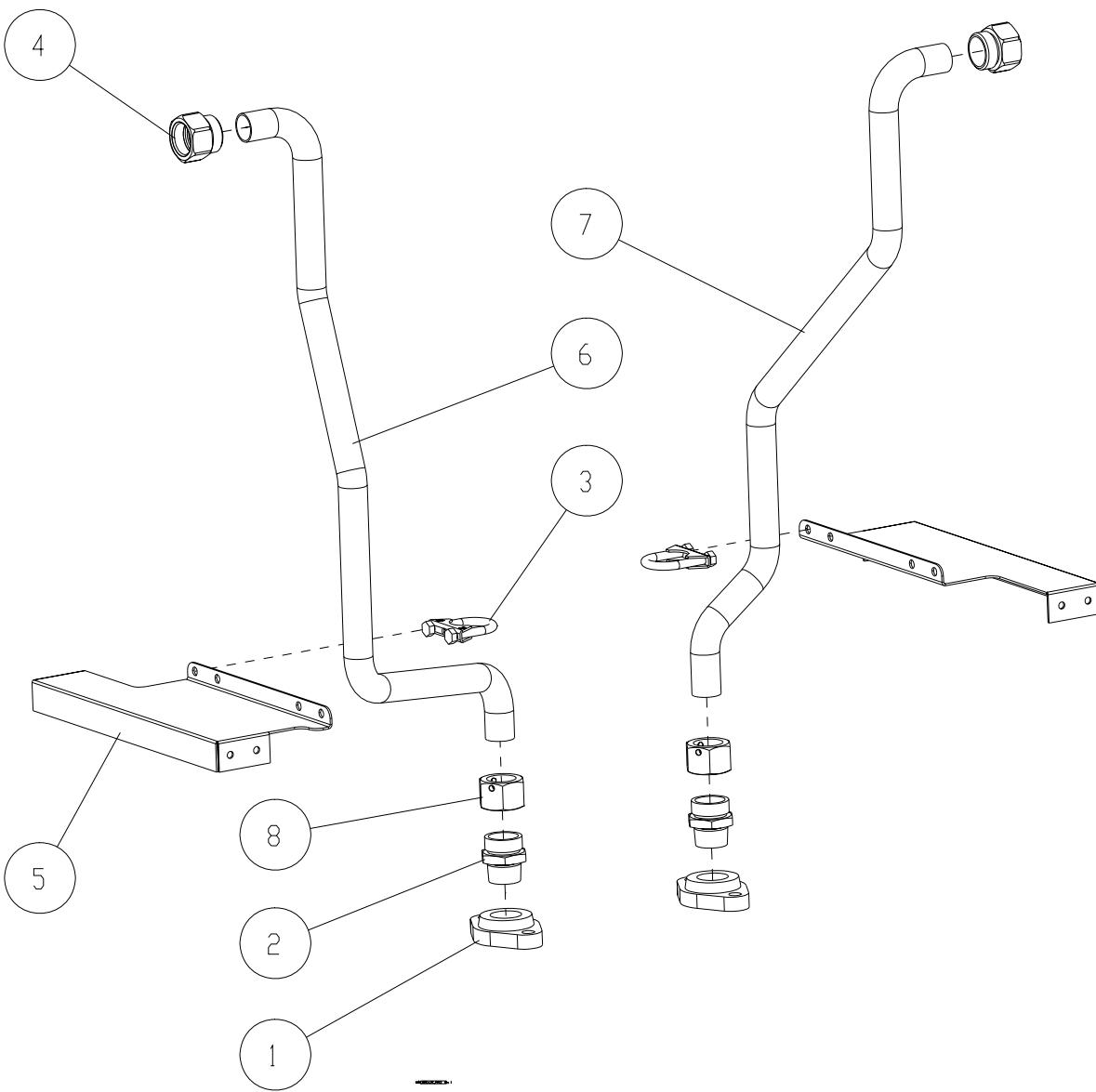
4.5.6 METERS A2/B2 TO HOSE H1 & H4

Item No	Description	Désignation Français	Part No	Comments
1	Cast Aluminium Elbow Outlet	Coude Aluminium Moule	5536000024	
2	Piston Valve 3/4 POM/PPS	Soupape 3/4DN17 POM/PPS	-	Refer to Valve & Fittings Assemblies
3	Nipple 22mm G1"-G3/4"	Douille 22mm G1	900416	
4	T 3/4" Female Thread	Raccord Te 3/4" Filet Fem	900847-001	
5	T45° egal piece 1"	Té45° égale pièce 1"	901610-001	
6	Nipple 22mm G1"-G1"	Douille 22 mm G1"-G1"	901772	
7	Adaptor 1"F - 3/4"M	Adaptata F1 x M3/4	902968	
8	Nipple M-M 1" to 3/4"	Mamelon M-M 1" à 3/4"	906178	
9	Meter Assembly	Meter Assembly	-	Refer to Hydraulic Stack Assemblies
10	Pipe B2 - H1 meter	Tube B2 - H1 meter	945743	
11	Pipe A2 - H1	Tube A2 - H1	945971	
12	Pipe B1_H4	Tube B1- H1	945974	
13	Pipe B2 - H1 valve	Tube B2 - H1 valve	945990	
14	22mm Pipe Nut Assembly	22mm Pipe Nut Assembly	-	Refer to Pipe Nut Assemblies
15	Valve Assembly	Valve Assembly	-	Refer to Valve & Fittings Assemblies



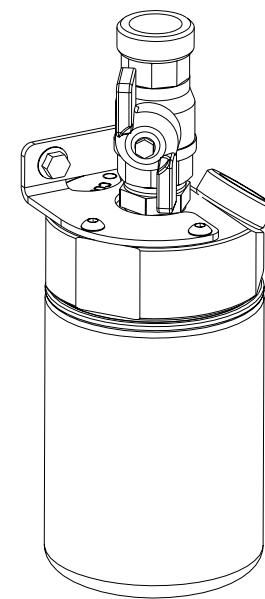
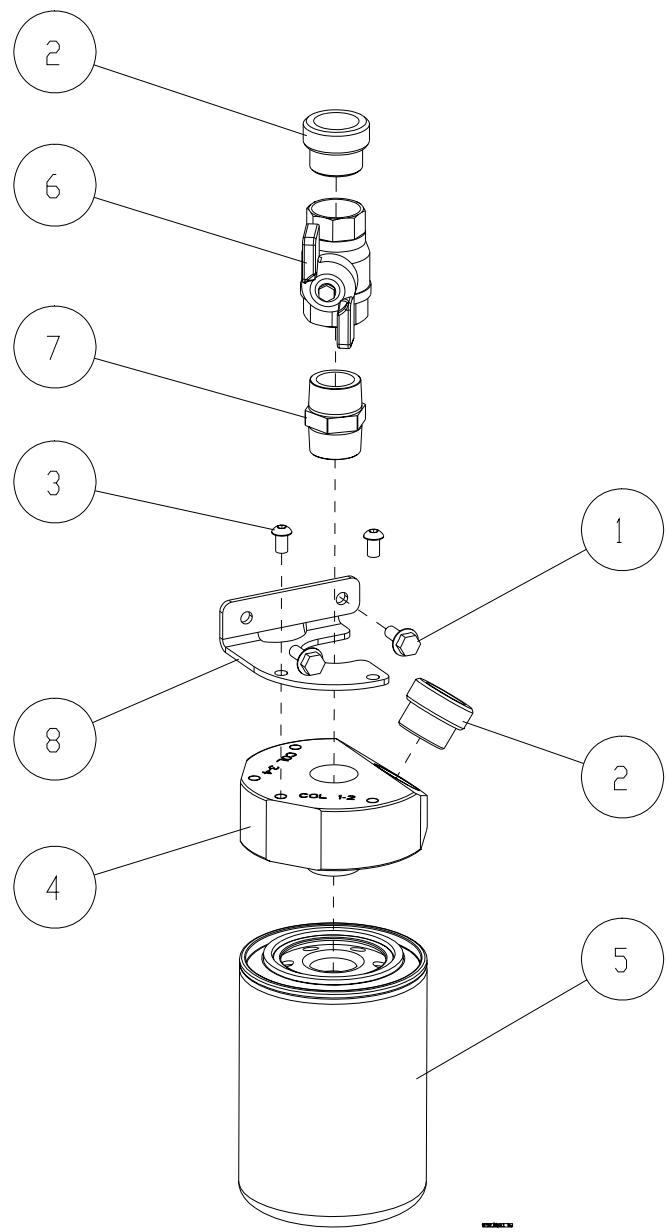
4.5.7 METERS A2/B2 TO HOSES H1 & H4 WITH SATELLITE

Item No	Description	Désignation Français	Part No	Comments
1	Cast Aluminium Elbow Outlet	Coude Aluminium Moule	5536000024	
2	Piston Valve 3/4 POM/PPS	Souape 3/4DN17 POM/PPS	-	Refer to Valve & Fittings Assemblies
3	Nipple 22mm G1"-G3/4"	Douille 22mm G1	900416	
4	T 3/4" Female Thread	Raccord Te 3/4" Filet Fem	900847-001	
5	Flange 1" 78mm	Bride 1" 78mm	901320-001	
6	T45° égal piece 1"	Té45° égale pièce 1"	901610-001	
7	Nipple 28mm M36x2-R1"	Douille 28mm M36x2-R1"	901767	
8	Elbow 1" M_F	Coude 1" M_F	901866-002	
9	R3/4" x R3/4" Nipple	Machon R3/4" x R3/4"	902212-001	
10	Adaptor 1"F - 3/4"M	Adaptata F1 x M3/4	902968	
11	32mm Clamp	Bride de 32mm	904256	
12	Nipple M-M 1" to 3/4"	Mamelon M-M 1" à 3/4"	906178	
13	Satellite Bracket	Satellite Bracket	945698	
14	Pipe SAT Mast 1	Tube SAT Mast 1	945746	
15	Pipe B1_H4	Tube B1- H1	945974	
16	A2 Valve	Tube A2 Valve	946002	
17	Pipe A2 - B2 Meter	Tube A2 - B2 meter	946004	
18	Pipe A2 - B2 Meter	Tube A2 - B2 meter	946005	
19	Pipe B2 SAT Mast	Pipe B2 SAT Mast	946006	
20	Pipe B2 - Valve	Tube B2 - Valve	946007	
21	22mm Pipe Nut Assembly	22mm Pipe Nut Assembly	-	Refer to Pipe Nut Assemblies
22	28mm Pipe Nut Assembly	28mm Pipe Nut Assembly	-	Refer to Pipe Nut Assemblies
23	Meter Assembly	Meter Assembly	-	Refer to Hydraulic Stack Assemblies



4.5.8 SATELLITE PIPES TO HOSE H1 AND HOSE H4

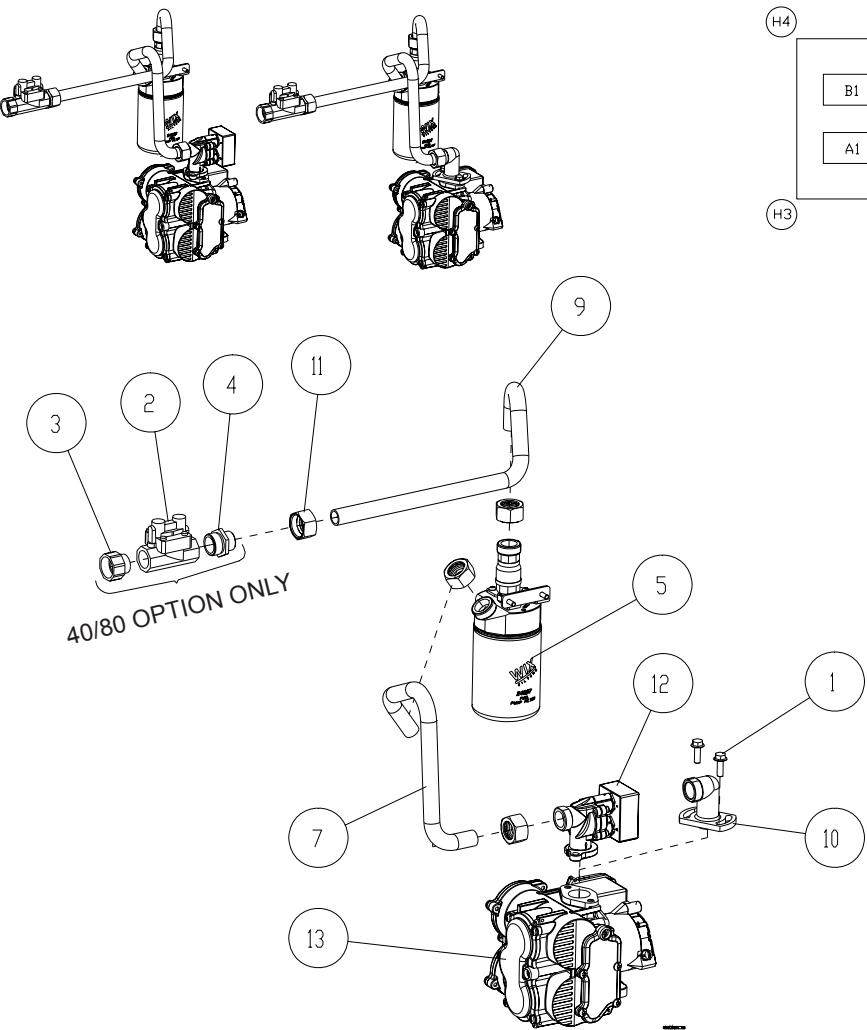
Item No	Description	Désignation Français	Part No	Comments
1	Flange 1" 78mm	Bride 1" 78mm	901320-001	
2	Nipple 28mm M36 x 2 - R1"	Douille 28mm M36 x 2 - R1"	901767	
3	32mm Clamp	Bride de 32mm	904256	
4	Nipple M-F M36 - 1"	Mamelon M-F M36 - 1"	940950	
5	Satellite Bracket	Satellite Bracket	945698	
6	Pipe Satellite H4 to SAT	Tube Satellite H4 to SAT	946143	
7	Pipe Satellite H1 to SAT	Tube Satellite H1 to SAT	948970	
8	28mm Pipe Nut Assembly	28mm Pipe Nut Assembly	-	Refer to Pipe Nut Assemblies



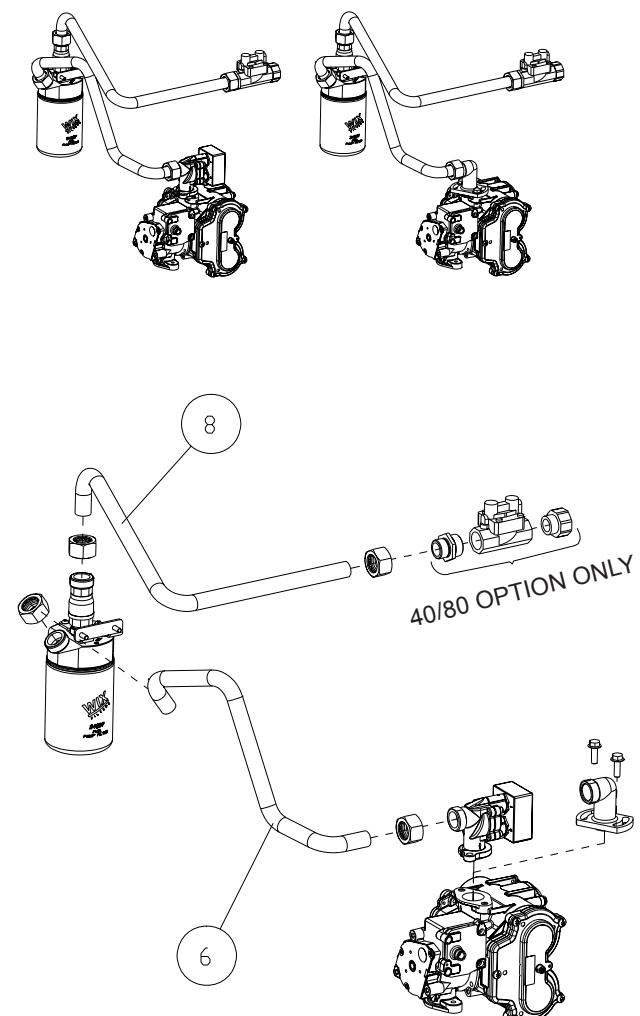
4.6 Spin On Filter Assembly

Item No	Description	Désignation Français	Part No	Comments
1	Screw HFHSL M6x16	Vis Hex Br Autobl M6x16	900016-004	
2	Nipple 22mm G1"-G3/4"	Douille 22mm G1	900416	
3	Screw HSB M6x10	Vis M6x10	900795-005	
4	Spin Filter Housing	Adaptateur Filtre a Visser	946037	
5	Filter Cartridge WIX 24027	Cartouche Filtrante WIX 24027	946214	
6	Ball Valve 3/4" Short F/F	Vanne Manuel 3/4" F/F	946445	
7	Nipple R3/4" Short	Mamelon 3/4"	946446	
8	Bracket Spin on Filter	Support Filtre a Visser	947358	

B1 TO H4



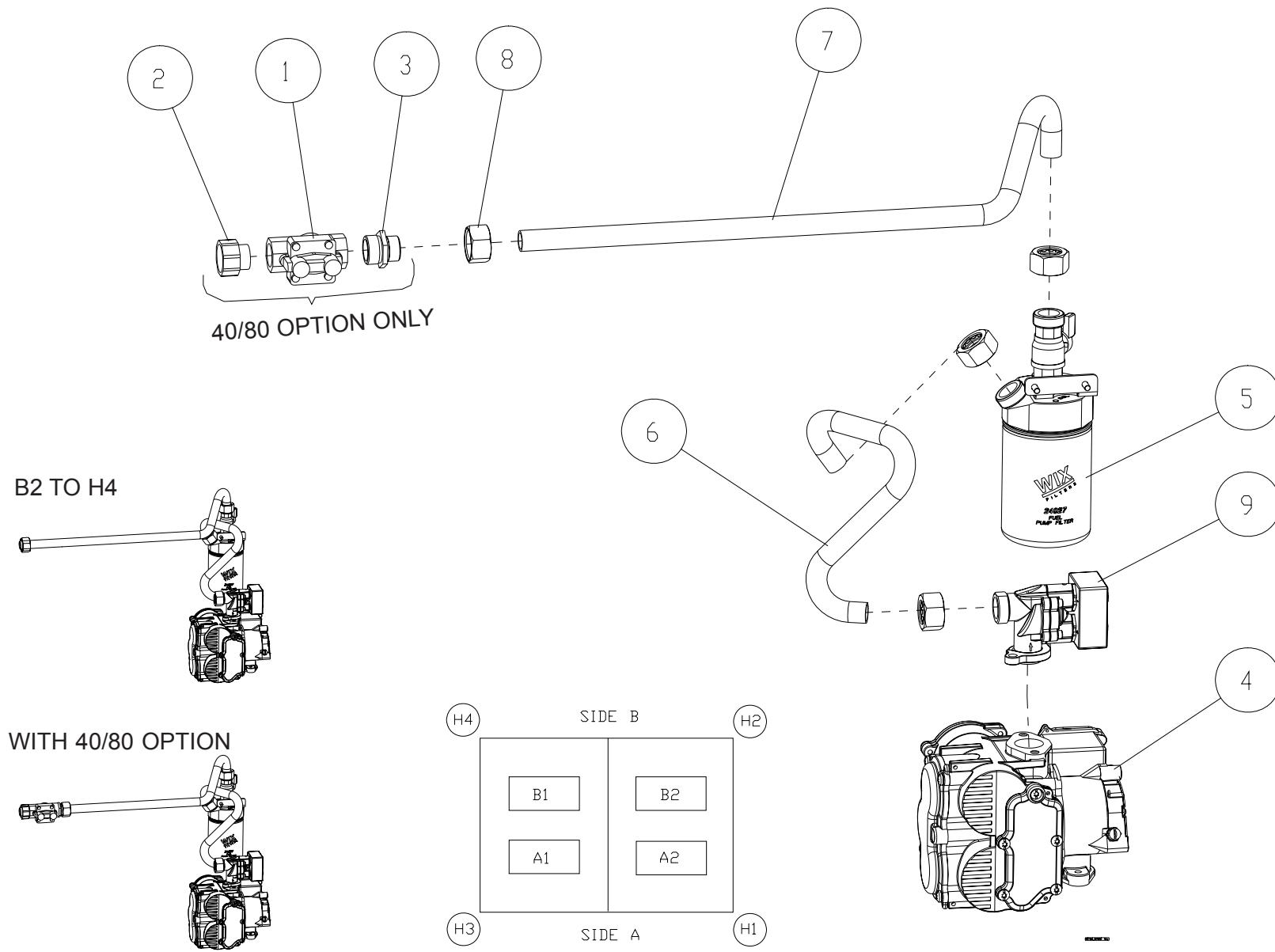
A2 TO H1



4.7 Spin On Filter Pipe Assemblies

4.7.1 METER A2 TO HOSE H1 AND METER B1 TO HOSE H4

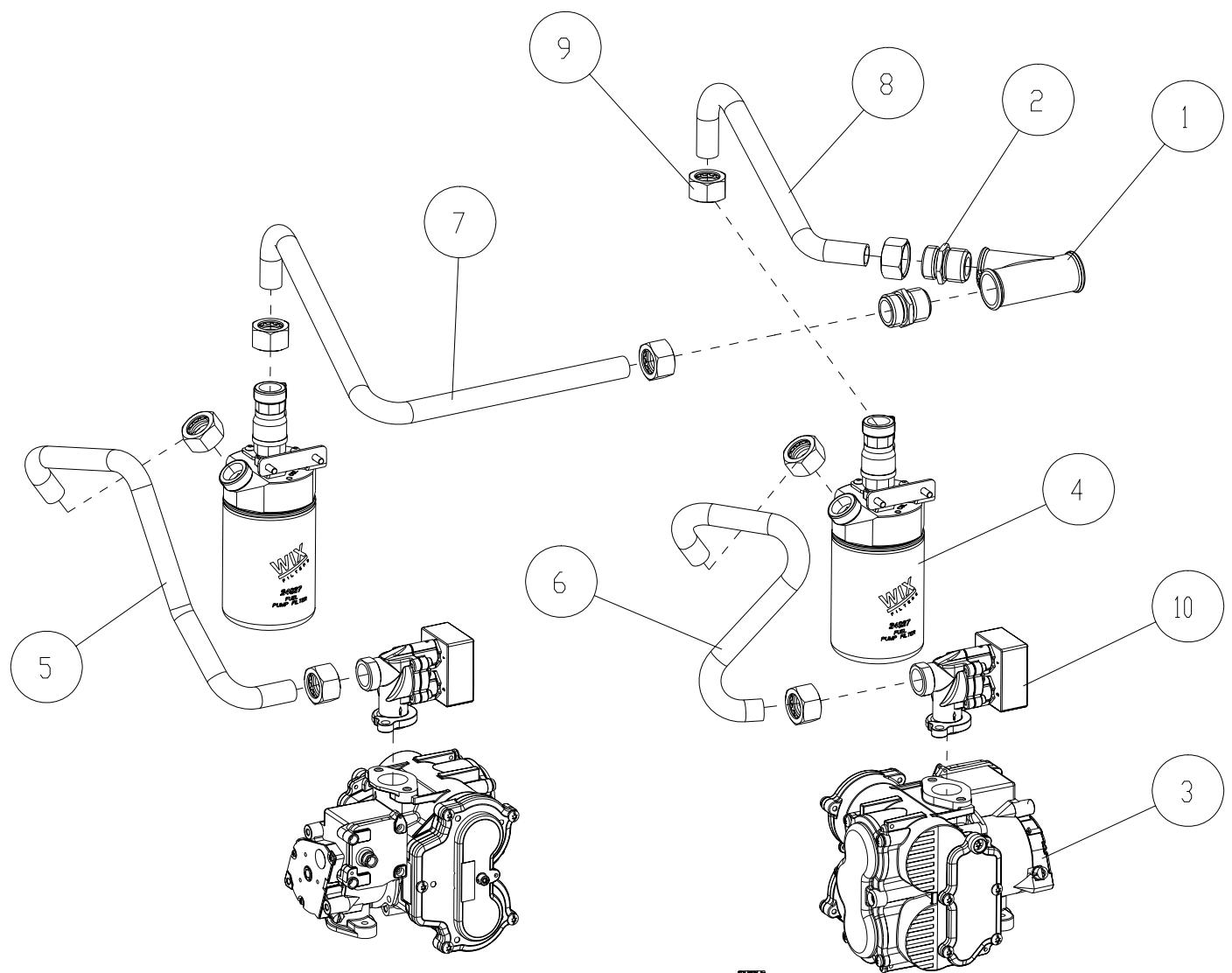
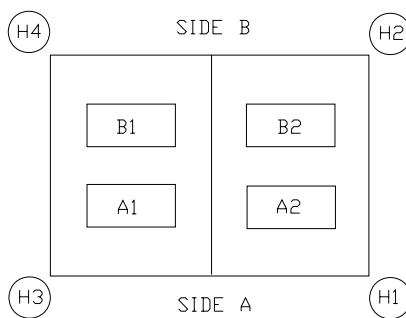
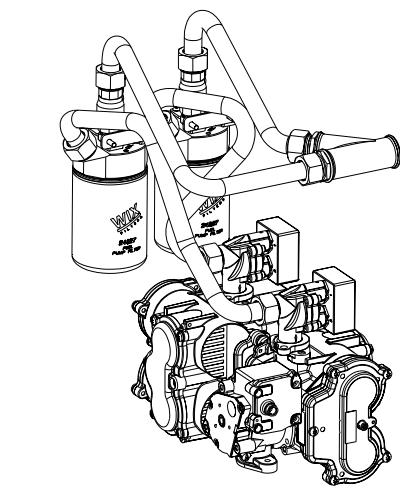
Item No	Description	Désignation Français	Part No	Comments
1	Screw HFHSL M8x25	Vis Hex Br Autobl M8x25	900016-007	
2	Inline Valve Assembly	Inline Valve Assembly	-	Refer to Valve & Fittings Assemblies
3	Adaptor 1"F - 3/4"M	Adaptata F1 x M3/4	902968	
4	Nipple M-M 1" to 3/4"	Mamelon M-M 1" à 3/4"	906178	
5	Spin On Filter Assembly	Spin On Filter Assembly	-	Refer to Spin On Filter Assembly
6	Pipe Q310 SOF EPZ A2 Pipe Q310 SOF PAS A2	Tube Q310 SOF EPZ A2 Tube Q310 SOF PAS A2	947365 947369	EPZ/TQP-RS Pump only PAS V3/TQP-HS Pump only
7	Pipe Q310 SOF EPZ B1 Pipe Q310 SOF PAS B1	Tube Q310 SOF EPZ B1 Tube Q310 SOF PAS B1	947366 947370	EPZ/TQP-RS Pump only PAS V3/TQP-HS Pump only
8	Pipe Q310 SOF A2 - H1	Tube Q310 SOF A2 - H1	947374	
9	Pipe Q310 SOF B1 - H4	Tube Q310 SOF B1 - H4	947375	
10	Outlet Elbow, Cast	Coude, Aluminium Moule	947587	
11	22mm Pipe Nut Assembly	22mm Pipe Nut Assembly	-	Refer to Pipe Nut Assembly
12	Valve Assembly	Valve Assembly	-	Refer to Valve & Fittings Assemblies
13	Meter Assembly	Meter Assembly	-	Refer to Hydraulic Stack Assembly



4.7.2 METER B2 TO HOSE H4

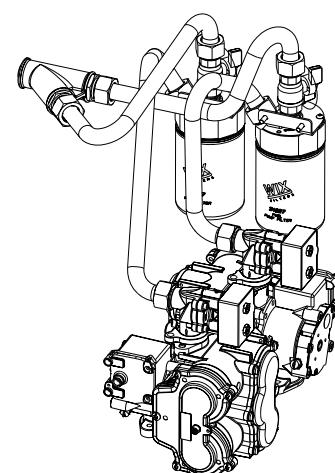
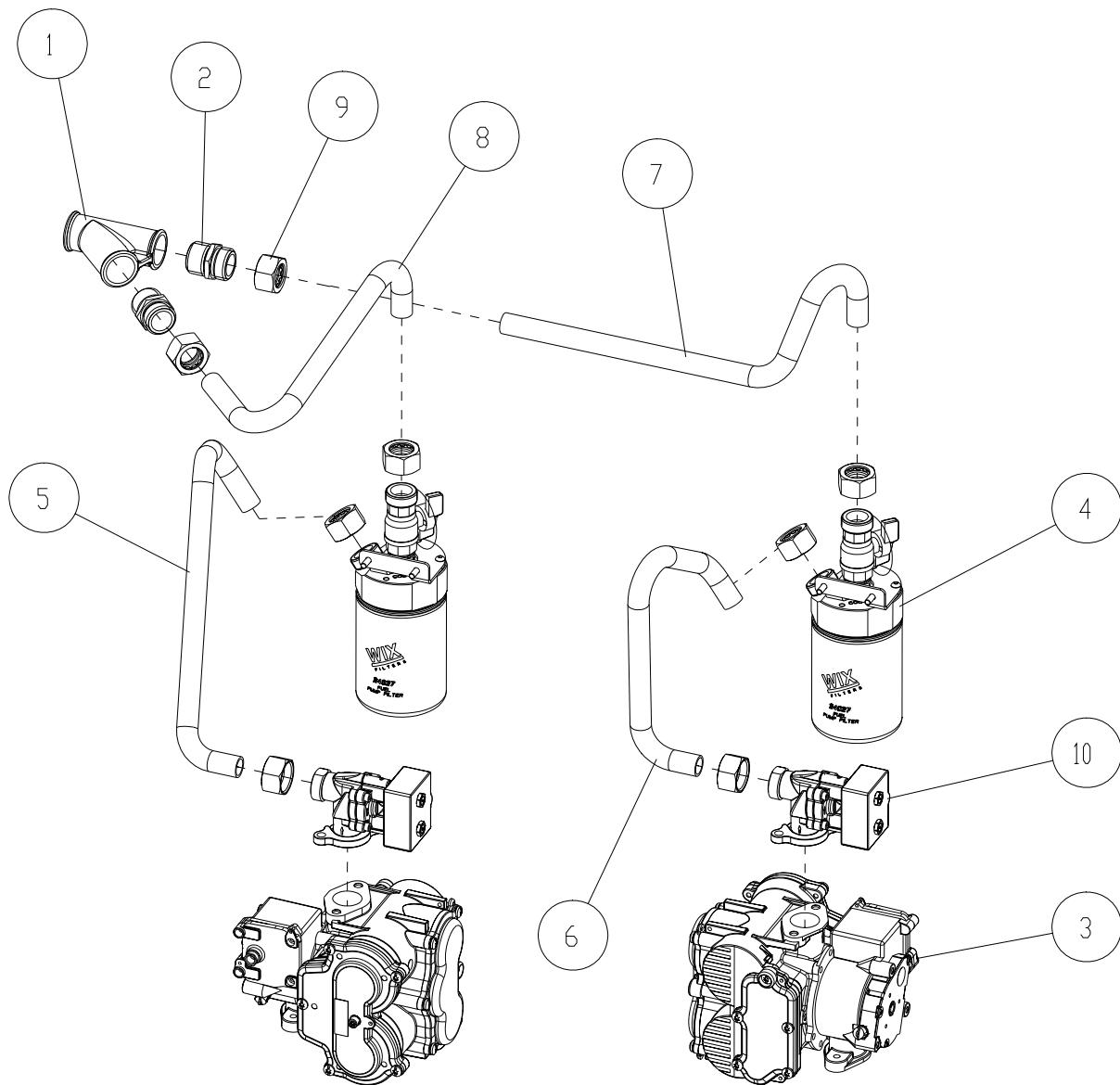
Item No	Description	Désignation Français	Part No	Comments
1	Inline Valve Assembly	Inline Valve Assembly	900080	Refer to Valve & Fittings Assemblies
2	Adaptor 1"F - 3/4"M	Adaptata F1 x M3/4	902968	
3	Nipple M-M 1" to 3/4"	Mamelon M-M 1" à 3/4"	906178	
4	Meter Assembly	Meter Asm	-	Refer to Hydraulic Stack Assembly
5	Spin On Filter Assembly	Asm Filtre a Visser	-	Refer to Spin On Filter Assembly
6	Pipe Q310 SOF EPZ B2 Pipe Q310 SOF PAS B2	Tube Q310 SOF EPZ B2 Tube Q310 SOF PAS B2	947367 947371	EPZ/TQP-RS Pump only PAS V3/TQP-HS Pump only
7	Pipe Q310 SOF B2 - H4	Tube Q310 SOF B2 - H4	947376	
8	22mm Pipe Nut Assembly	22mm Pipe Nut Assembly	-	Refer to Pipe Nut Assemblies
9	Valve Assembly	Valve Assembly	-	Refer to Valve & Fittings Assemblies

A2/B2 TO H1

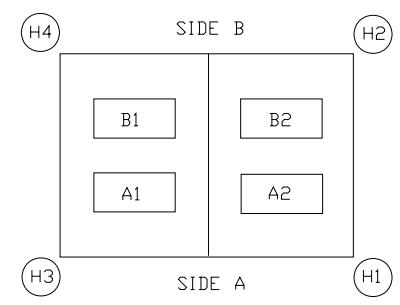


4.7.3 METERS A2 & B2 TO HOSE H1

Item No	Description	Désignation Français	Part No	Comments
1	T45° Egal Piece 1"	Té45° Egale Pièce 1"	901610-001	
2	Nipple 22mm G1"-G1"	Douille 22 mm G1"-G1"	901772	
3	Meter Assembly	Asm Meter	-	Refer to Hydraulic Stack Assemblies
4	Spin On Filter Assembly	Spin On Filter Assembly	-	Refer to Spin On Filter Assembly
5	Pipe Q310 SOF PAS A2	Tube Q310 SOF PAS A2	947369	
6	Pipe Q310 SOF PAS B2	Tube Q310 SOF PAS B2	947371	
7	Pipe Q310 SOF A2 - H1	Tube Q310 SOF A2 - H1	947374	
8	Pipe Q310 SOF B2- H1 VHS	Tube Q310 SOF B2- H1 VHS	947378	
9	22mm Pipe Nut Assembly	22mm Pipe Nut Assembly	-	Refer to Pipe Nut Assemblies
10	Valve Assembly	Valve Assembly	-	Refer to Valve & Fittings Assemblies



A1/B1 TO H4

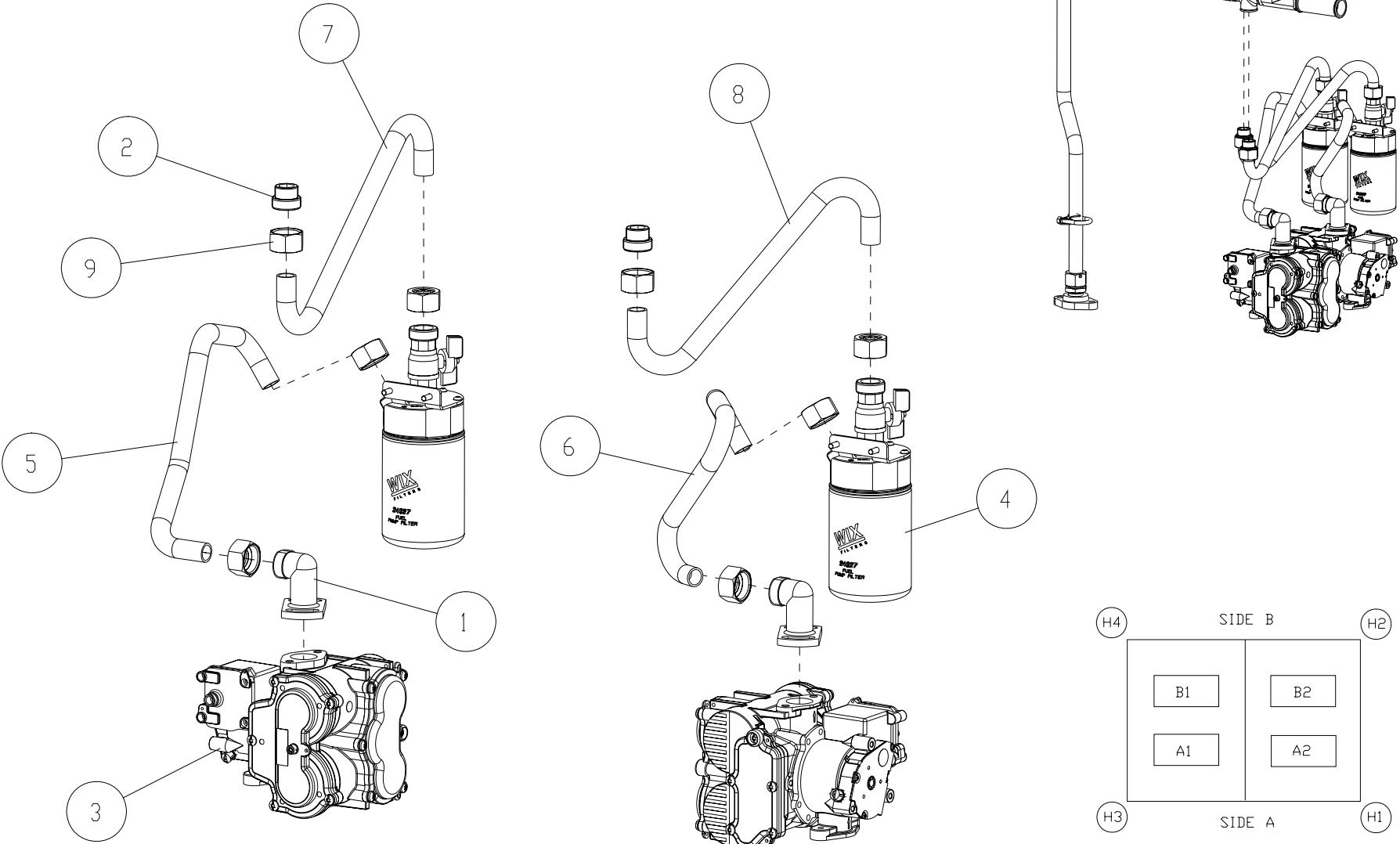


4.7.4 METERS A1 & B1 TO HOSE H4

Item No	Description	Désignation Français	Part No	Comments
1	T45° Egal Piece 1"	Té45° Egale Pièce 1"	901610-001	
2	Nipple 22mm G1"-G1"	Douille 22mm G1"-G1"	901772	
3	Meter Assembly	Meter Assembly	-	Refer to Hydraulic Stack Assemblies
4	Spin On Filter Assembly	Spin On Filter Assembly	-	Refer to Spin On Filter Assembly
5	Pipe Q310 SOF PAS A1	Tube Q310 SOF PAS A1	947368	
6	Pipe Q310 SOF PAS B1	Tube Q310 SOF PAS B1	947370	
7	Pipe Q310 SOF B1 - H4	Tube Q310 SOF B1 - H4	947375	
8	Pipe Q310 SOF A1 - H4 VHS	Tube Q310 SOF A1 - H4 VHS	947377	
9	22mm Pipe Nut Assembly	22mm Pipe Nut Assembly	-	Refer to Pipe Nut Assemblies
10	Valve Assembly	Valve Assembly	-	Refer to Valve & Fittings Assemblies

A2/B2 TO H1 WITH SATELLITE

FOR SATELLITE CONNECTION PARTS
REFER TO A2/B2 TO H1 WITH SAT
(METER TO HOSE ASSEMBLIES SECTION 4.5)

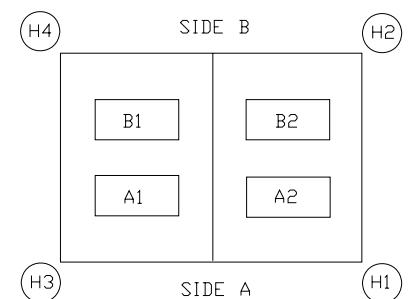
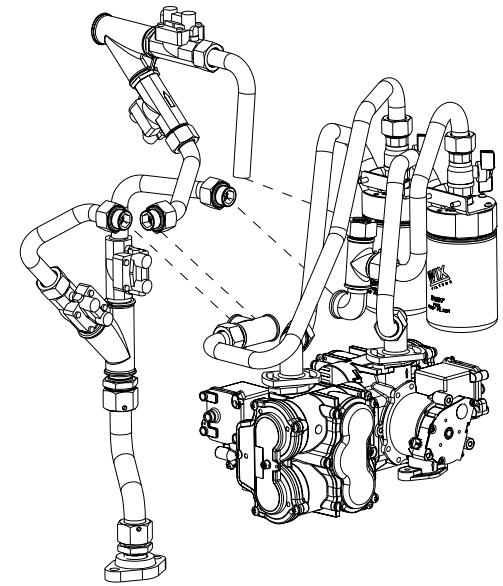
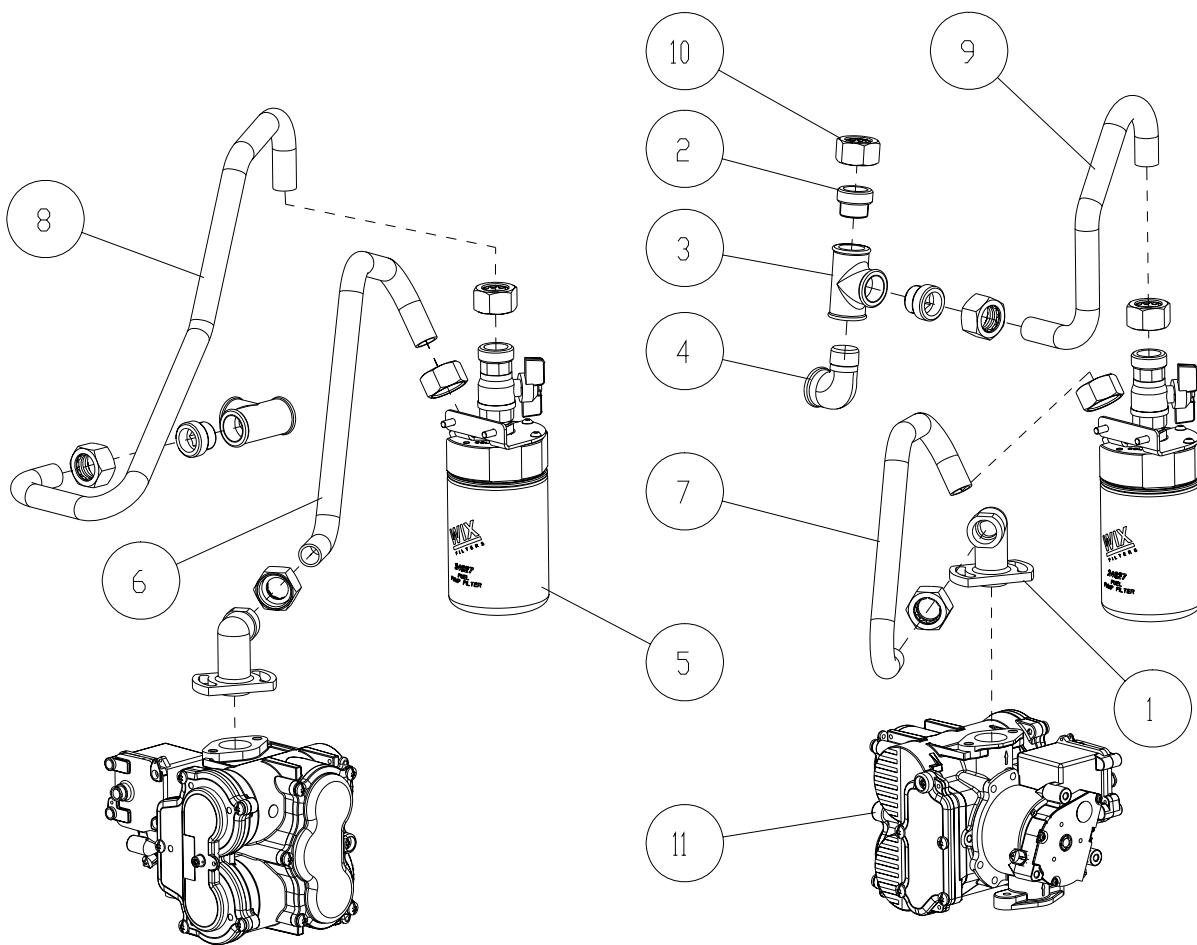


4.7.5 METERS A2 & B2 TO HOSE H1 WITH SATELLITE

Item No	Description	Désignation Français	Part No	Comments
1	Cast Aluminium Elbow Outlet	Coude Aluminium Moule	5536000024	
2	Nipple 22mm G1"-G3/4"	Douille 22mm G1	900416	
3	Meter Assembly	Asm Meter	-	Refer to Hydraulic Stack Assemblies
4	Spin On Filter Assembly	Spin On Filter Assembly	-	Spin On Filter Assembly
5	Pipe Q310 SOF PAS A2	Tube Q310 SOF PAS A2	947369	
6	Pipe Q310 SOF PAS B2	Tube Q310 SOF PAS B2	947371	
7	Pipe Q310 SOF A2 - VHSM	Tube Q310 SOF A2 - VHSM	947385	
8	Pipe Q310 SOF B2 - VHSM	Tube Q310 SOF B2 - VHSM	947386	
9	22mm Pipe Nut Assembly	22mm Pipe Nut Assembly	-	Refer to Pipe Nut Assemblies

FOR SATELLITE CONNECTION PARTS
REFER TO A1/B1 TO H4 WITH SAT
(METER TO HOSE ASSEMBLIES SECTION 4.5)

A1/B1 TO H4 WITH SATELLITE

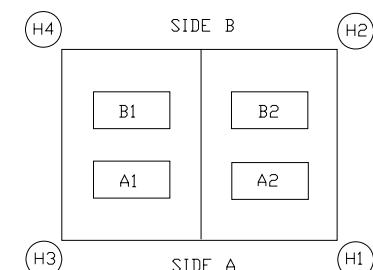
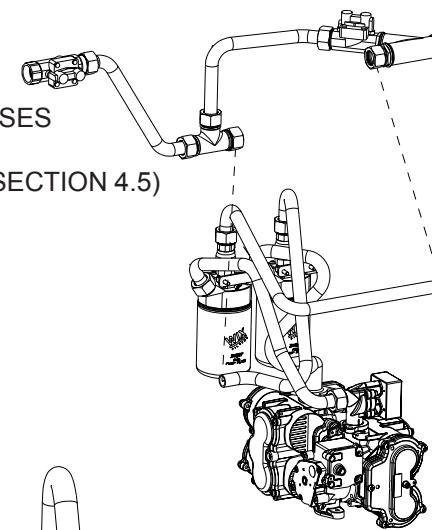
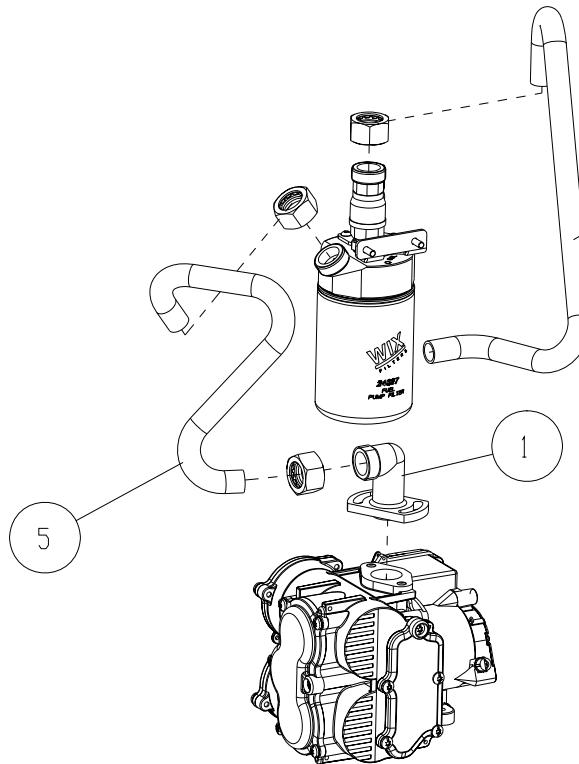
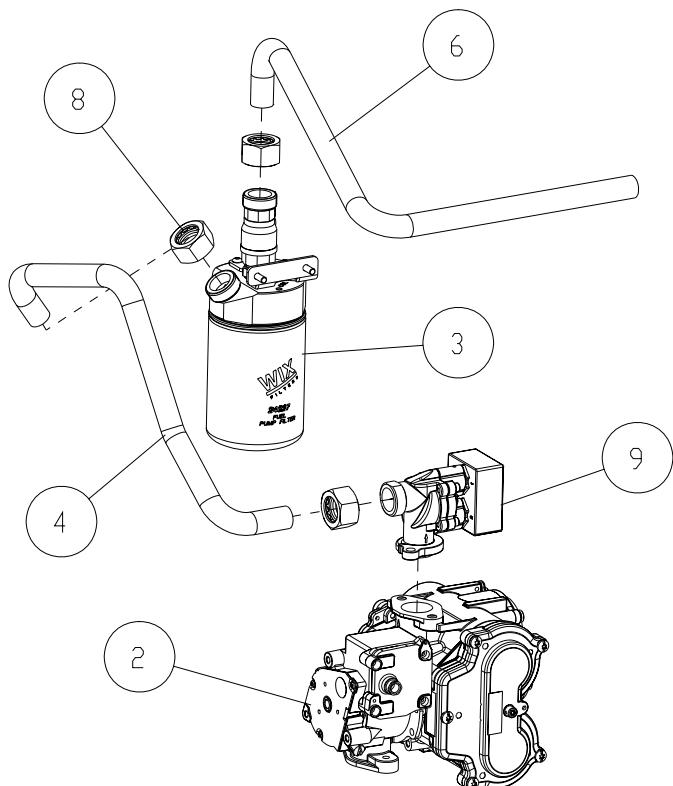


4.7.6 METERS A1 & B1 TO HOSE H4 WITH SATELLITE

Item No	Description	Désignation Français	Part No	Comments
1	Cast Aluminium Elbow Outlet	Coude Aluminium Moule	5536000024	
2	Nipple 22mm G1"-G3/4"	Douille 22mm G1	900416	
3	T 3/4" Female Thread	Raccord Te 3/4" Filet Fem	900847-001	
4	Elbow 1" M_F	Coude 1" M_F	901866-002	
5	Spin On Filter Assembly	Asm Filtre a Visser	947362	Refer to Spin On Filter Assembly
6	Pipe Q310 SOF PAS A1 VHSM	Tube Q310 SOF PAS A1 VHSM	947372	
7	Pipe Q310 SOF PAS B1 VHSM	Tube Q310 SOF PAS B1 VHSM	947373	
8	Pipe Q310 SOF A1 - VHSM	Tube Q310 SOF A1 - VHSM	947382	
9	Pipe Q310 SOF B1 - VHSM	Tube Q310 SOF B1 - VHSM	947384	
10	22mm Pipe Nut Assembly	22mm Pipe Nut Assembly	-	Refer to Pipe Nut Assemblies
11	Meter Assembly	Meter Assembly	-	Refer to Hydraulic Stack Assemblies

FOR PIPE CONNECTIONS TO HOSES
REFER TO A2/B2 TO H1/H4
(METER TO HOSE ASSEMBLIES SECTION 4.5)

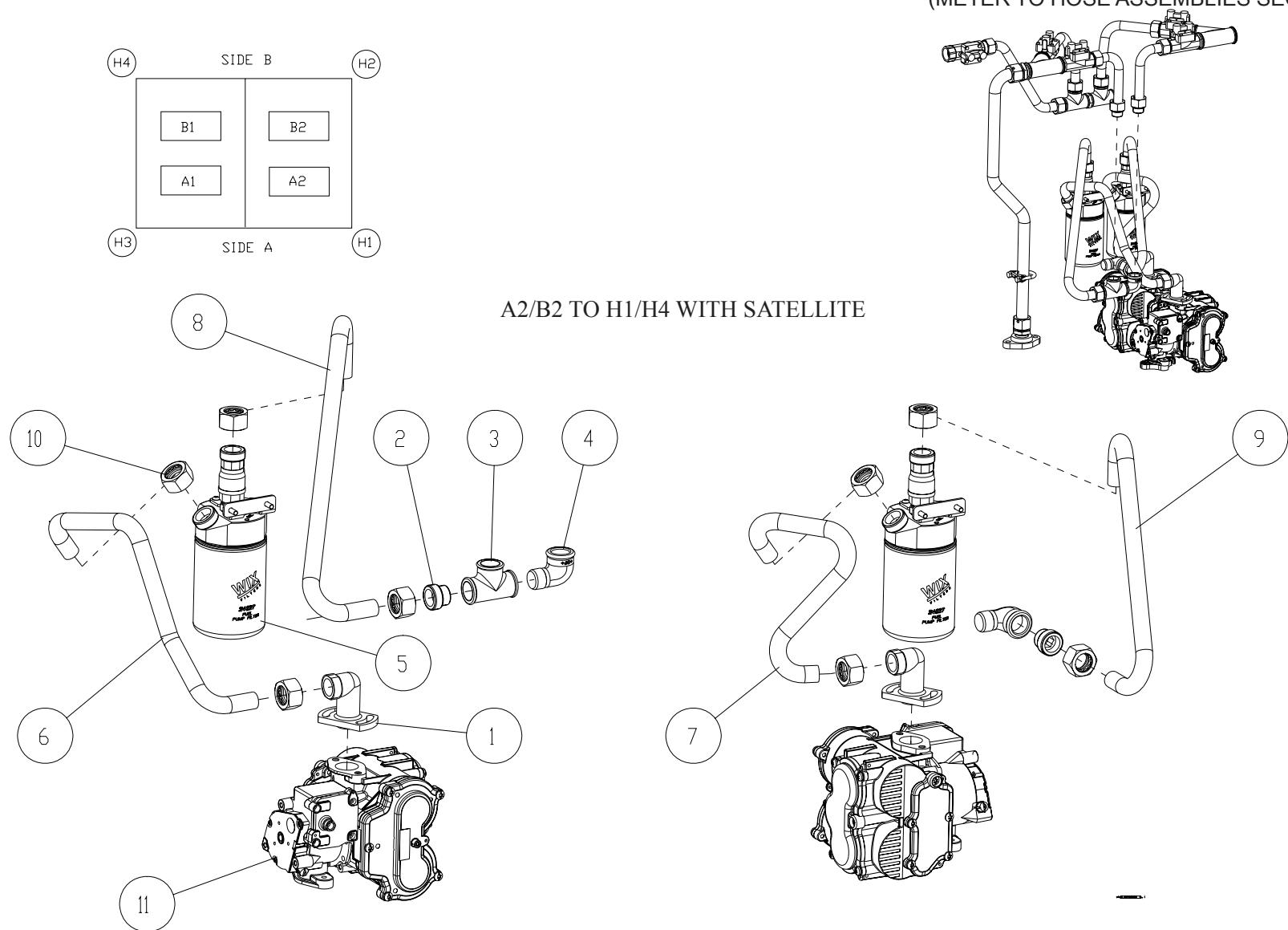
A2/B2 TO H1/H4



4.7.7 METERS A2 & B2 TO HOSES H1 & H4

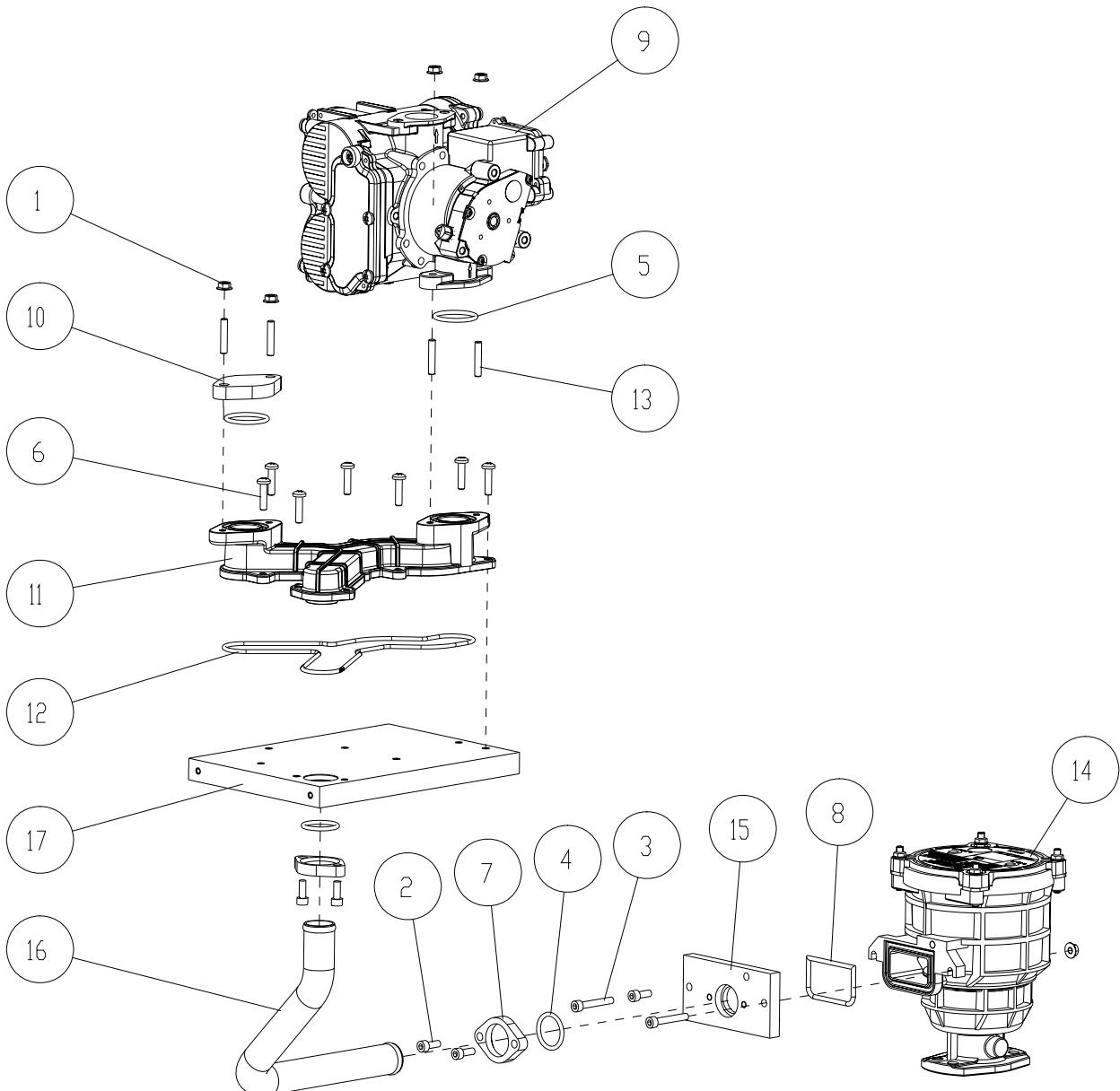
Item No	Description	Désignation Français	Part No	Comments
1	Cast Aluminium Elbow Outlet	Coude Aluminium Moule	5536000024	
2	Meter Assembly	Meter Asm	908178	Refer to Hydraulic Stack Assemblies
3	Spin On Filter Assembly	Spin On Filter Assembly	-	Refer to Spin On Filter Assembly
4	Pipe Q310 SOF PAS A2	Tube Q310 SOF PAS A2	947369	
5	Pipe Q310 SOF PAS B2	Tube Q310 SOF PAS B2	947371	
6	Pipe Q310 SOF A2 - H1	Tube Q310 SOF A2 - H1	947374	
7	Pipe Q310 SOF B2 - SVHS	Tube Q310 SOF B2 - SVHS	947379	
8	22mm Pipe Nut Assembly	22mm Pipe Nut Assembly	-	Refer to Pipe Nut Assemblies
9	Valve Assembly	Valve Assembly	-	Refer to Valve & Fittings Assemblies

FOR SATELLITE CONNECTION PARTS
REFER TO A2/B2 TO H1/H4 WITH SAT
(METER TO HOSE ASSEMBLIES SECTION 4.5)

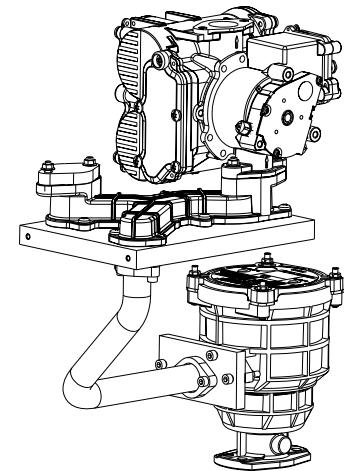


4.7.8 METERS A2 & B2 TO HOSES H1 & H4 WITH SATELLITE

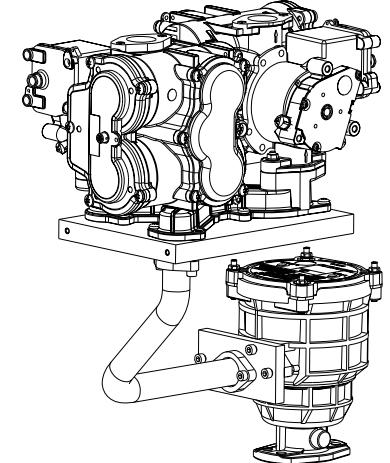
Item No	Description	Désignation Français	Part No	Comments
1	Cast Aluminium Elbow Outlet	Coude Aluminium Moule	5536000024	
2	Nipple 22mm G1"-G3/4"	Douille 22mm G1	900416	
3	T 3/4" Female Thread	Raccord Te 3/4" Filet Fem	900847-001	
4	Elbow 1" M_F	Coude 1" M_F	901866-002	
5	Spin On Filter Assembly	Asm Filtre a Visser	-	Refer to Spin On Filter Assembly
6	Pipe Q310 SOF PAS A2	Tube Q310 SOF PAS A2	947369	
7	Pipe Q310 SOF PAS B2	Tube Q310 SOF PAS B2	947371	
8	Pipe Q310 SOF A2 - SVHSM	Tube Q310 SOF A2 - SVHSM	947380	
9	Pipe Q310 SOF B2 - SVHSM	Tube Q310 SOF B2 - SVHSM	947381	
10	22mm Pipe Nut Assembly	22mm Pipe Nut Assembly	-	Refer to Pipe Nut Assemblies
11	Meter Assembly	Meter Assembly	-	Refer to Hydraulic Stack Assemblies



SINGLE SIDED

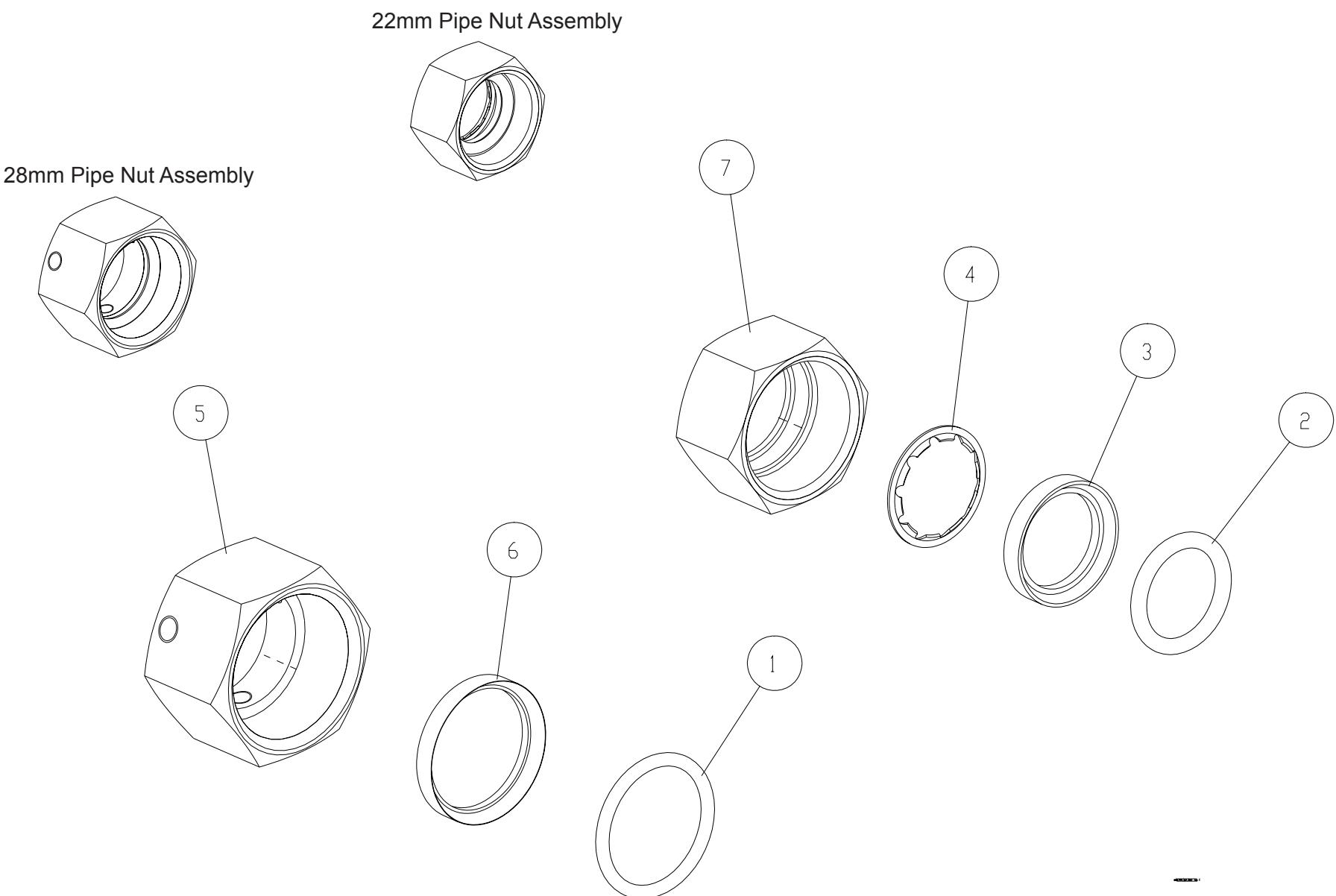


DOUBLE SIDED



4.8 Submerged Hydraulics

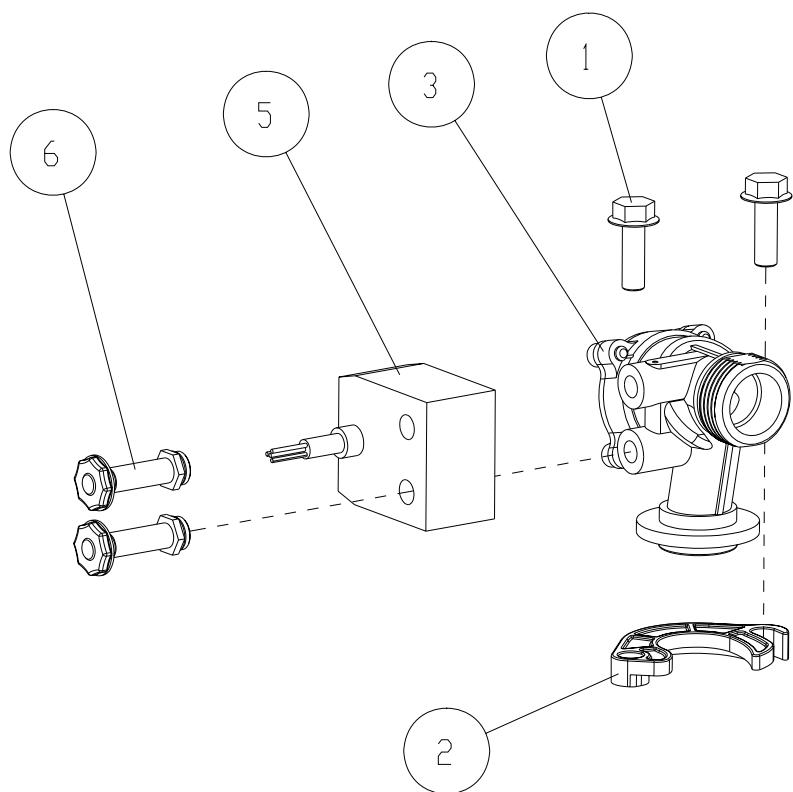
Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M6	Ecrou Bride Autobloquant M6	900013-003	
2	Screw HSHC M6x16	Vis CHC M6x16	900017-007	
3	Screw HSHC M6x40	Vis CHC M6x40	900017-009	
4	O-Ring 27.80 x 3.60	Joint Torique 27.80 x 3.60	900050-016	
5	O-Ring 34.10 x 3.60	Joint Torique 34.10 x 3.60	900050-019	
6	Screw Torx Thr Form BH M6 x 25	Vis Torx Auto FTCBL Tril M6 x 25	900053-004	
7	Flange - Oval D28	Bride Ovale D28	900475	
8	O-ring Filterbox	Joint de Filtre	900635	
9	Meter TM80 in line	Meter TM80 en ligne	908178	
10	Flange Oval without holes	Bride Ovale sans trous	908456	
11	Collector SM80	Collecteur SM80	908526	
12	O-ring Collector Stack EPZ	Joint Collecteur EPZ Stack	908527	
13	Stub Threaded Specific M6 x 32	Goujon Special M6 x 32	909271	
14	Assy Filterbox Submerged	Asm Filtrebox Immergee	940904	Refer to Filter Assembly
	Assy Filterbox Submerged E85	Asm Filtrebox Immergee E85	940955	E85
	Assy Filterbox Submerged Low Temp.	Asm Filtrebox Immergee LT	942016	Low Temperature
15	Adaptor Submerge Filterbox	Adaptateur Immergee Filtrebox	941340	
16	Pipe Filter to Meters Submerged	Tube Filtre vers mes Immergee	942433	
17	Adaptor Block	Bloc d'Adapteur	942461	



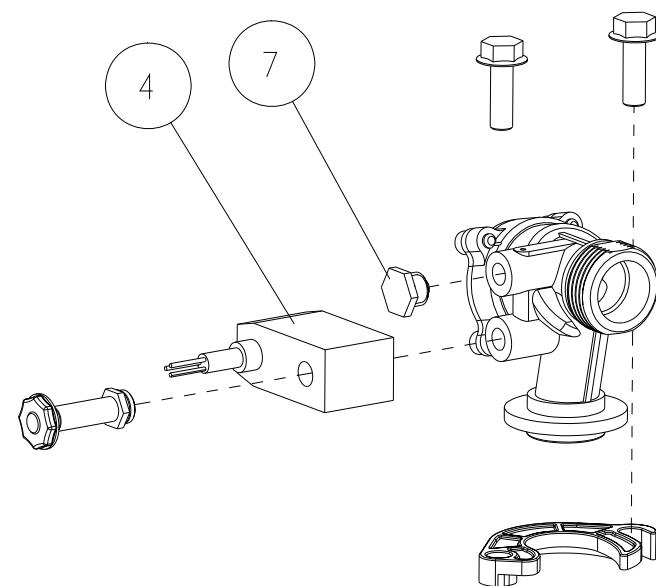
4.9 Pipe Nut Assemblies

Item No	Description	Désignation Français	Part No	Comments
1	O-ring 28,00x3,00	Joint Torique 28,00x3,00	900050-032	
2	O-ring 21,30x3,60	Joint Torique 21,30x3,60	900050-034	
3	Pressure Ring	Bague De Pression	900523	
4	Fixing Spring Ring 22mm	Bague De Pression 22mm	900525	
5	Pressure Nut 28mm Pipe	Ecrou de Pression Tube 28mm	901770	
6	Pressure Ring 28mm	Bague de Pression 28mm	901771	
7	Pressure Nut 22 mm Brass	Ecrou Pression 22mm Laiton	901858	

DOUBLE COIL



SINGLE COIL

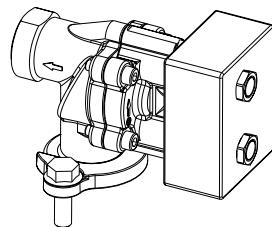


4.10 Valve & Fittings Assemblies

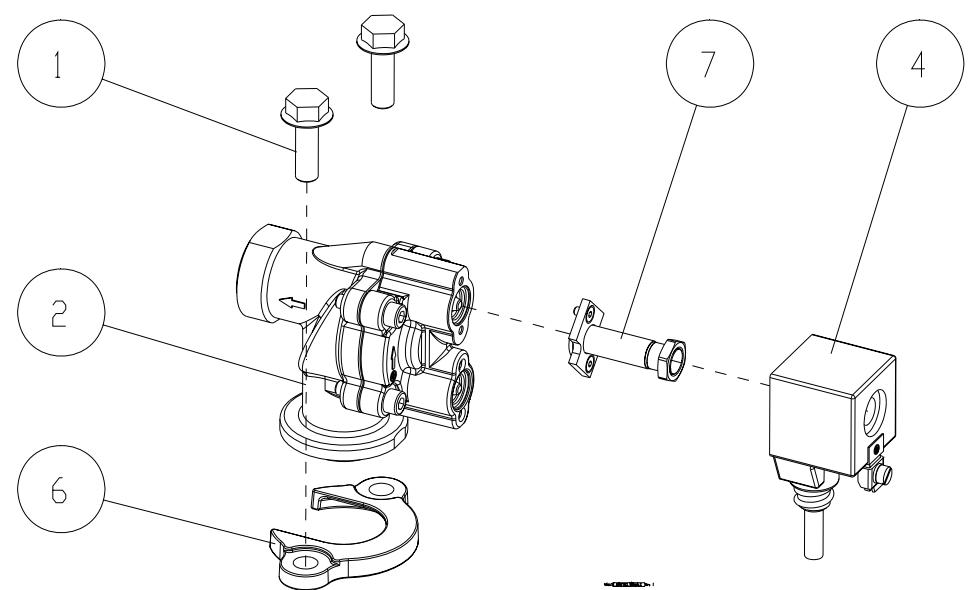
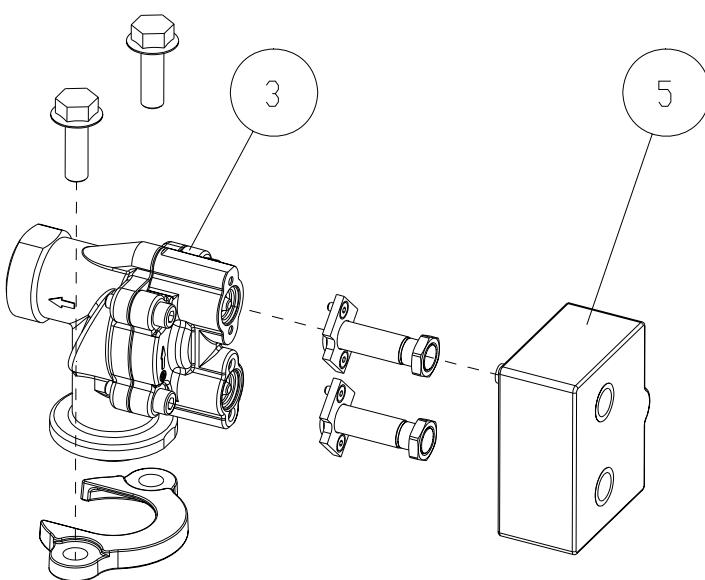
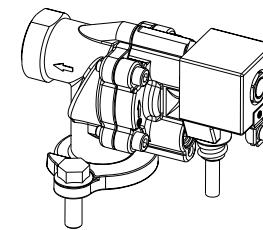
4.10.1 SIB VALVE ASSEMBLIES

Item No	Description	Désignation Français	Part No	Comments
1	Screw HFHSL M8x25	Vis Hex Br Autobl M8x25	900016-007	
2	SIB Flange Valve	Bride EV SIB	941951	
3	SIB Valve Body TQM	Corps Electrovanne SIB TQM	943227	
4	Single Coil 24Vcc	Bobine Mono 24Vcc	943233	
5	Double Coil 24Vcc	Bobine Double 24Vcc	943234	
6	Pilot 2/2NC S8 Brass	Pilote 2/2NF S8 Laiton	943236	
7	Stop Valve Brass	Bouchon Soupape Laiton	943238	

DOUBLE COIL

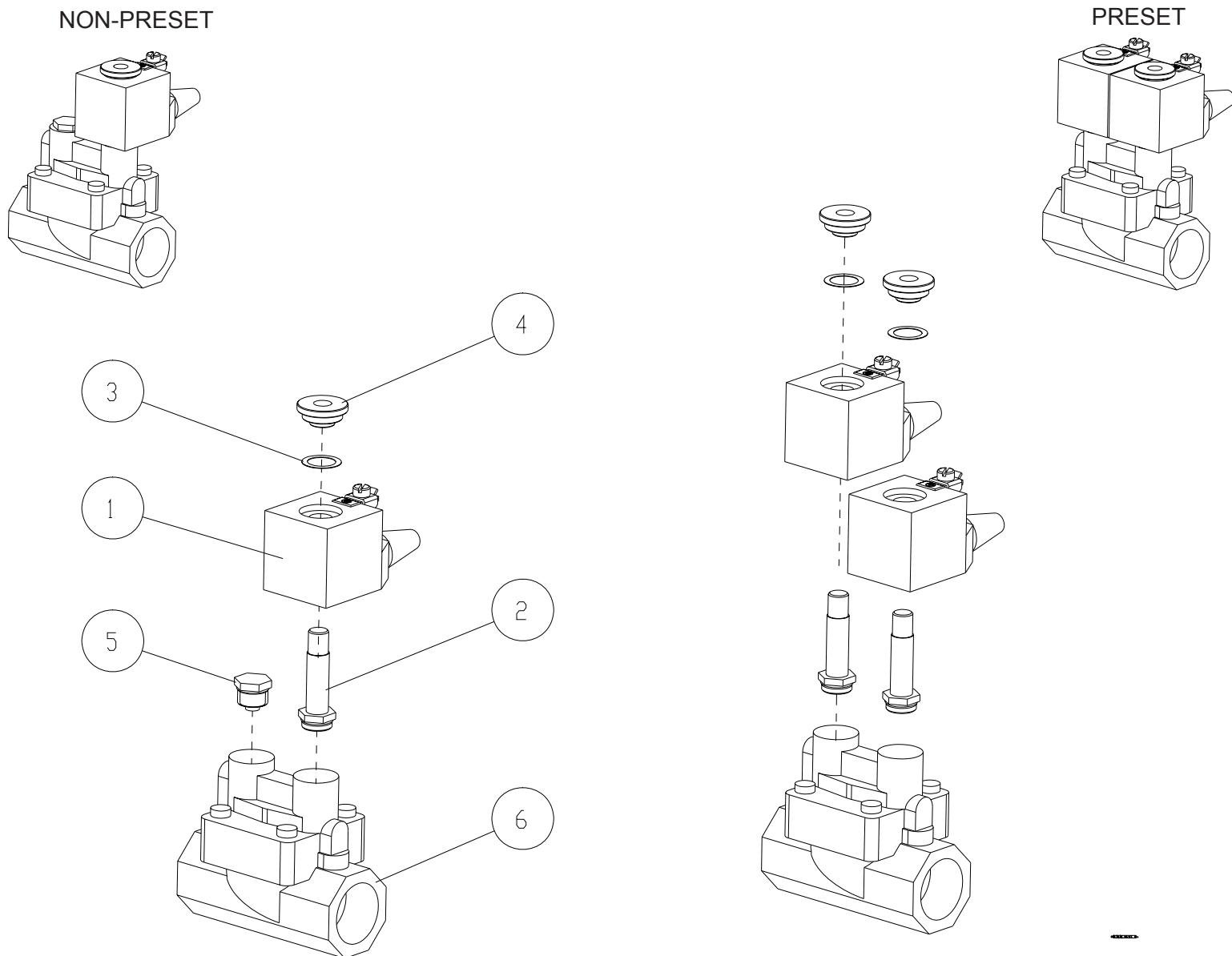


SINGLE COIL



4.10.2 DANFOSS VALVE ASSEMBLIES

Item No	Description	Désignation Français	Part No	Comments
1	Screw HFHSL M8x25	Vis Hex Br Autobl M8x25	900016-007	
2	Danfoss Valve Body Single Danfoss Valve Body Single HS/LS Danfoss Valve Body Single E85	Danfoss Valve Body Simple EV Danfoss Corps Simple HS/LS EV Danfoss Corps Simple E85	946676 946678 946679	
3	Danfoss Valve Body Double Danfoss Valve Body Double E85	EV Danfoss Corps Double EV Danfoss Corps Double E85	946677 946680	
4	Danfoss Valve Single Coil 24V Danfoss Valve Single Coil 230V	EV Danfoss Simple Bobine 24V EV Danfoss Simple Bobine 230V	946681 946683	
5	Danfoss Valve Double Coil 24V	EV Danfoss Double Bobine 24V	946682	
6	Danfoss Valve Flange	EV Danfoss Bride	946684	
7	Danfoss Valve Pilot	EV Danfoss Pilote	946685	



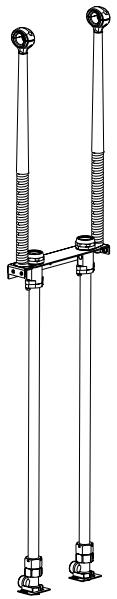
4.10.3 INLINE VALVE ASSEMBLIES

Item No	Description	Désignation Français	Part No	Comments
1	Coil 24V Eex m II T4 Fuse	Bobine 24V Eex m II T4 Fuse	900082	
2	Plungerhouse + Plunger	Plongeur Complete	900723	
3	Spring for Plunger	Ressort de Plongeur	900724	
4	Nut for Plunger	Ecrou par Plongeur	900725	
5	Stop + Seal Inline Valve	Bouchon Soupape	900726	
6	Piston Valve 3/4" Drilled POM/PPS	Soupape 3/4" Foré POM/PPS	900788	

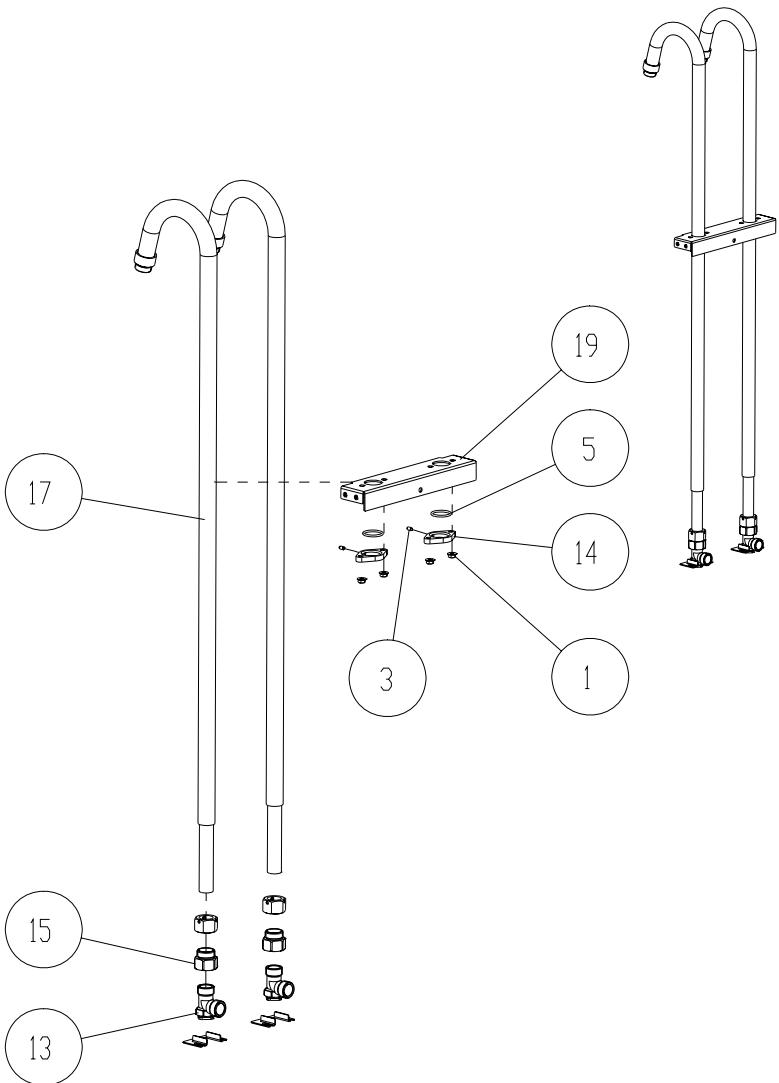
Dispenser Hydraulics

Quantum 310 Parts Manual

SPRING MAST

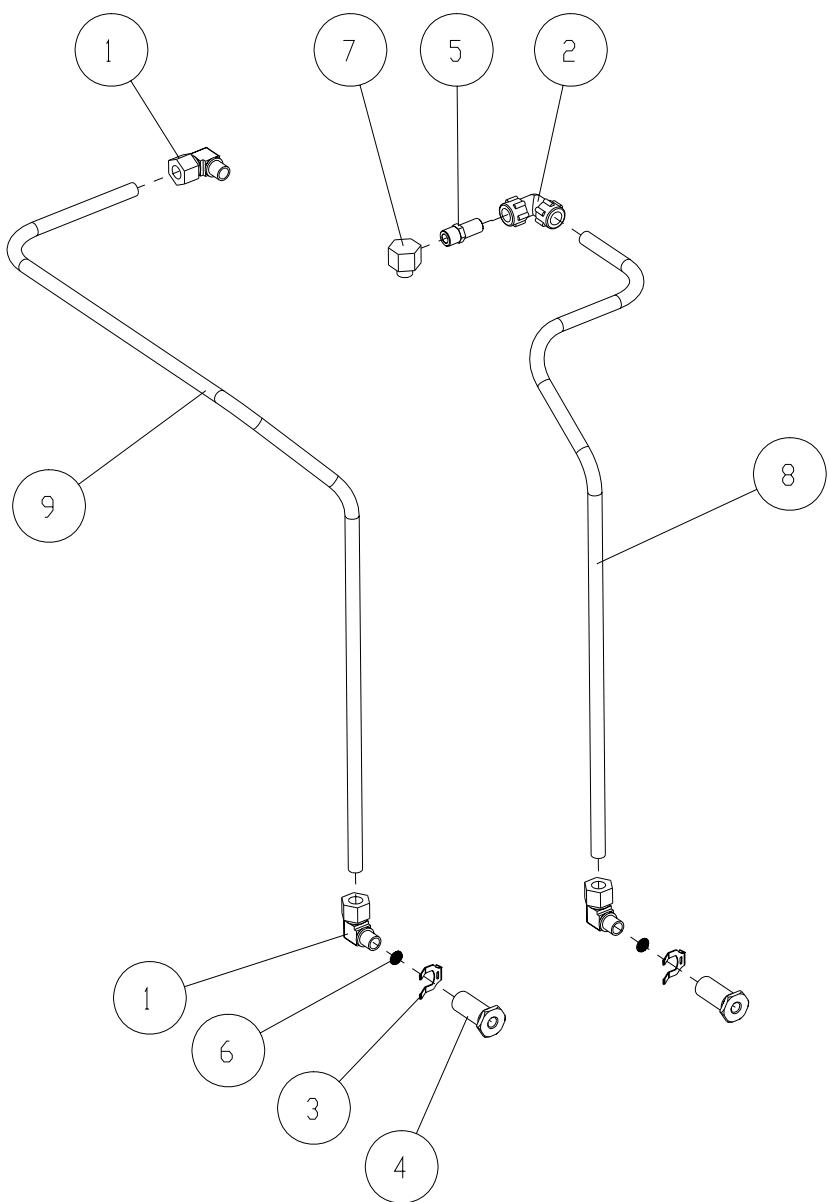


RIGID MAST



4.11 Rigid Mast and Spring Mast Assemblies

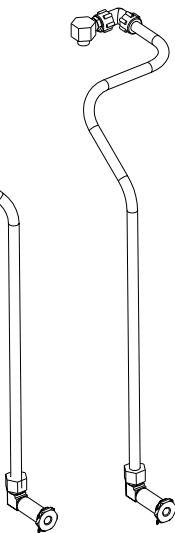
Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M8	Ecrou Bride Autobloquant M8	900013-004	
2	Screw HFHSL M6x20	Vis Hex Br Autobl M6x20	900016-013	
3	Screw HSS Cup Point M6x10	Vis HCCU M6x10	900019-001	
4	O-Ring	Joint Torique	900050-016	
5	O-Ring 34,10x3,60	Joint Torique 34,10x3,60	900050-019	
6	Flange - Oval D28	Bride Ovale D28	900475	
7	Nut - Hose Coupling	Ecrou de Raccord Flexible	900695	
8	Seal - Flat 50x42x1	Joint Plat 50x42x1	900696	
9	Nut - Hose Coupling Backing	Contre écrou Raccord Flexible	900697	
10	Coupling - VR Hose Coupling - Non-VR Hose	Raccord Flexible RV Raccord Flexible Non RV	900698 900699	
11	Spring Mast	Canne Flexible	900876	
12	Plate Lock Spring Mast	Plaque d'Arrêt Canne Flexible	901195	
13	High Speed Hose Adaptor	Adaptateur Haut Vitesse pour Flex	901611	
14	Flange - Rigid Mast	Bride Canne Rigide	904157	
15	Nipple M-F M36 - 1"	Mamelon M-F M36 - 1"	940950	
16	Coupling Brace	Croisillon d' Accouplement	941006	
17	Mast Rigid	Canne Rigide	941104	
18	Pipe Hose Connection - Elbow	Tube Rac Canne Flex - Coude	942486	
19	Bracket Assy Top Rigid Mast	Tôle Ferm mât Canne Rigide Asm	942646	
20	28mm Pipe Nut Assembly	28mm Pipe Nut Assembly	-	Refer to Pipe Nut Assemblies
21	Bracket Assy Top 2 x Spring Mast Bracket Assy Top 1 x Spring Mast	Tôle ferm mât Canne Flex 2f Asm Tôle ferm mât Canne Flex 1f Asm	942647 942648	



PAS V3/TQP-HS



EPZ/TQP-RS



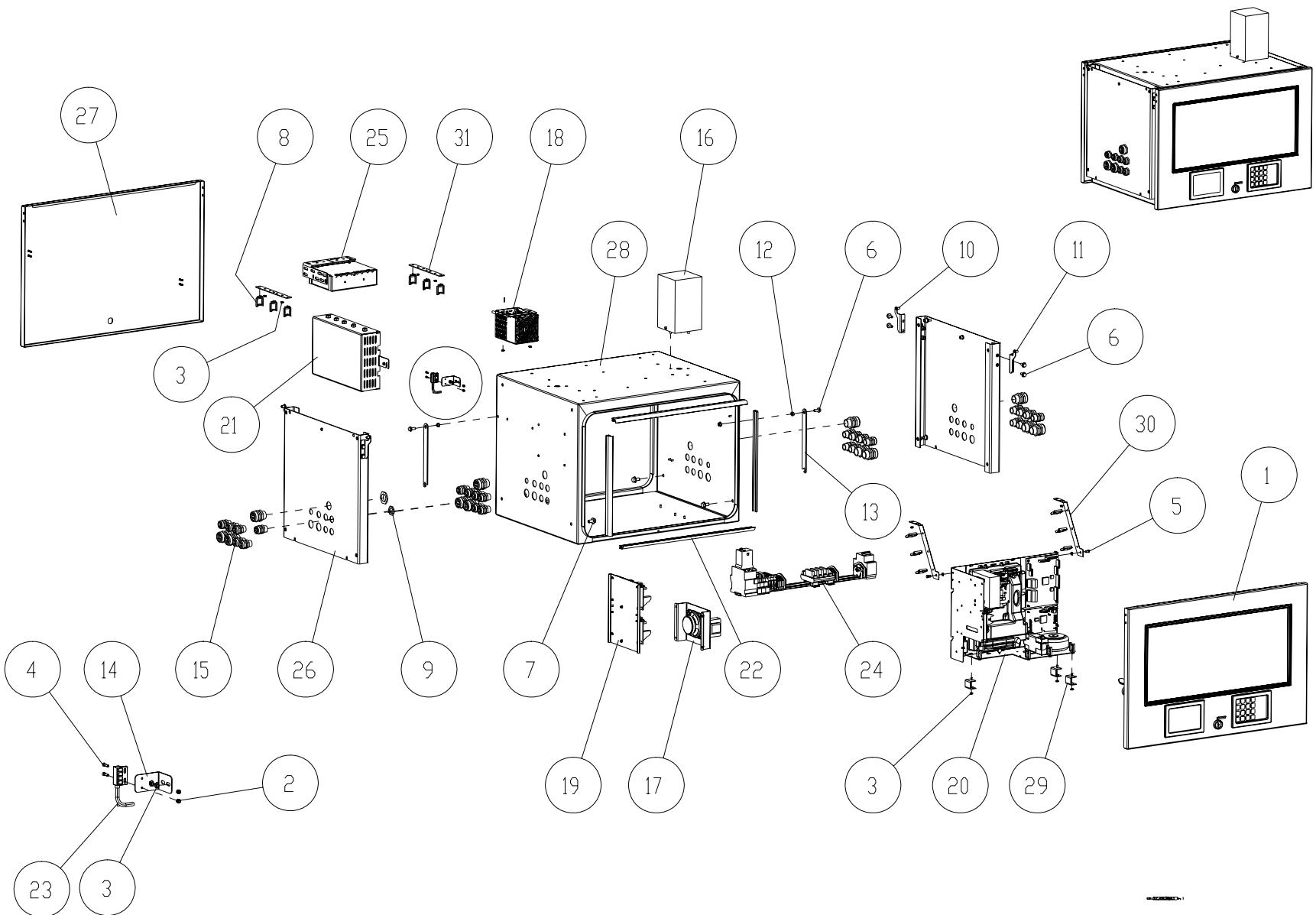
4.12 Air Vent Pipe Assemblies

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 12 x 12 mm	Rac EQ Egale D12	900033-001	
3	Clip Horse-Shoe	Fixation H/Shoe	900057	
4	Vent Outlet	Mise à l'Atmosphère	901724	
5	Adaptor Dia12 Male - 1/4" Male	Adapt Dia12 Male - 1/4" Male	901754-001	
6	Gauze - Flame Arrestor	Grillage Pare Flamme	902358	
7	Elbow Vent Float EPZ-T	Coude event EPZ-T	940936	
8	Pipe - Air Vent EPZ	Pipe - Air Vent EPZ	945642	EPZ / TQP-RS only
9	Pipe - Air Vent PAS V3	Pipe - Air Vent PAS V3	945649	PAS V3 / TQP-HS only

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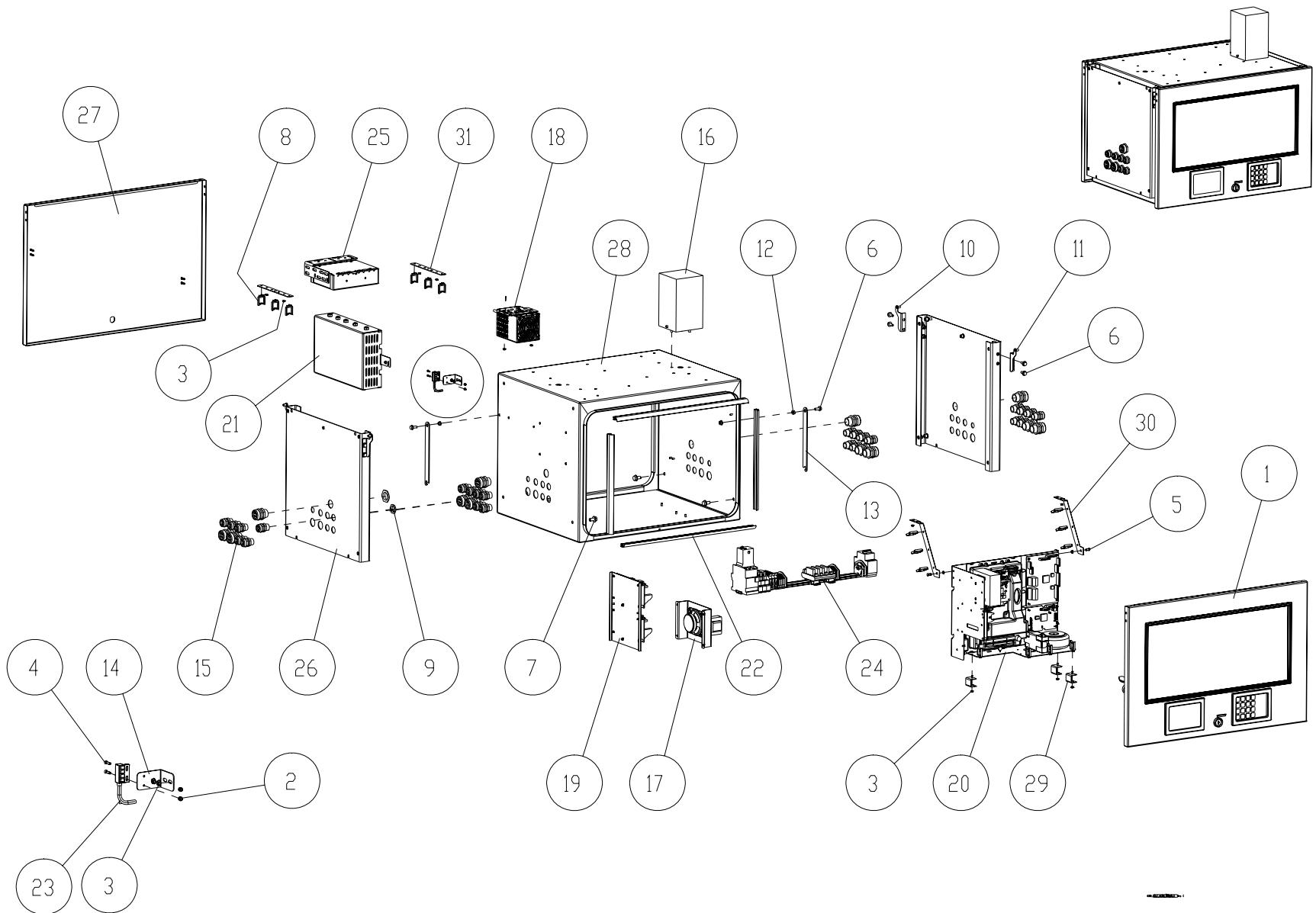


5 DISPENSER ELECTRONICS

5.1 Calculator Head Assembly

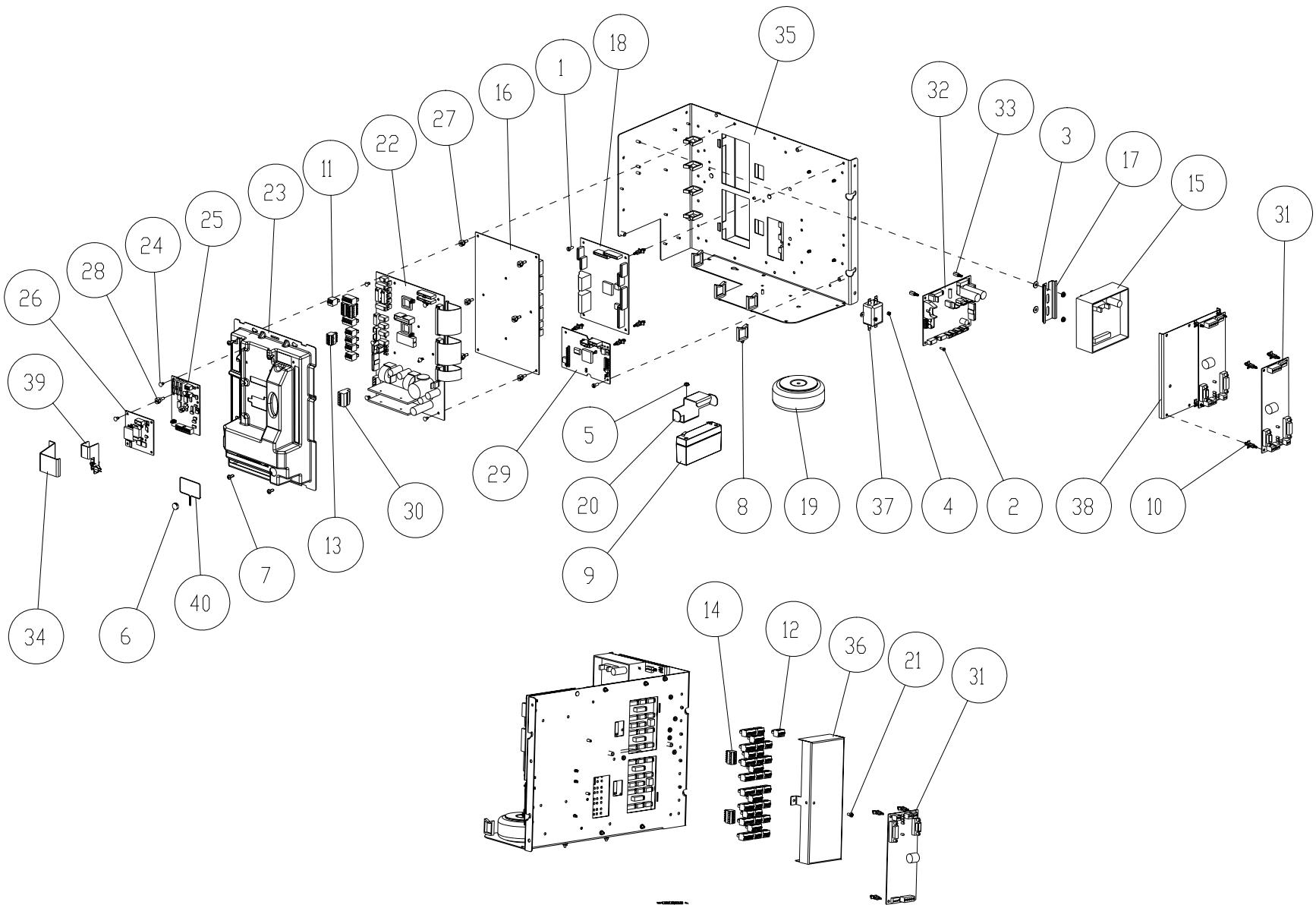
Item No	Description	Désignation Français	Part No	Comments
1	Calculator Head Door Assembly	Porte Calc Tete Asm	-	Refer to Door Assemblies
2	Nut Hex Prev Torque M3	Ecrou Frein M3	900012-001	
3	Nut Hex Self Lock M4	Ecrou Bride Autobloquant M4	900013-001	
4	Screw SCS M3x12	Vis FS M3x12	900014-004	
5	Screw HH M4x10	Vis H M4x10	900015-001	
6	Screw HFHSL M6x16	Vis Hex Br Autobl M6x16	900016-004	
7	Screw HFHSL M8x16	Vis Hex Br Autobl M8x16	900016-006	
8	Wire Clip max entas. 19	Fixation Câble Max Bundle 19	900058-001	
9	Nut Hex M20 x 1.5 (Bartec) Nut Hex M25 x 1.5 (Bartec) Nut Hex M16 x 1.5 (Capri)	Ecrou Hex M20 x 1.5 (Bartec) Ecrou Hex M25 x 1.5 (Bartec) Ecrou Hex M16 x 1.5 (Capri)	900088-001 900088-002 900088-004	
10	Hinge Bracket A2/B1 Side	Equerre Côté A2/B1	900171	
11	Hinge Bracket A1/B2 Side	Equerre Côté A1/B2	900172	
12	Bearing 6x9x6	Coussinet 6x9x6	900497-001	
13	Stay Arm Calc Door Q500T	Bras Arret Porte Calc Q500T	900578	
14	Bracket - Prog. Reed Switch	Support Contact Inter Prog.	901189	
15	Gland M16 X 1.5 Eexell 5-8mm Gland M25 X 1.5 IP66 4 x 6mm Gland M20 X 1.5 IP66 2 x 5mm	PE M16 X 1.5 Eexell 5-8mm PE M25 X 1.5 IP66 4 x 6mm PE M20 X 1.5 IP66 2 x 5mm	900362-001 900363-001 901479-001	
16	OPT Lamp Assembly	OPT Abot Jour Asm	-	Refer to Signal Lamp Assemblies
17	Speaker Assembly	Parleur Assembly	-	Refer to Speaker Assembly
18	OPT Heater	Chauffage OPT	903593	
19	HOM Board Assembly	HOM Board Assembly	-	Refer to HOM Board Assembly
20	Q310 Centre Plate Assembly	Q310 Plat de Centre Asm	-	Refer to Centre Plate Assembly
21	Capacitor Box Assembly	Condensateur Boite Asm	-	Refer to Capacitor Box Assembly

(Cont.)



5.1 Calculator Head Assembly (Cont.)

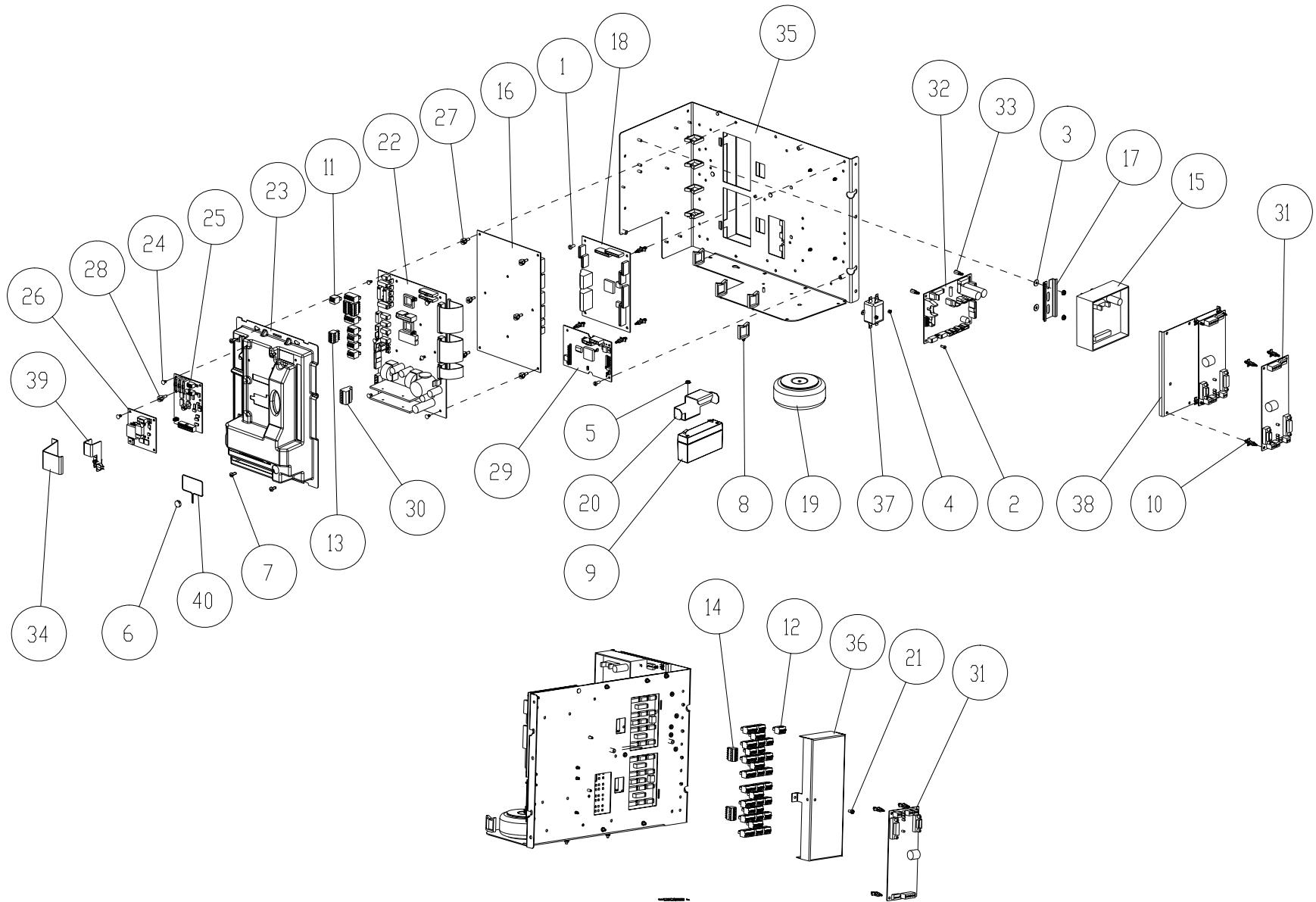
Item No	Description	Désignation Français	Part No	Comments
22	Gasket Rain Gutter	Gouttiere De Pluie Garniture	907128	
23	Magnetic Proximity Switch	Contact Magnetiq de Proximite	908172-001	
24	Mains Rail Assembly	Mains Rail Assembly	-	Refer to Mains Rail Assembly
25	Pulser Sealing Box Assembly	Pulser Etanchéité Boite Asm	-	Refer to Pulser Sealing Box Assy
26	Air Gap	Air Gap	940812	
27	Blind Head Door Assembly	Blind Head Door Assembly	-	Refer to Door Assemblies
28	Calc Box Weld Assy	Calc Boite Soudé Asm	940802	Standard
	Calc Box OPT Weld Assy	Calc Boite OPT Soudé Asm	940907	OPT option only
29	WWC Base Bracket Assy	WWC Support U Asm	942932	
30	WWC Anchor Bracket	WWC support d'ancre	944158	
31	Cable Strip	Bande de câble	944159	



5.2 Centre Plate Assembly

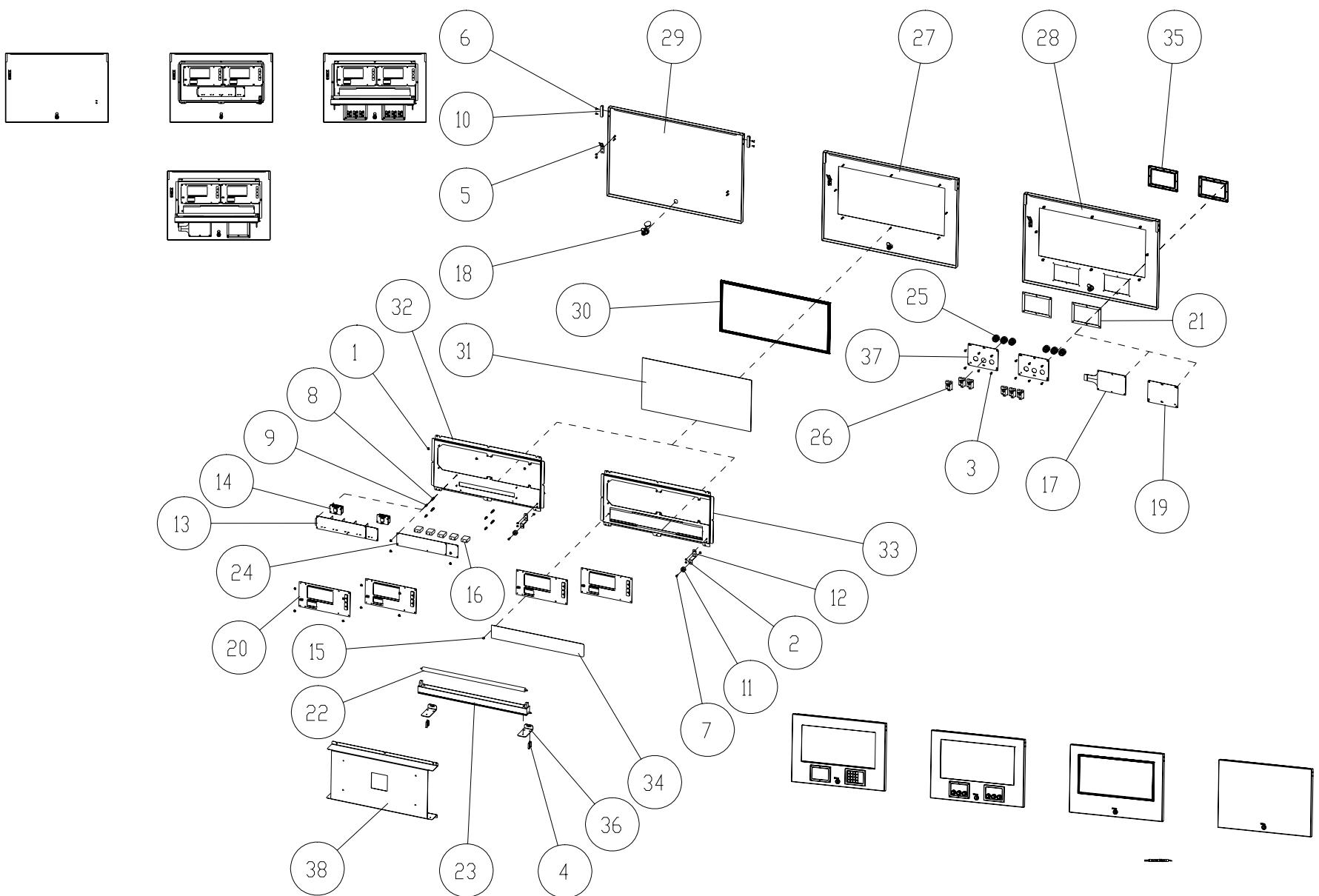
Item No	Description	Désignation Français	Part No	Comments
1	Screw SCH M4x10	Vis CS M4x10	900007-001	
2	Screw SCH M3x8	Vis CS M3x8	900007-008	
3	Washer PI d2=3xd1 M4	Rondelle PI d2=3xd1 M4	900008-003	
4	Nut Hex Prev Torque M3	Ecrou Frein M3	900012-001	
5	Nut Hex Self Lock M4	Ecrou Bride Autobloquant M4	900013-001	
6	Sealing Lead	Plomb à Pincer	900040	
7	Screw Torx Thr Form BH M4x10	Vis Torx AutoF TCBL Tril M4x10	900053-001	
8	Wire Clip Max Entas. 19	Fixation câble Max Bundle 19	900058-001	
9	Battery 6V 1.2 Ah	Batterie 6V 1.2 Ah	900075-001	
10	Lock. Circuitboard Support 9,5mm	Tabl Circ Verrouil Sup. 9.5mm	900456-001	
11	Connector pitch 3.81mm 3pole	Connector pitch 3.81mm 3pole	900862-003	
12	Connector pitch 3.81mm 4pole	Connector pitch 3.81mm 4pole	900862-004	
13	Connector pitch 3.81mm 5pole	Connector pitch 3.81mm 5pole	900862-005	
14	Connector pitch 3.81mm 6pole	Connector pitch 3.81mm 6pole	900862-006	
15	ERZ assy VFM Zener Barrier	ERZ assy VFM Zener Barrier	901207	
16	WWC IO Board V5	WWC IO Board V5	901410	
17	Rail TS 35 l=75	Rail de bornier TS 35 l=75	901432-001	
18	OCB (Option Controller Board)	Le Controleur D'option Monte	901538	
19	Toroidal Power Transformer	Toroidal Transformateur	901541	
20	Bracket Battery Calculator	Encadrer Calc de Batterie	901545	
21	M4x8 Sealing Screw 5-8 StZn	M4x8 Scellant VIS 5-8 StZn	901551-001	
22	WWC Mainboard V4	WWC Mainboard V4	901553	
23	WWC-251-Cover	WWC-251-Couvrir	901559	
24	4MM Nylon Rivet	4mm Nylon Rive	901560-001	
25	PCB/WWC022/EIB/IO Ext. Board	PCB/WWC022/EIB/IO Ext. Monte	901561	
26	WWC Comms Board LON/IFSF	WWC Communication Monter LON/IFSF	902254	
	WWC Comms Board M32/M3000	WWC Communication Monter M32/M3000	902255	

(Cont.)



5.2 Centre Plate Assembly (Cont.)

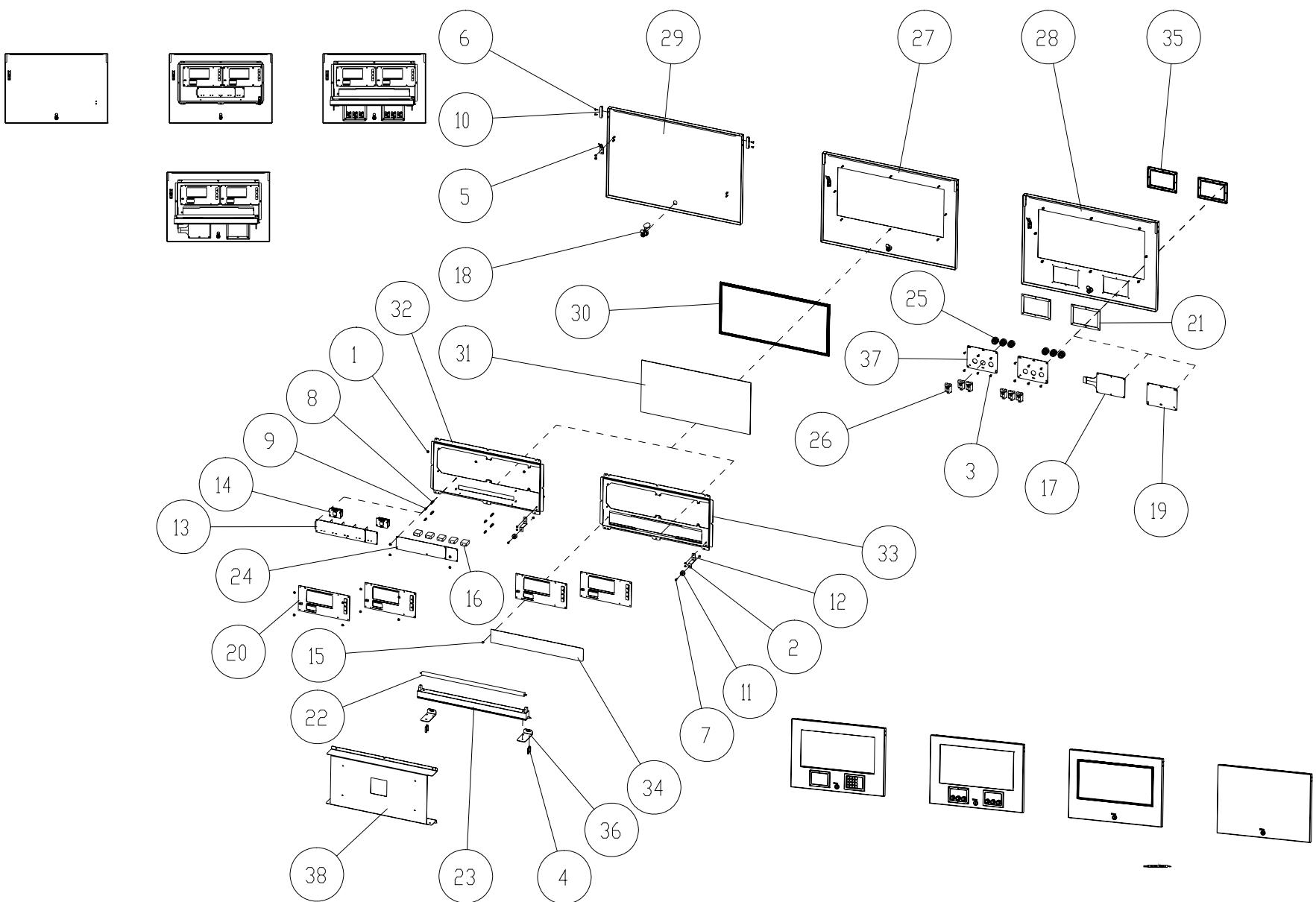
Item No	Description	Désignation Français	Part No	Comments
26 Cont.	WWC Comms Board ZSR/FM WWC Com. Brd Kienzle/ER3/S&B/DOMS WWC Comms Board Autotank WWC Comms Board Dresser/EPS WWC Comms Board Tokheim WWC Comms Board Logitron WWC Comms Board EIN/Sofitam/82D WWC Comms Board Nouvo Pignioni	WWC Communication Monter ZSR/FM WWC Com. Monter Kienzle/ER3/S&B/DOMS WWC Communication Monter Autotank WWC Com. Monter Dresser/EPS WWC Communication Monter Tokheim WWC Communication Monter Logitron WWC Com. Monter EIN/Sofitam/82D WWC Com. Monter Nouvo Pignioni	902256 902257 902258 902259 902260 902261 900329 940258	
27	9,5mm Nylon Board Support	9,5mm Nylon Monter Soutien	901563-001	
28	11mm Nylon Board Support	11mm Nylon Monter Soutien	901563-002	
29	User Access Module IR only	Utilisateur Accede le Module IR	901565	
30	Connector FKC 2.5	Connecteur FKC2.5	902042-005	
31	EPSI Interface ZSR/B 2 IN 1	EPSI Interface ZSR/B 2 IN 1	902958	
32	VRC-3 ECVR Board	VRC-3 ECVR Board	904197	
33	Standoff Locking M3 6x10	Entretoise Clip M3 6x10	906122-001	
34	Mainboard Pulser Seal	Joint de Pulser de Mainboard	906486	
35	WWC-T1 Centre Plate v1 Assy	WWC-T1 Centre Plaquer v1 Assy	906536	
36	Sealing Cover IO	Couvercle Plombage Carte I/E	906644	
37	Mains Filter	Filtre de Forces	906645	
38	EPSI Bracket	EPSI Bracket	907748	
39	Pulser Cover	Couvercle Emmeteur	9400025980	
40	Wire Seal	Métallique Cacheter	-	



5.3 Door Assemblies

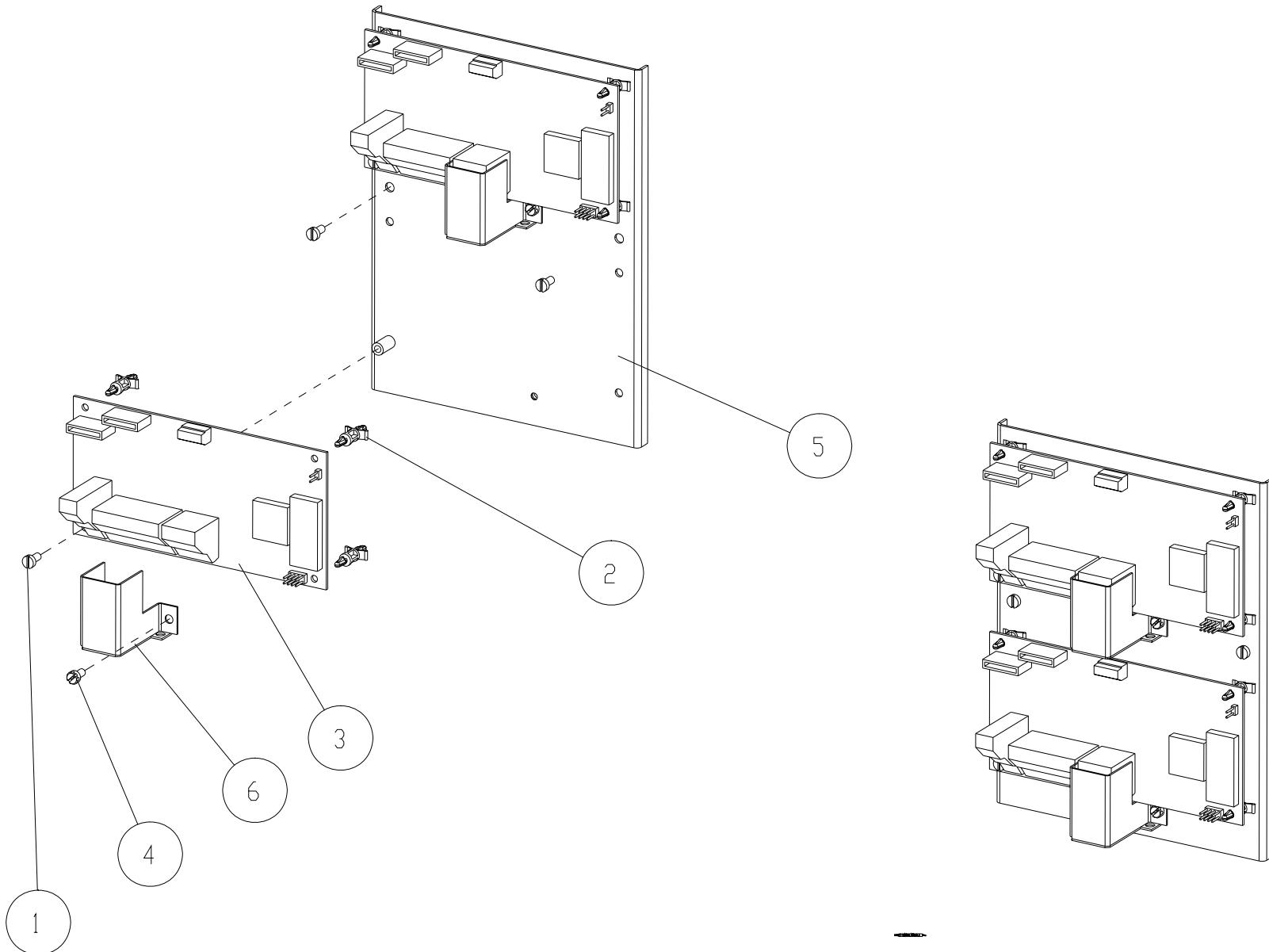
1	Nut Hex Self Lock M4	Ecrou Bride Autobloquant M4	900013-001	
2	Nut Hex Self Lock M3	Ecrou Bride Autobloquant M3	900013-006	
3	Screw CRRCH M4x10	Vis CBLZ M4x10	900052-003	
4	Wire Clip max entas. 19	Fixation câble Max Bundle 19	900058-001	
5	Stay Tab Calc Door Q500T	Fiche Arret Porte Calc	900577	
6	Screw HSC M4x10	Vis FHC M4x10	900643-002	
7	Screw HSC M4x16	Vis FHC M4x16	900643-003	
8	Spacer Thr Hex MF M4x20x10x10	Entretoise Hex MF M4x20x10x10	900711-007	
9	Spacer Thr Hex MF M4x12x8x8	Entretoise Hex MF M4x12x8x8	900711-017	
10	Hingebar Brass	Gond Porte Colonne	900733	
11	Magnet 20X4,4X10	Aimant 20X4,4X10	900757-001	
12	Bracket Prog Switch Magnet LCD Bracket Prog Switch Magnet Blank	Support Aimant Inter Prog LCD Support Aimant Inter Prog Aveugle	901188 901351	No Display Option
13	PCB/WWC032/OPU/OPT PER UNIT	PCB/WWC032/OPU/OPT PER UNIT	901354	EMT & UPD Option
14	PCB/WWC033/ODU-UP/UPD PIGGY-BA	PCB/WWC033/ODU-UP/UPD PIGGY-BA	901355	UPD Option
15	5MM Nylon Rivet	5mm Nylon Rivet	901560-002	
16	Electro-mechanical Totalizer	Totalisateur Electro-mech.	902265	EMT Option
17	Membrane Keyboard 4X4	Clavier Prede 4X4	902470	
18	Lock Assembly	Serrure Porte Asm	-	Refer to Lock Drawing
19	Full Cap Reset Ràz & Preset	Tôle Obturation Raz & Prédé	903752	
20	Cust Sales Display LCD Cust Sales Display LCD	Afficheur Prix de Vente LCD Afficheur Prix de Vente LCD	909692 941828	Germany Non MID - Sealing Option
21	Gasket Preset Full Cap Plate	Joint Tole Obturation Prede	904853	
22	Lamp F13	Lampe F13	905025	
23	Ballast SMI 13	Réglet SMI13	905026	
24	PCB/WWC032/OPU/OPT PER UNIT	PCB/WWC032/OPU/OPT PER UNIT	906894	EMT Option
25	Black Button	Bouton Noir	908603-001	
26	Switch Body ZB5	Corps Contact ZB5	908604	

(Cont.)



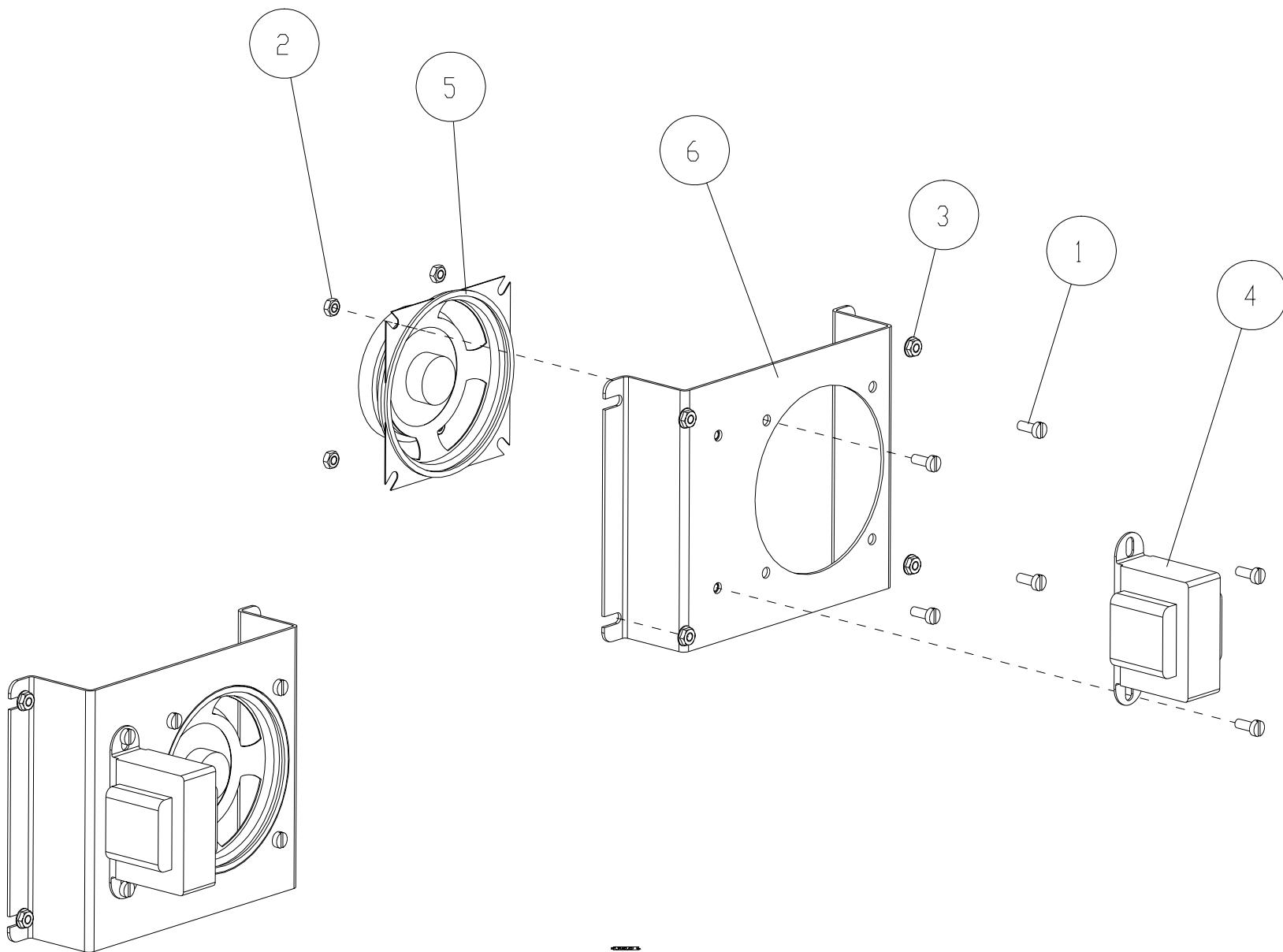
5.3 Door Assemblies (Cont.)

Item No	Description	Désignation Français	Part No	Comments
27	Door Head Weld	Portillon Soudé	940875	
	Door Head Weld ACP	Portillon Soudé ACP	948453	Additional Corrosion Protection
28	Door Head 2xPreset Button/Keypad Assy	Portillon 2x Clavier Prétré Asm	940883	Preset Buttons or Keypad Option
	Door Head 2xPreset Button/Keypad ACP	Portillon 2x Clavier Prétré Asm ACP	948455	Additional Corrosion Protection
29	Door Head Blank Weld	Portillon Aveugle Soudé	940885	
	Door Head Blank Weld ACP	Portillon Aveugle Soudé ACP	948457	Additional Corrosion Protection
30	Calc Door Seal Moulded Q310	Joint Porte Calc Moule Q310	940898	
31	Glass Q300T1	Glace Q300T1	940899	
32	Plate 1x LCD Assy	Support 1x LCD Assy	940923	Standard
	Plate 2x LCD Assy	Support 2x LCD Assy	940925	Standard
	Plate 1x LCD EMT Assy	Support 1x LCD EMT Assy	940927	EMT Option
	Plate 2x LCD EMT Assy	Support 2x LCD EMT Assy	940929	EMT Option
33	Plate 1x LCD IPI Assy	Support 1x LCD IPI Assy	940931	IPI Option
	Plate 2x LCD IPI Assy	Support 2x LCD IPI Assy	940933	IPI Option
34	Plexi Product Indication	Plexi Rappel Produit Brut	941020	
35	Bezel Preset Keypad	Clavier prétré Couvercle	942247	
36	Bracket IPI	Support Régllette Façade	942831	
37	Plate 3 PB	Plaque 3 Boutons Poussoir	942909	
38	Display Sealing Cover	Couvercle LCD	944755	Italy Only



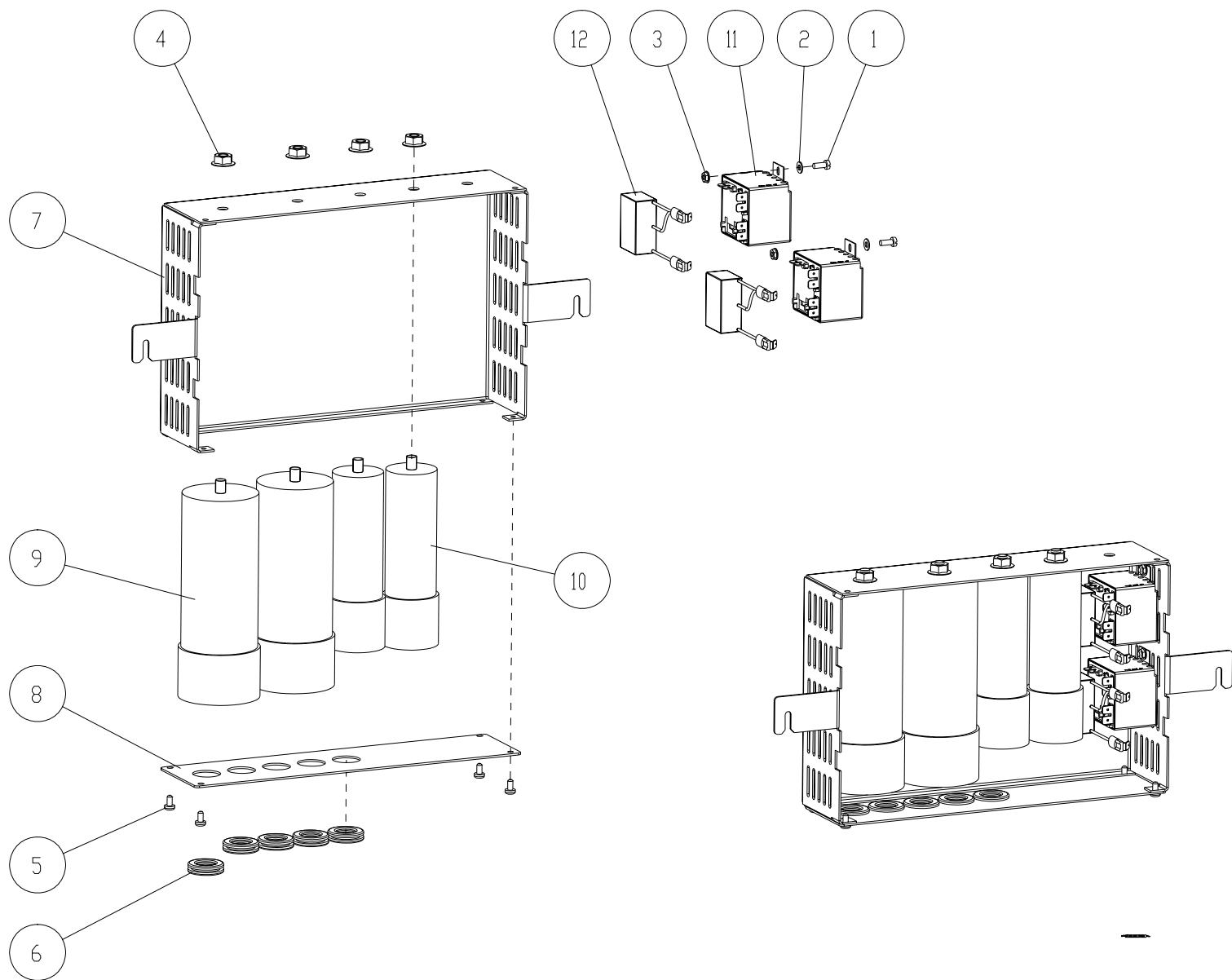
5.4 HOM Board Assembly

Item No	Description	Désignation Français	Part No	Comments
1	Screw SCH M4x8	Vis CS M4x8	900007-003	
2	Lock. Circuitboard Support 9,5mm	Tabl Circ Verrouil Sup. 9.5mm	900456-001	
3	HOM (Hydraulic Option Module)	Module Hydraulique D'Option	901539	
4	M4x8 Sealing Screw 5-8 StZn	M4x8 Scellant VIS 5-8 StZn	901551-001	
5	HOM Bracket	Support HOM	906533	
6	HOM Sealing Bracket	Couverture de Scellage	906534	



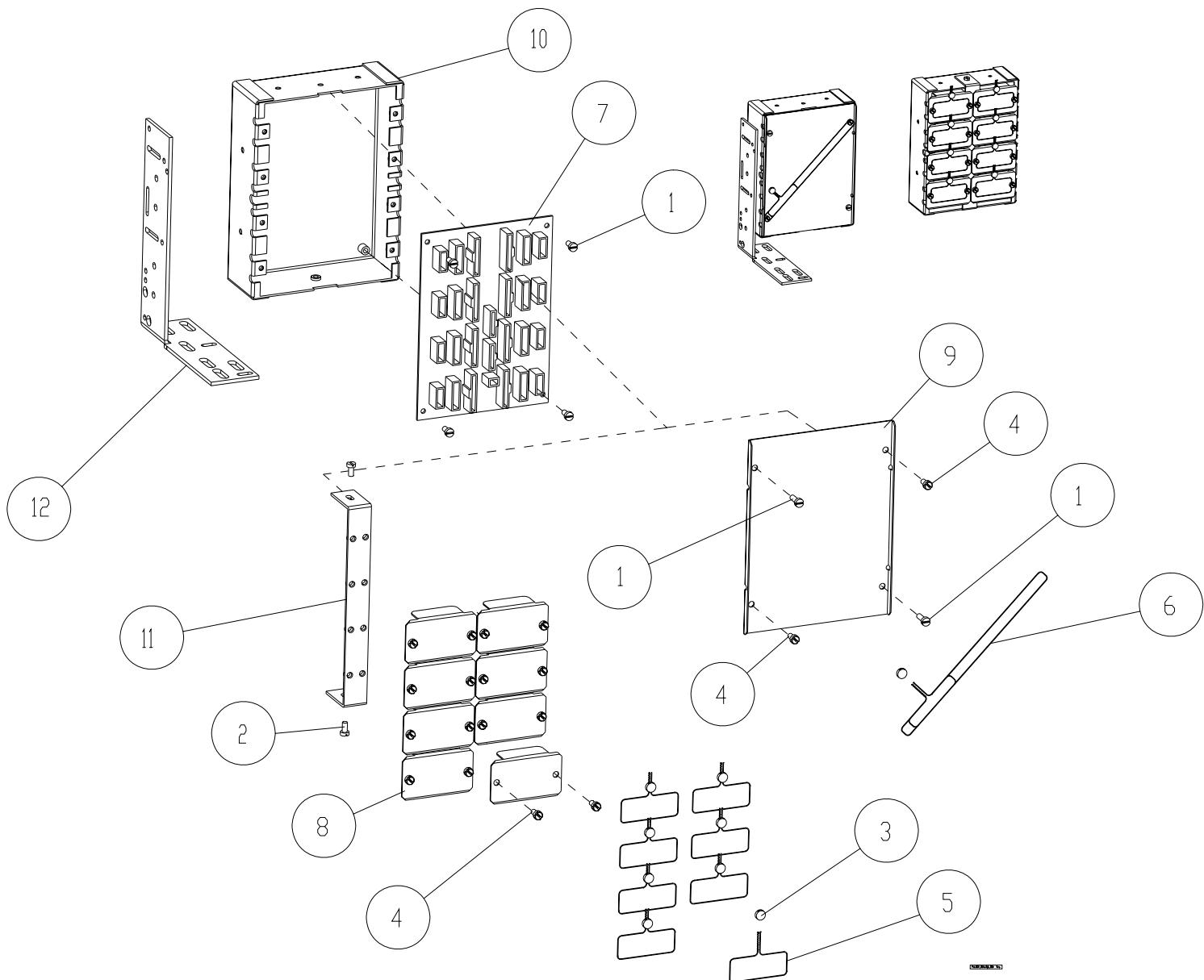
5.5 Speaker Assembly

Item No	Description	Désignation Français	Part No	Comments
1	Screw SCH M4x10	Vis CS M4x10	900007-001	
2	Nut Hex M4	Ecrou H M4	900011-005	
3	Nut Hex Self Lock M4	Ecrou Bride Autobloquant M4	900013-001	
4	8 OHM Speaker Transformer	8 OHM Transformateur Haut Parl	900302	
5	8 OHM pa Speaker	8 OHM pa Haut Parl	901057	
6	Bracket - Speaker	Support Haut Parleur	902509	



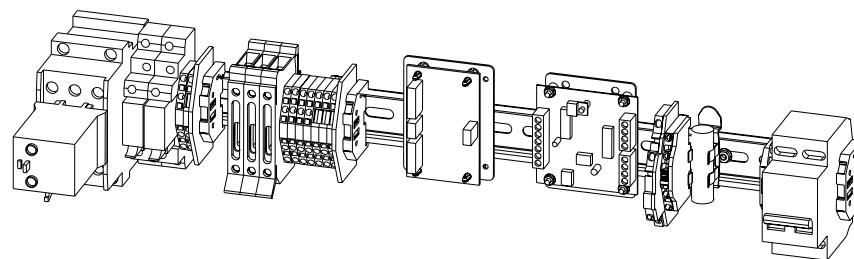
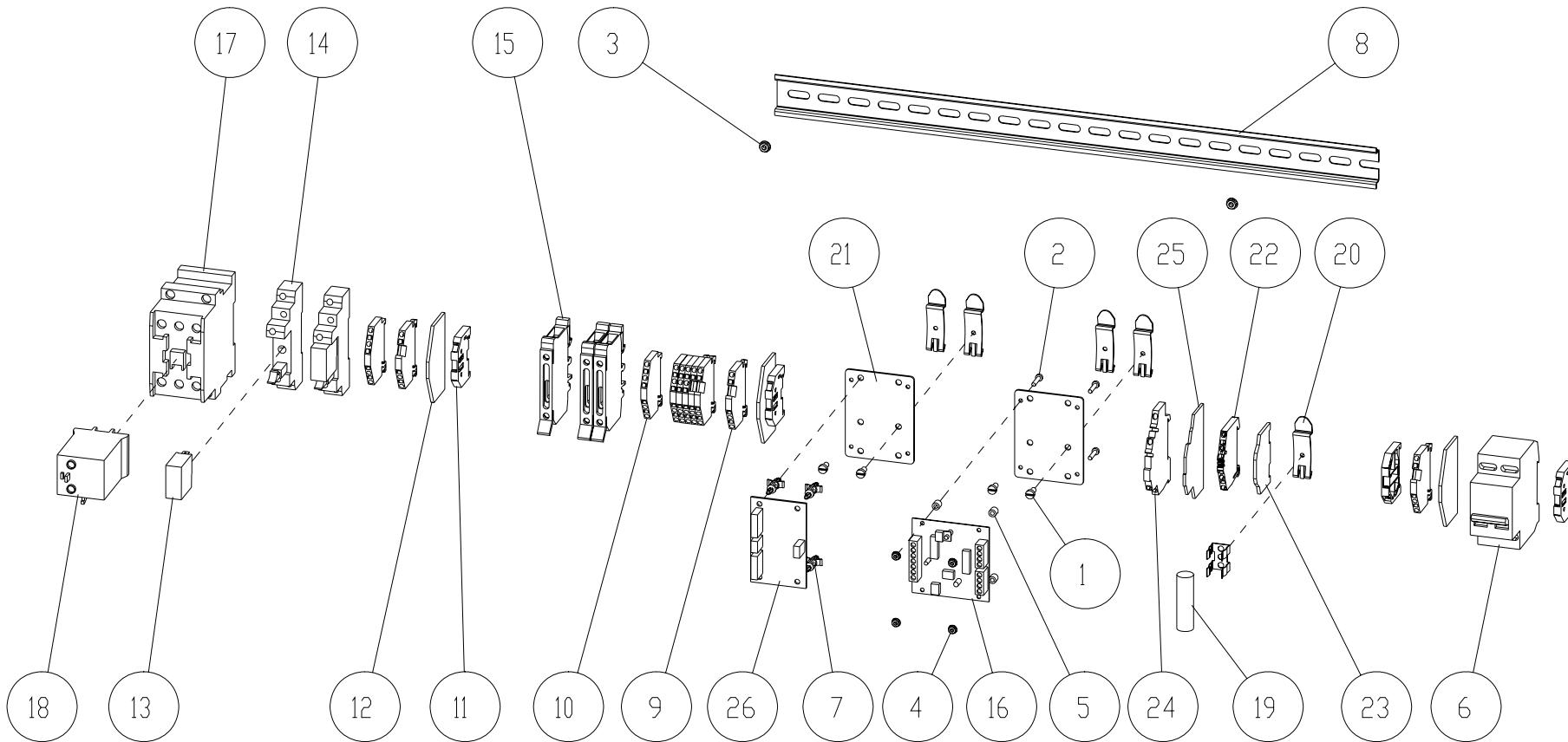
5.6 Capacitor Box Assembly

Item No	Description	Désignation Français	Part No	Comments
1	Screw SCH M4x10	Vis CS M4x10	900007-001	
2	Washer PI M4	Rondelle PI M4	900008-001	
3	Nut Hex Self Lock M4	Ecrou Bride Autobloquant M4	900013-001	
4	Nut Hex Self Lock M8	Ecrou Bride Autobloquant M8	900013-004	
5	Screw CRRCHTF M4x8	Autotara Cyl Bomb Emp Cru M4 x 8	900078-003	
6	Grommet Membrane ID16	Passe fil à Membrane DG16	903754-002	
7	Capacitor Box	Condensateur Boite	906892	
8	Capacitor Box Lid	Couvercle Boite Condensateur	906905	
9	Capacitor 90uF	Condensateur 90uF	907315-007	Rael Motors only
10	Capacitor 25uF	Condensateur 25uF	907315-008	50Hz Rael Motor only
	Capacitor 20uF	Condensateur 20uF	907315-009	60Hz Rael Motor only
11	Motor Start Potential Relay	Relais Potentiel de Démarrage Moteur	944866-001	50Hz
	Motor Start Potential Relay	Relais Potentiel de Démarrage Moteur	944866-002	60Hz
12	RC Filter for Zettler	RC Filter for Zettler	944911	



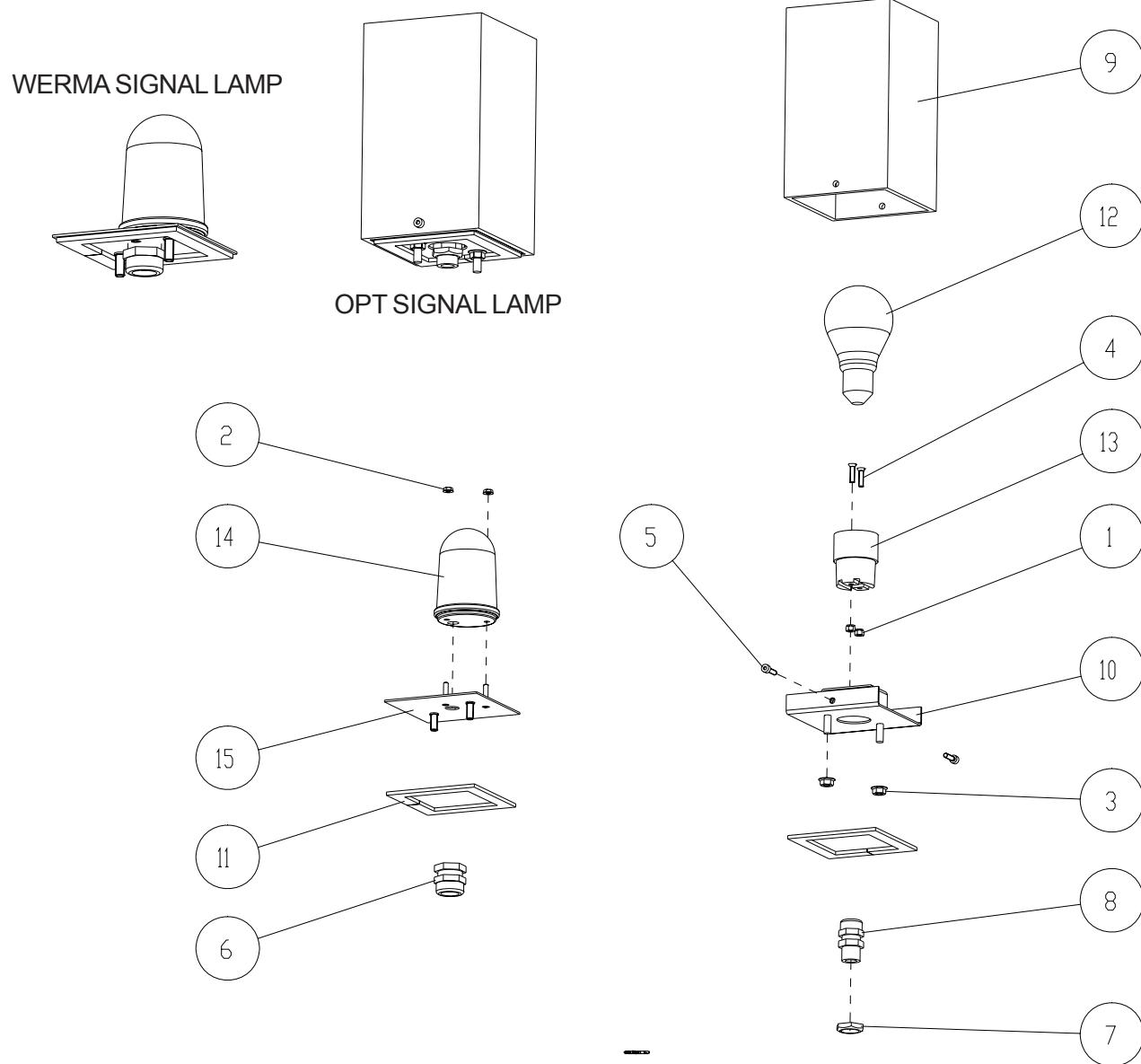
5.7 Pulser Sealing Box Assembly

Item No	Description	Désignation Français	Part No	Comments
1	Screw SCH M4x8	Vis CS M4x8	900007-003	
2	Screw SCS M4x8	Vis FS M4x8	900014-006	
3	Sealing Lead D8 x 2.5	Plomb à Pincer	900040-002	
4	M4x8 Sealing screw 5-8 StZn	M4x8 Scellant VIS 5-8 StZn	901551-001	
5	Seal Wire Steel	Fil de Plombage Acier	902404-001	Cut to 0.1m
6	Seal Wire Steel	Fil de Plombage Acier	902404-001	Cut to 0.4m
7	Pulser Calibration-Temp Comp	Pulser Calibration-Temp Comp	909520-001	
8	Sealing Board Lid (each meter)	Sealing Board Lid (each meter)	909681	
9	Sealing Board Lid	Sealing Board Lid	909682	
10	Sealing Board Frame Elect. Calibration	Armature de Calibrage Electronique	909766	
11	Omega Profile Sealing Board Frame	Omega profile Sealing Board Frame	940233	
12	Bracket Electronic Calibration	Bracket Electronique Calibration	940700	



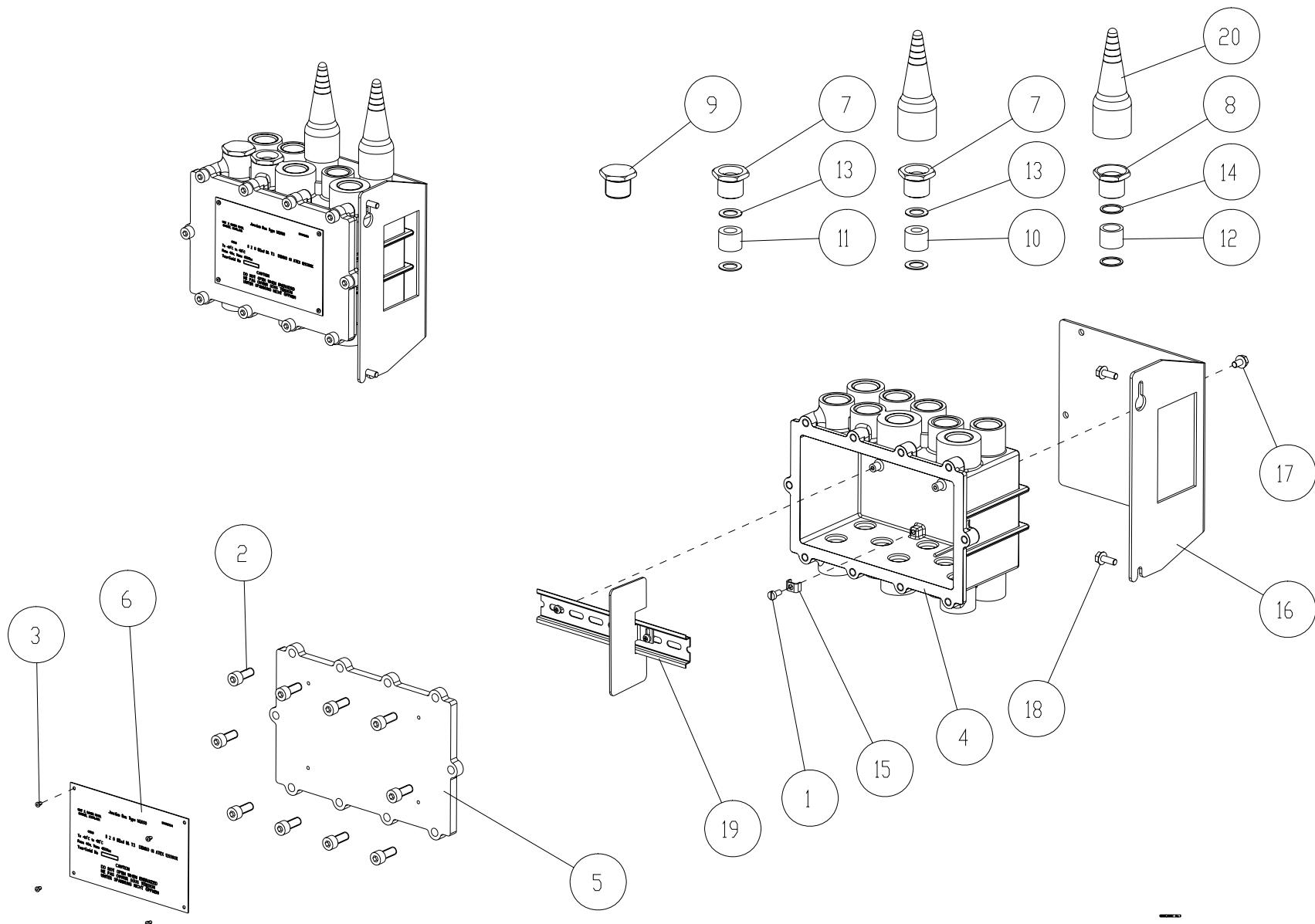
5.8 Mains Rail Assembly

Item No	Description	Désignation Français	Part No	Comments
1	Screw SCH M4x8	Vis CS M4x8	900007-003	
2	Screw SCH M3x14	Vis CS M3x14	900007-012	
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	Spacer 3.2x6x6	Entretoise Cyl 3.2x6x6	900024-013	
6	Main Switch	Commutation Principal	900074	
7	Lock. Circuitboard Support 9,5mm	Tabl Circ Verrouil Sup. 9.5mm	900456-001	
8	Rail TS 35 l=500	Rail de Bornier TS 35 l=500	901432-009	
9	Clamps 3 Ways 2.5QMM Green/Yellow	Borne 3 Voies 2.5QMM Vert/Jaune	901710-001	
10	Clamps 4 Ways 2.5QMM Grey	Borne 4 Voies 2.5 QMM Gris	901711-001	
11	Endstop Grey 35mm 249-116	Butée arrêt Grise 35mm 249-116	901712-001	
12	Separation Plate OG, 280-318	Plaque Séparation OG, 280-318	901854-001	
13	Relay 10A Single Pole Contact	Relais Contact Simple Pôle 10A	902236-001	
14	Relay Socket TS35 Rail 10A 25	Cavité Relais TS35 Rail 10A 25	902237-001	
15	Fuse Holder for 6,3x32 Fuse	Porte Fusible Section 6.3x32	903482	
16	Metax Interface Board	Metax Interface Board	904667	
17	Contactor DIL 0M 230V 50Hz	Contactor DIL 0M 230V 50Hz	905174-001	
18	Mechanical Latching Module V DIL 230V 5	Mechanical Latching Module V DIL 230V 5	905175-001	
19	Vibration Contact	Vibration Contact	905176	
20	Clip Nut M4 - DIN Rail	Ecrou Clip M4 - Rail DIN	906193-001	
21	Mount Plate Dresser / Metax Board	Plat. Support Carte Dresser/Metax	907912	
22	Clamp 4 x 0,13 - 2,50 mm gn/ye	Borne 4x0.13-2.50mm Vert/Jaune	909416-002	
23	End Plate Orange	Plaque Separation Orange	909416-003	
24	Clamp 2x2x 0.13-2.50mm Beige	Borne 2x2x 0.13-2.50mm Beige	909416-013	
25	End Plate Orange for Clamp 013	Plaque Separa Orange pour -013	909416-014	
26	PCB Dresser Link Switch	PCB Dresser Link Switch	9700800094	



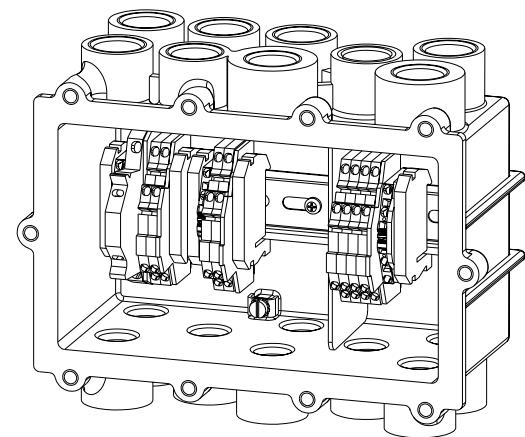
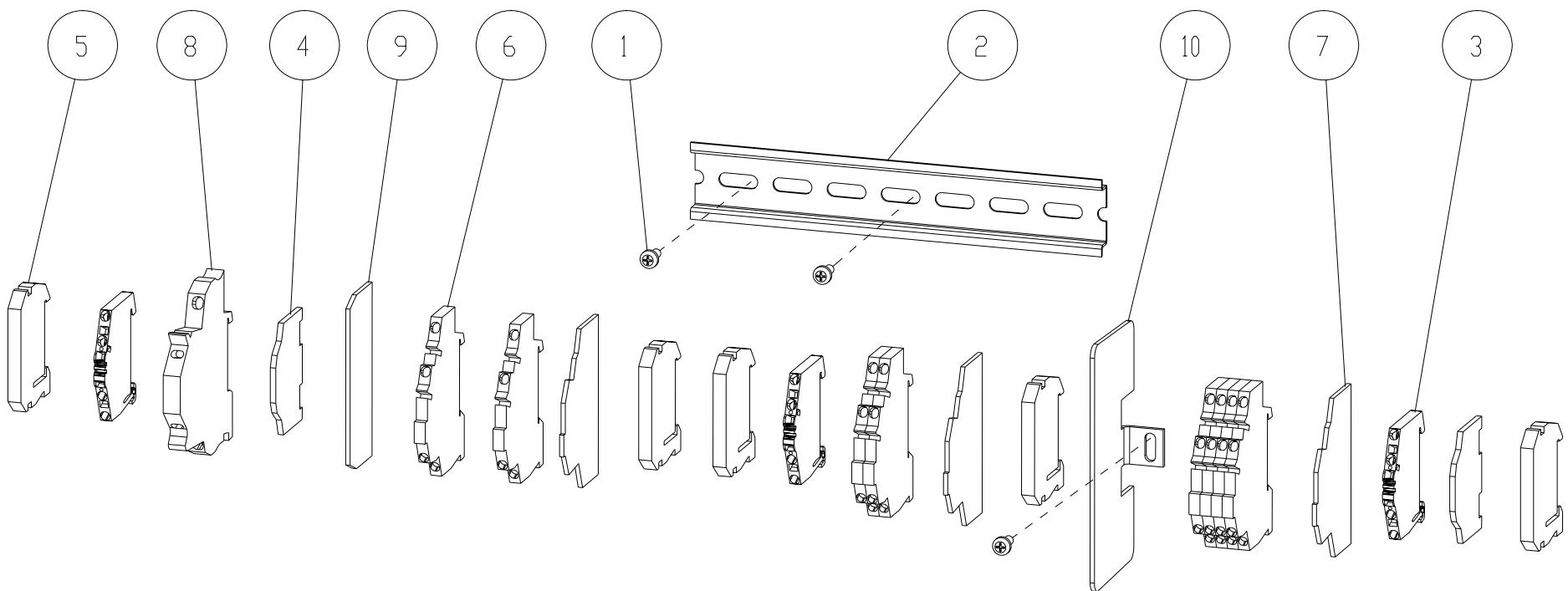
5.9 Signal Lamp Assemblies

Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Prev Torque M4	Ecrou Frein M4	900012-004	
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 SCS M4x16	Vis FS M4x16	900014-007	
5	Screw HSHC M4x16	Vis CHC M4x16	900017-014	
6	Gland M12 x 1.5 Eexe II 3.5 - 6mm	PE M12 x 1.5 Eexe II 3.5 - 6mm	900064-002	
7	Nut Hex M16 x 1,5 (Capri)	Ecrou Hex M16 x 1,5 (Capri)	900088-004	
8	GLAND M16X1,5 Eexell 5-8mm	PE M16X1,5 Eexell/ 5-8mm	900362-001	
9	OPT Lamp Cover OPT Lamp Cover Red	OPT Abot Jour OPT Couvre Lampe Rouge	902307 943090	Standard Red
10	OPT Lamp Base	OPT Garniture	902308	
11	OPT Lamp Seal	OPT Etancheteite	902309	
12	Lamp	Lampe	902312-001	
13	E27 Lampfitting	E27 Garniture	902313-001	
14	Werma 210 Signal Lamp	Werma 210 Signal Lamp	943466	
15	Werma Lamp Adaptor	Werma Lamp Adaptor	943467	



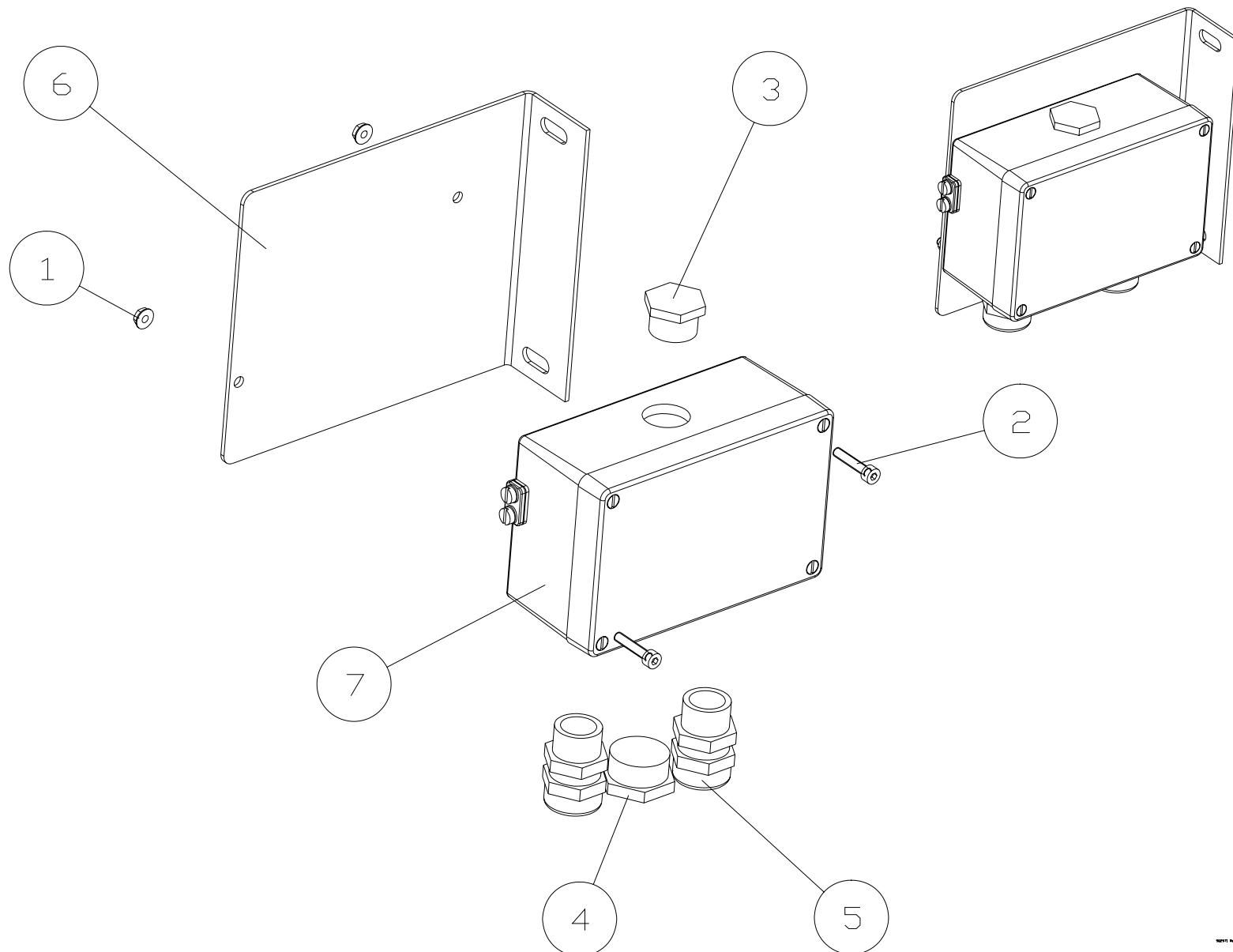
5.10 Main Junction Box Assembly

Item No	Description	Désignation Français	Part No	Comments
1	Screw SCH M5x10	Vis CS M5x10	900007-004	
2	Screw HSHC M8x20	Vis CHC M8x20	900017-002	
3	Rivet Rokut	Rivet Expansion	900022-002	
4	Junction Box-M2000-series	Boitier de Connection-M2000	900104	
5	Cover Junction Box M2000	Couvercle Boitier Connection	900105	
6	Typeplate Junction Box M2000	Plaque no Serie Boitier	900106	
7	Gland Exd M25 14mm	Ecrou P.E.	900108	
8	Gland Exd M25 19mm	Ecrou P.E.	900109	
9	Blindstop Exd M25	Bouchon	900110	
10	Grommet 8-11	Bouchon	900111	
11	Grommet 10-13	Bouchon	900112	
12	Grommet 14-17	Bouchon	900113	
13	Back-up Ring 8-13	Rondelle Acier	900114	
14	Back-up Ring 14-17	Rondelle Acier	900115	
15	Grounding Clamp	Borne de Mise la Terre	900118	
16	Junction Box Bracket	Support Boitier de Raccordement	900316	
17	Screw Hex Flange Head Thread For.	Vis Auto-Taraudeuse Hex Emb. Cyl.	900708-001	
18	Screw HFHTF M6x16	Vis Hex. Taraudeuse M6x16	900708-003	
19	Rail TS 35 l=190	Rail de Bornier TS 35 l=190	901432-012	Refer to J.Box Internal Components
20	Cable Shroud	Cable Suaire	904534	



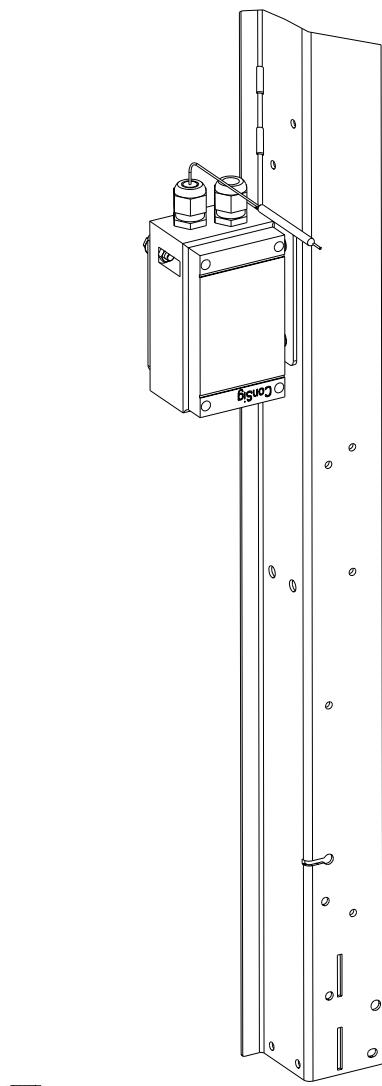
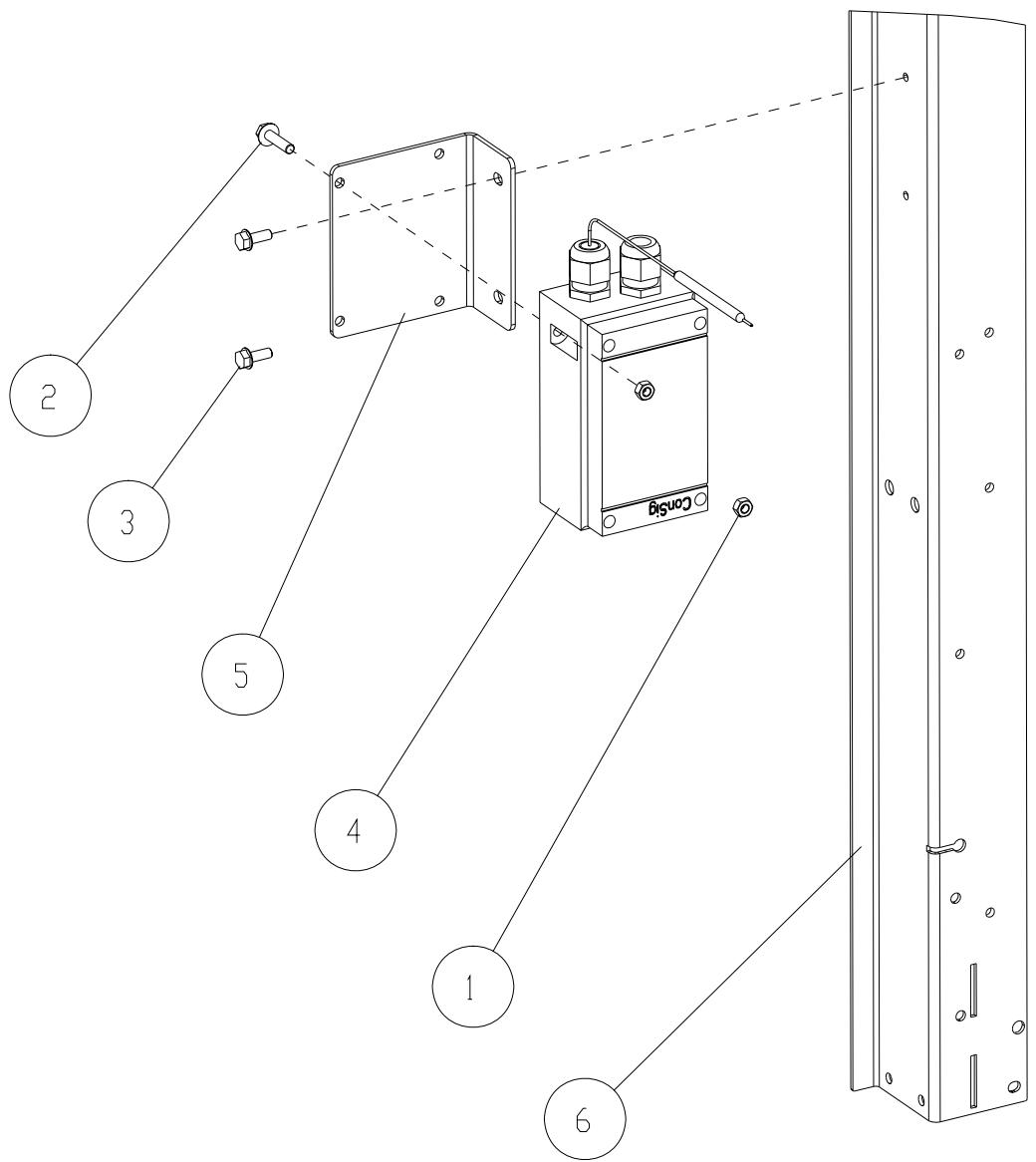
5.10.1 MAIN JUNCTION BOX INTERNAL COMPONENTS

Item No	Description	Désignation Français	Part No	Comments
1	Screw CRRCHTF M4x10	Autotara Cyl Bomb Emp Cru M4x10	900078-004	
2	Rail TS 35 l=190	Rail de Bornier TS 35 l=190	901432-012	
3	Clamp 4 x 0,13 - 2,50 mm gn/ye	Borne 4x0.13-2.50mm Vert/Jaune	909416-002	
4	End Plate Orange	Plaque Separation Orange	909416-003	
5	End Bracket Beige	Extremite Stop Beige	909416-006	
6	Clamp 2x2x 0.13-2.50mm Beige	Borne 2x2x 0.13-2.50mm Beige	909416-013	
7	End Plate Orange for Clamp 013	Plaque Separa Orange pour -013	909416-014	
8	Clamp Fuse 5x20 2,50mm Beige	Borne Fusible 5x20 2.50mm Beige	909416-015	
9	End Plate Beige for Clamp -016	Plaque Separation Beige pour -015	909416-016	
10	Devider Plate Junction Box	Devider Plate Junction Box	940340	



5.11 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	



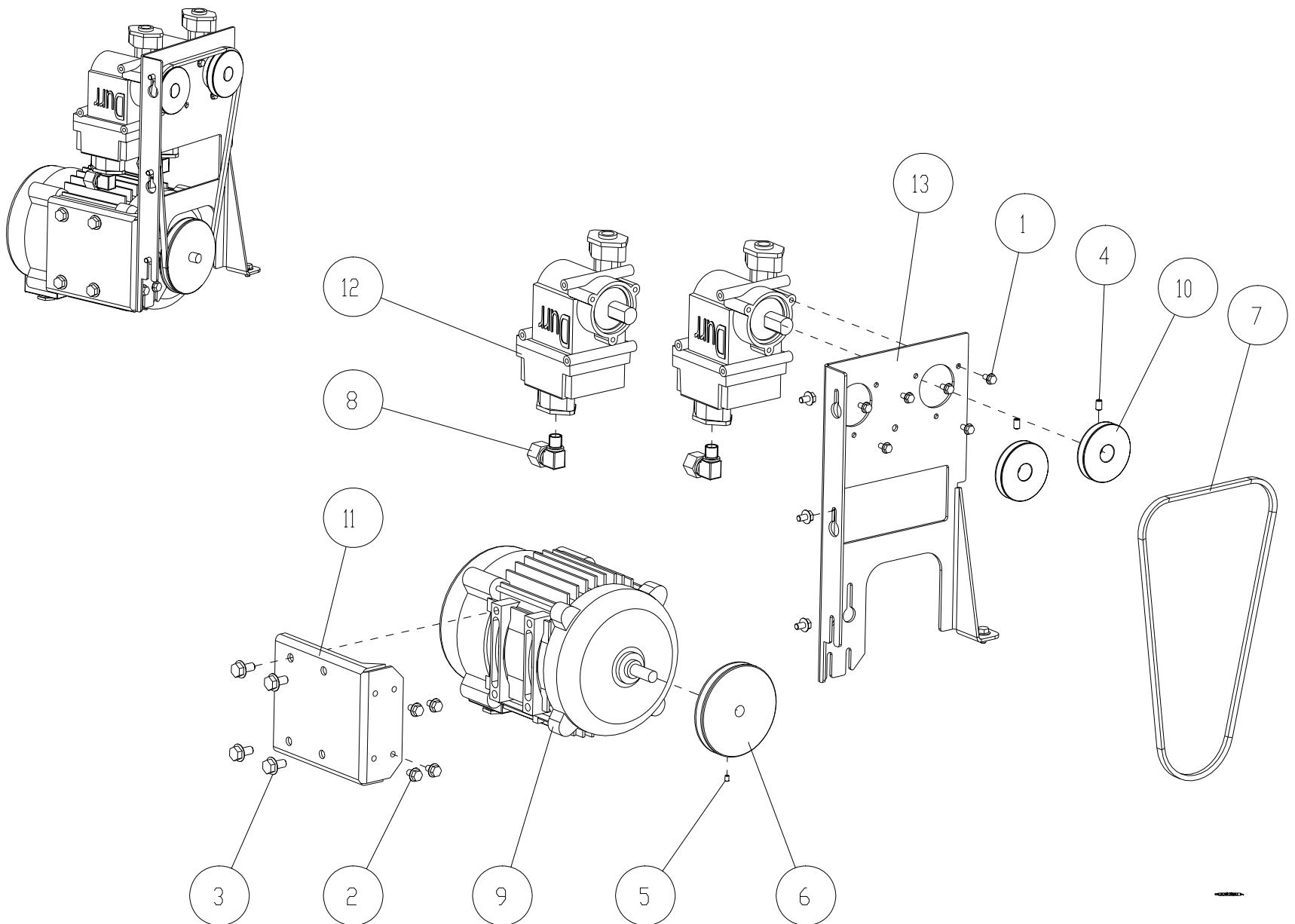
5.12 Fire Detection Assembly

Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex M6	Ecrou H M6	900011-001	
2	Screw HFHSL M6x25	Vis Hex Br Autobl M6x25	900016-014	
3	Screw HFHTF M6x16	Vis Hex. Taraudeuse M6x16	900708-003	
4	Fire Detector - Stahl	Detection de Feu	903291	
5	Fire Deection Bracket	Support Detecteur de Feu	942928	
6	Bracket Vertical	Montant Vertical	-	Refer to Frame Assembly

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CONTENTS

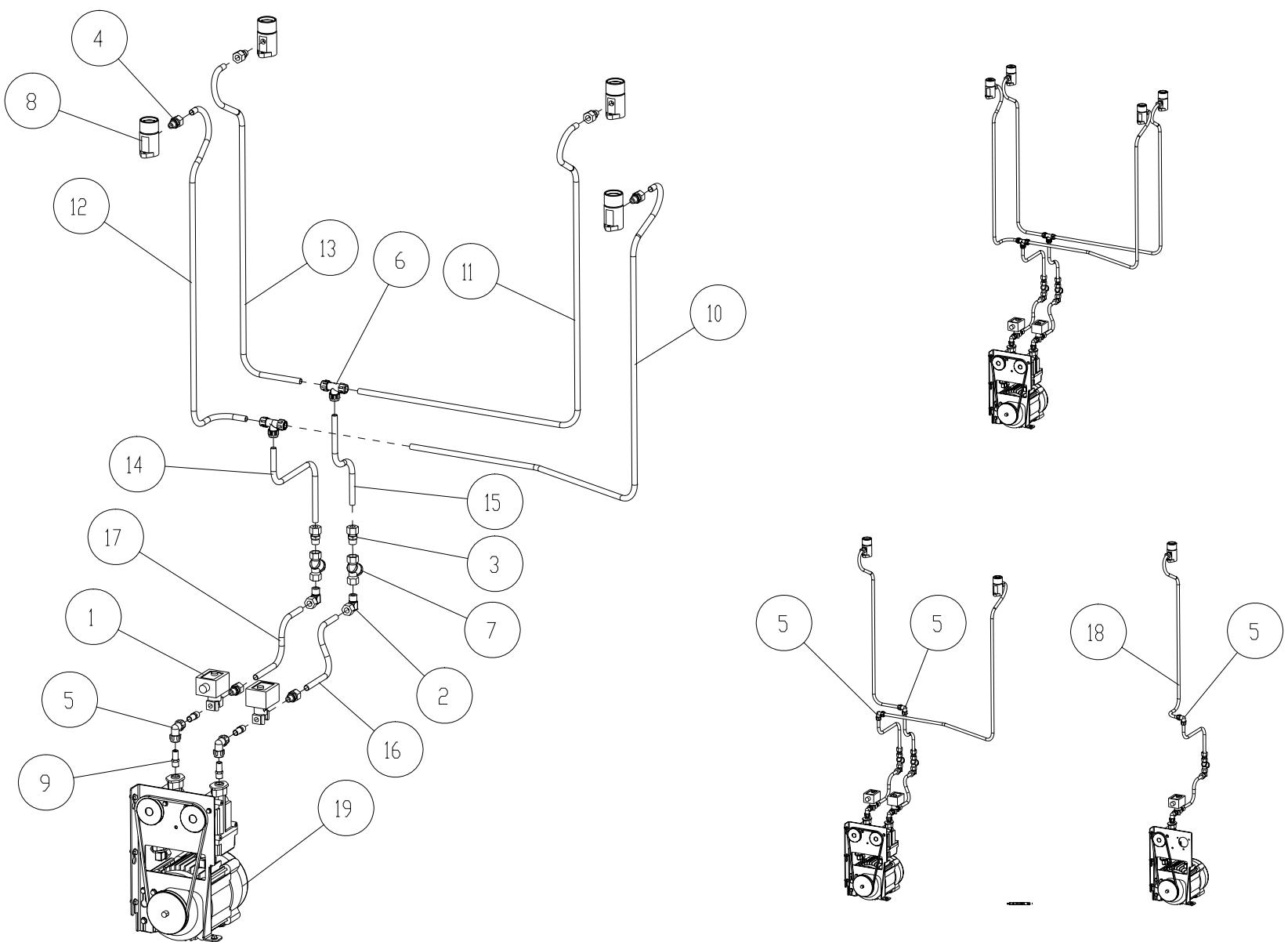
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6 VAPOUR RECOVERY

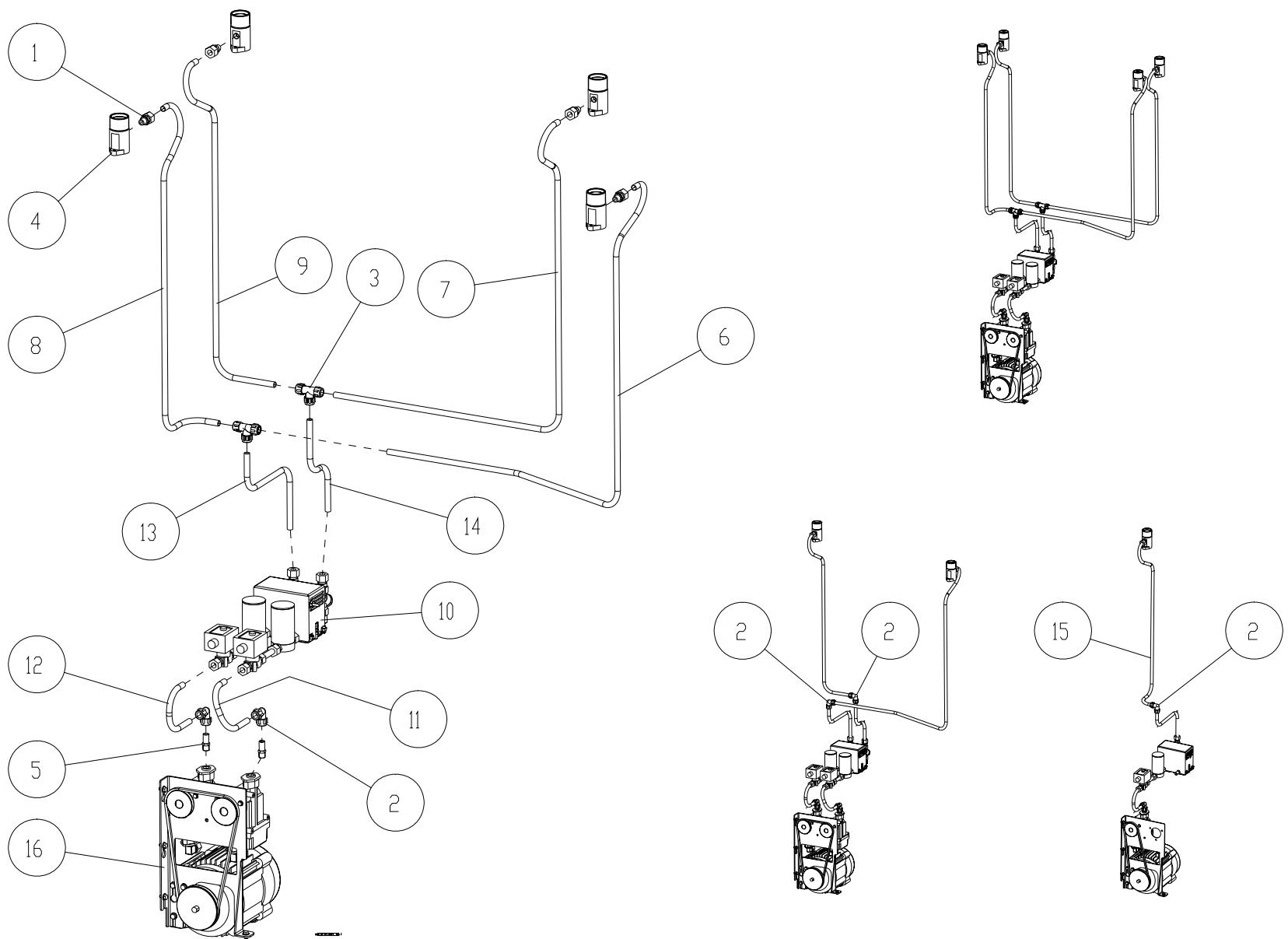
6.1 VR Pump Assembly

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 820 Lp V-Belt - 8 x 5 x 710 Lp	Courroie - 8 x 5 x 820 Lp Courroie - 8 x 5 x 710 Lp	900028-001 900028-002	Double Sided Single Sided
8	Elbow Compr 1/4" BSPM 12mm	EQ-PIQ-M12-1/4	900031-001	
9	Motor EXD 0.25kW Star 400V 3cl Motor EXD 0.37kW 50Hz Motor EXD 0.37kW 60Hz Motor EXD 0.25kW Delta 400V 3cl Elnor 0.37kW Motor 50Hz	Motor EXD 0.25kW Star 400V 3cl Motor EXD 0.37kW 50Hz Motor EXD 0.37kW 60Hz Moteur EXD 0.25kW Delta 400V 3cl Elnor Moteur de 0.37kW 50Hz	900060-001 900060-008 900060-009 900068-001 903168	3 Phase Motor Single Phase Motor Single Phase Motor 3 Phase Motor Single Phase Motor
10	Pulley VR Pump Dm 61mm Pulley VR Motor 60Hz DM 82mm	Poulie Pompe GR Dm 61mm Poulie RV Moteur 60Hz DM 82mm	900293 906428	Single Phase, 60Hz
11	Motor Bracket Q500T	Motor Support Q500T	900294	
12	Durr pump MEX 0831-11/600	Pompe Durr MEX 0831-11/60...	900295	
13	ECVR Frame	Chassis ECVR	940645	



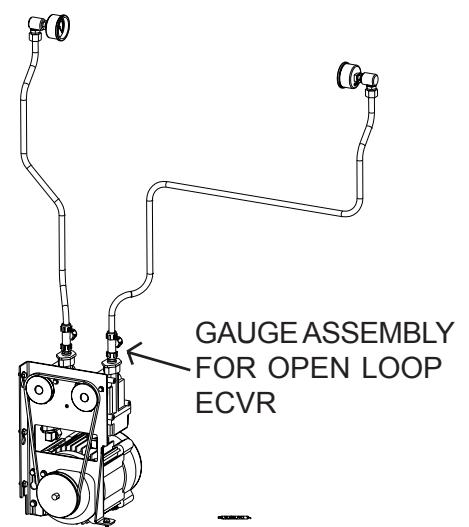
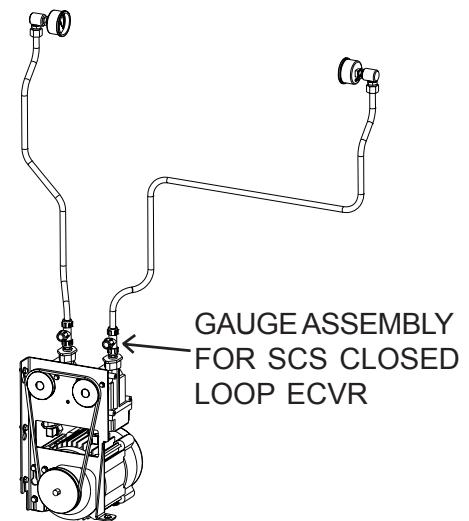
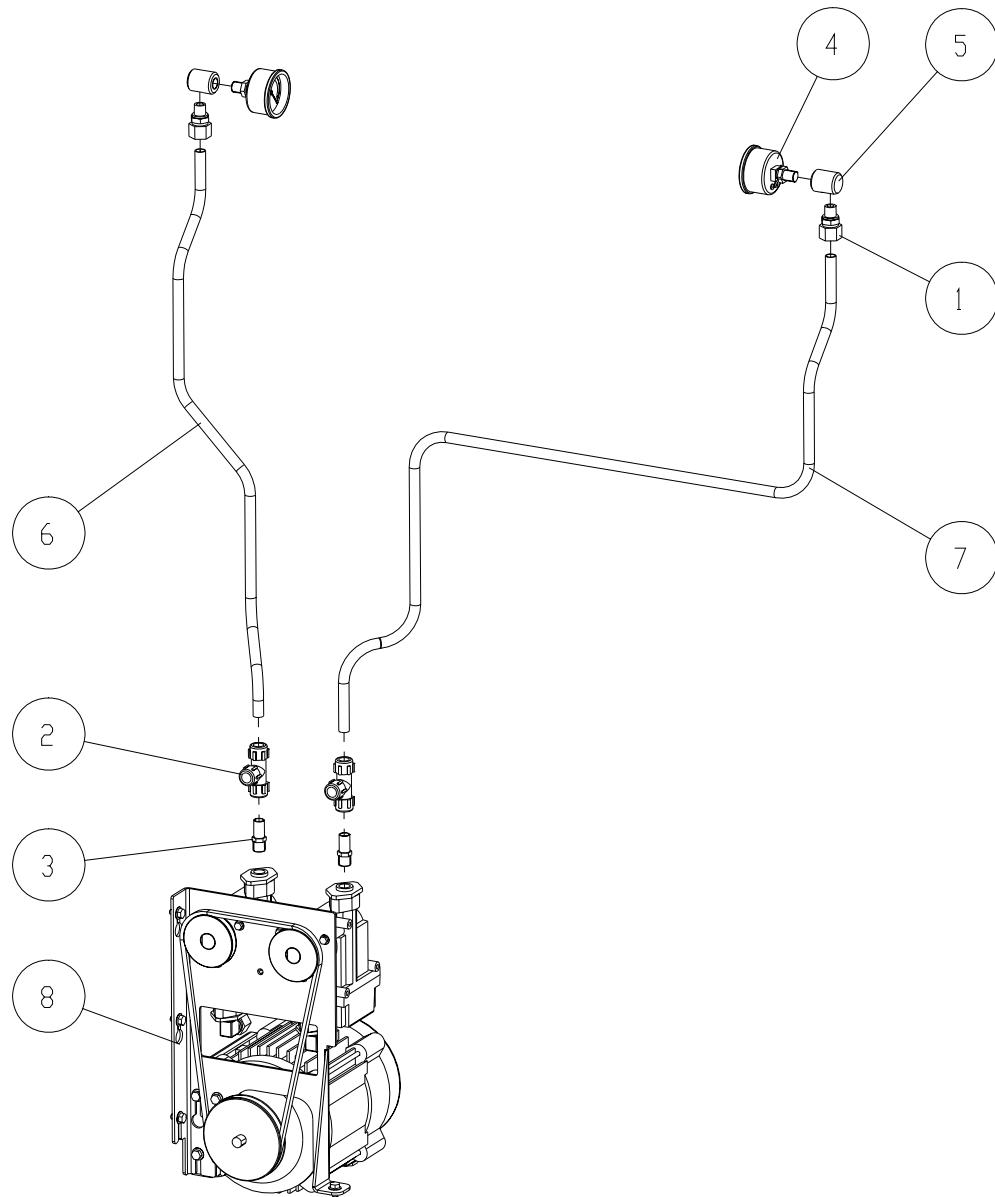
6.2 VR Open Loop Assembly

Item No	Description	Désignation Français	Part No	Comments
1	Proport Valve ECVR	Souape Proport ECVR	900029-001	
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	Straight Compr 1/4" BSP 12mm	Rac Piq Male 12 - 1/4	900032-002	
5	Elbow Compr 12 x 12mm	Rac EQ Egale D12	900033-001	
6	T Compr 12 x 12 x 12	Rac Te Egal D12	900035-001	
7	VR Filter	VR Filtre	900037	
8	Coupling - VR Hose	Raccord Flexible RV	900698	
9	Adaptor Dia12 Male - 1/4" Male	Adapt Dia12 Male - 1/4" Male	901754-001	
10	Pipe VR H1	Tube RV H1	942890	
11	Pipe VR H2	Tube RV H2	942892	
12	Pipe VR H3	Tube RV H3	942894	
13	Pipe VR H4	Tube RV H4	942895	
14	Pipe VR Right	Pipe VR Droite	945472	
15	Pipe VR Left	Pipe VR Gauche	945473	
16	Pipe VR Left	Pipe VR Gauche	945480	
17	Pipe VR Right	Pipe VR Droite	945481	
18	Pipe VR H4	Tube RV H4	946117	
19	VR Pump Assembly	Pompe VR Asm	-	Refer to VR Pump Assembly



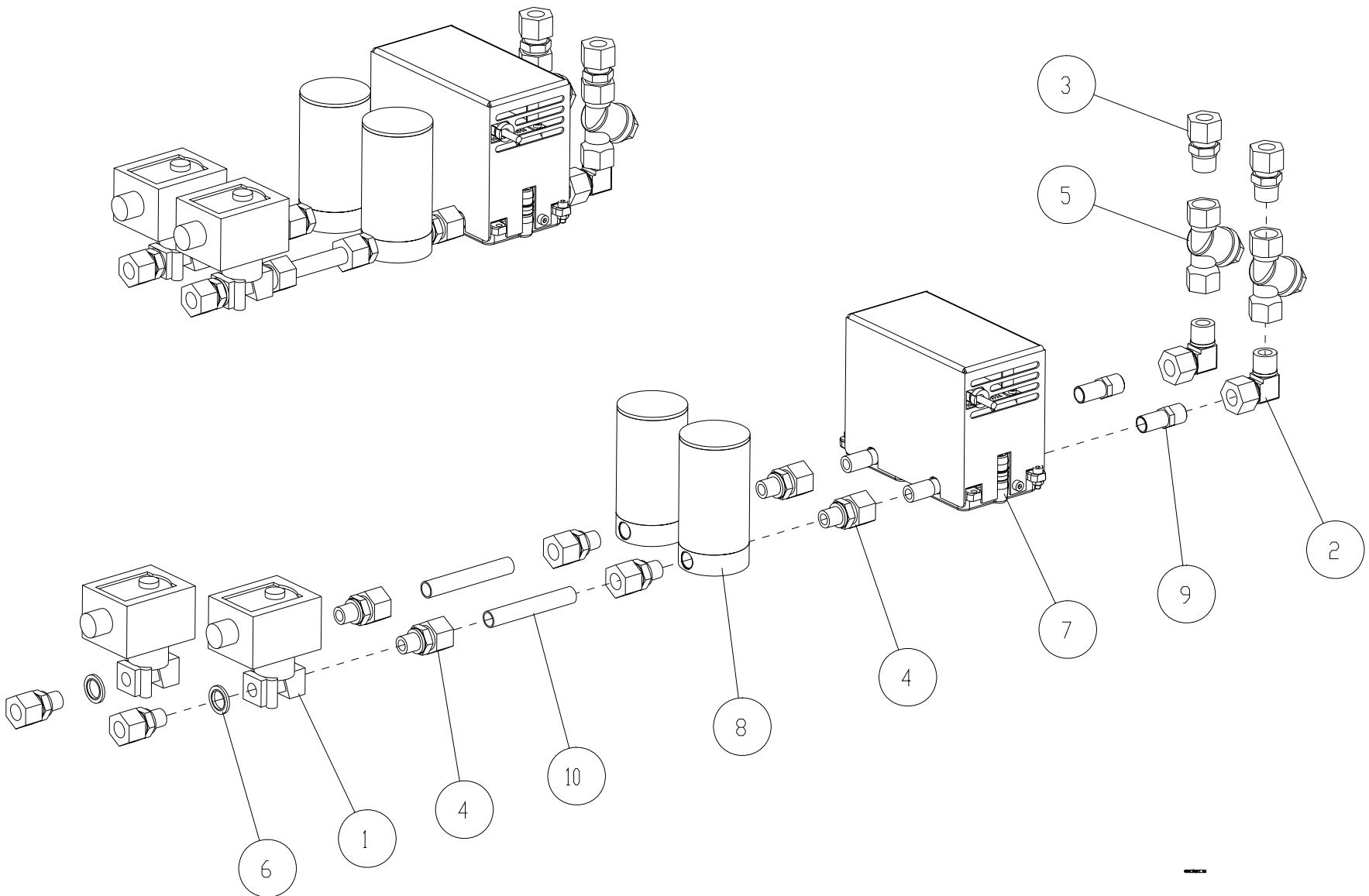
6.3 VR Self Calibration System (Closed Loop) Assembly

Item No	Description	Désignation Français	Part No	Comments
1	Straight Compr 1/4" BSP 12mm	Rac Piq Male 12 - 1/4	900032-002	
2	Elbow Compr 12 x 12 mm	Rac EQ Egale D12	900033-001	
3	T Compr 12 x 12 x 12	Rac Te Egal D12	900035-001	
4	Coupling - VR Hose	Raccord Flexible RV	900698	
5	Adaptor Dia12 Male - 1/4" Male	Adapt Dia12 Male - 1/4" Male	901754-001	
6	Pipe VR H1	Tube RV H1	942890	
7	Pipe VR H2	Tube RV H2	942892	
8	Pipe VR H3	Tube RV H3	942894	
9	Pipe VR H4	Tube RV H4	942895	
10	VR SCS Assembly - Double Sided	RV SCS Asm - Double Face	945467	
11	Pipe VR Left Pump	Tube RV Gauche Pompe	945470	
12	Pipe VR Right Pump	Tube RV Droite Pompe	945471	
13	Pipe VR Right	Tube RV Droite	945472	
14	Pipe VR Left	Tube RV Gauche	945473	
15	Pipe VR H4	Tube RV H4	946117	
16	VR Pump Assembly	Pompe RV Asm	-	Refer to VR Pump Assembly



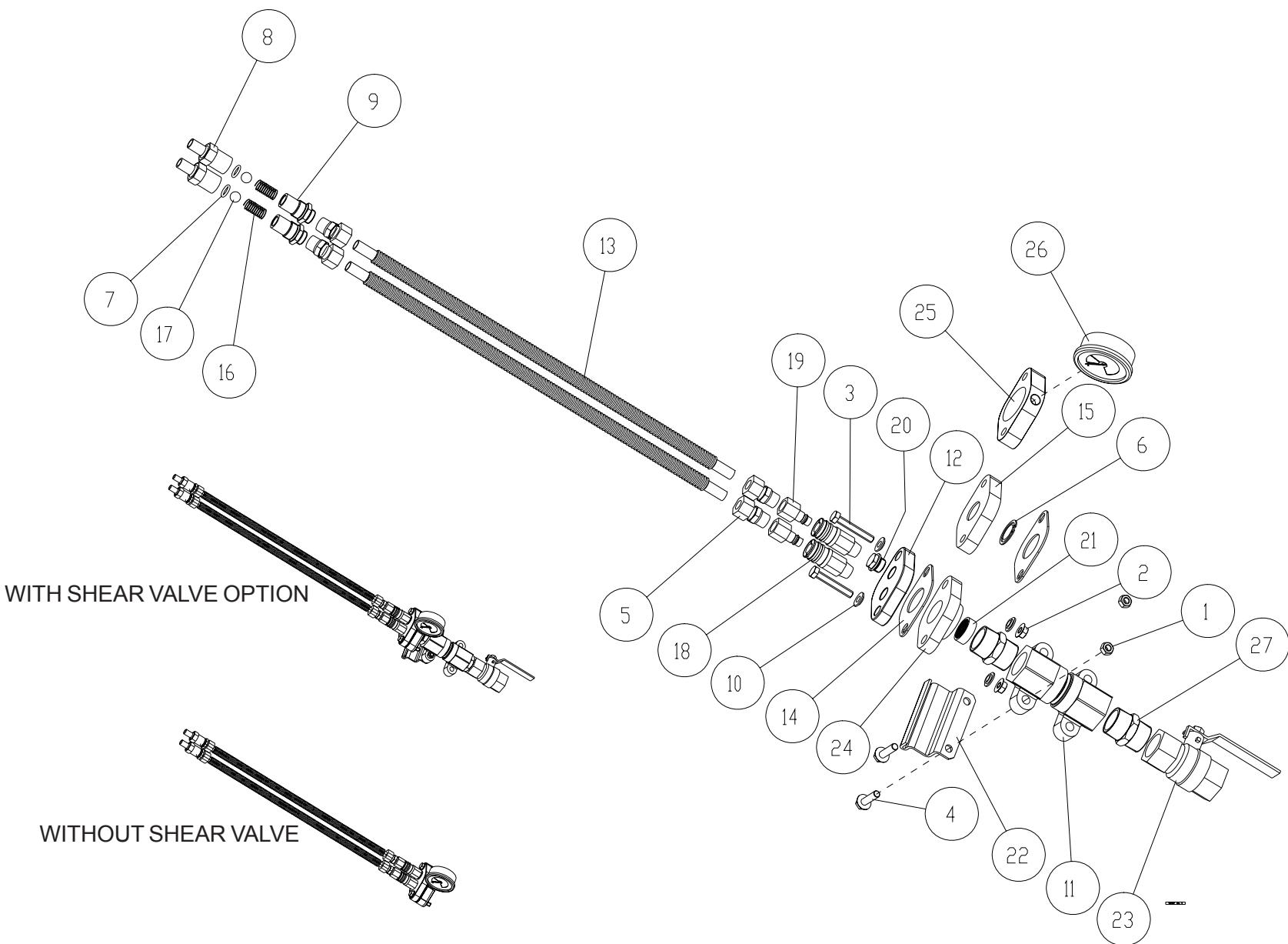
6.4 VR Vacuum Gauge Pipe Assembly

Item No	Description	Désignation Français	Part No	Comments
1	Straight Compr 1/4" BSP 12mm	Rac Piq Male 12mm - 1/4"	900032-002	
2	T Compr 12 x 12 x 12	Rac Te Egal D12	900035-001	
3	Adaptor Dia 12mm Male - 1/4" Male	Adapt Dia 12mm Male - 1/4" Male	901754-001	
4	Vacuum Gauge	Jauge sous Vide	902802	
5	Elbow Coupling FF 1/4	Coude FF 1/4	903080	
6	Pipe ECVR Left Gauge	Tube ECVR Gauche A/Jauge	942901	
7	Pipe ECVR R Gauge	Tube ECVR Droit A/Jauge	942902	
8	VR Pump Assembly	Pompe RV Asm	-	Refer to VR Pump Assembly



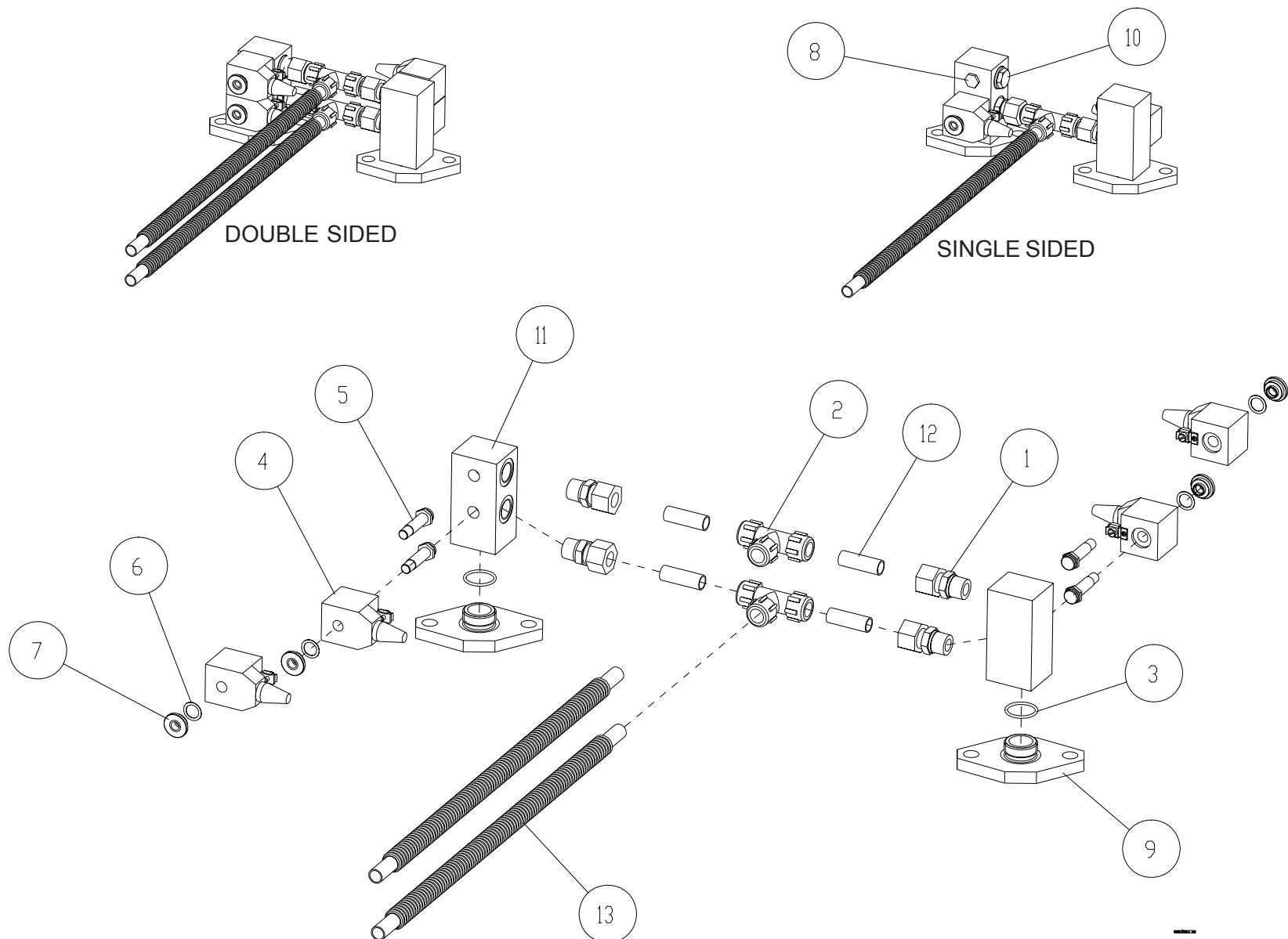
6.5 VFM Assembly

Item No	Description	Désignation Français	Part No	Comments
1	Proport Valve ECVR	Soupape Proport ECVR	900029-001	
2	Elbow Compr 3/8" BSPM 12mm	EQ-PIQ-M 12mm - 3/8	900031-002	
3	Straight Compr 3/8" BSP 12mm	Rac Piq Male 12mm - 3/8	900032-001	
4	Straight Compr 1/4" BSP 12mm	Rac Piq Male 12mm - 1/4	900032-002	
5	VR Filter	VR Filtre	900037	
6	Dowty Seal Self Centre 1/4" BSP	Dowty Joint Torique 1/4" BSP	900450-001	
7	VFM 2 Assy	VFM - 2 Assemblé	900452	
8	Damping Vessel	Damping Vessel	901053	
9	Adaptor Dia12 Male - 1/4" Male	Adapt Dia12 Male - 1/4" Male	901754-001	
10	Pipe - VR SCS Assy.	Tube - VR SCS Assy	905837	



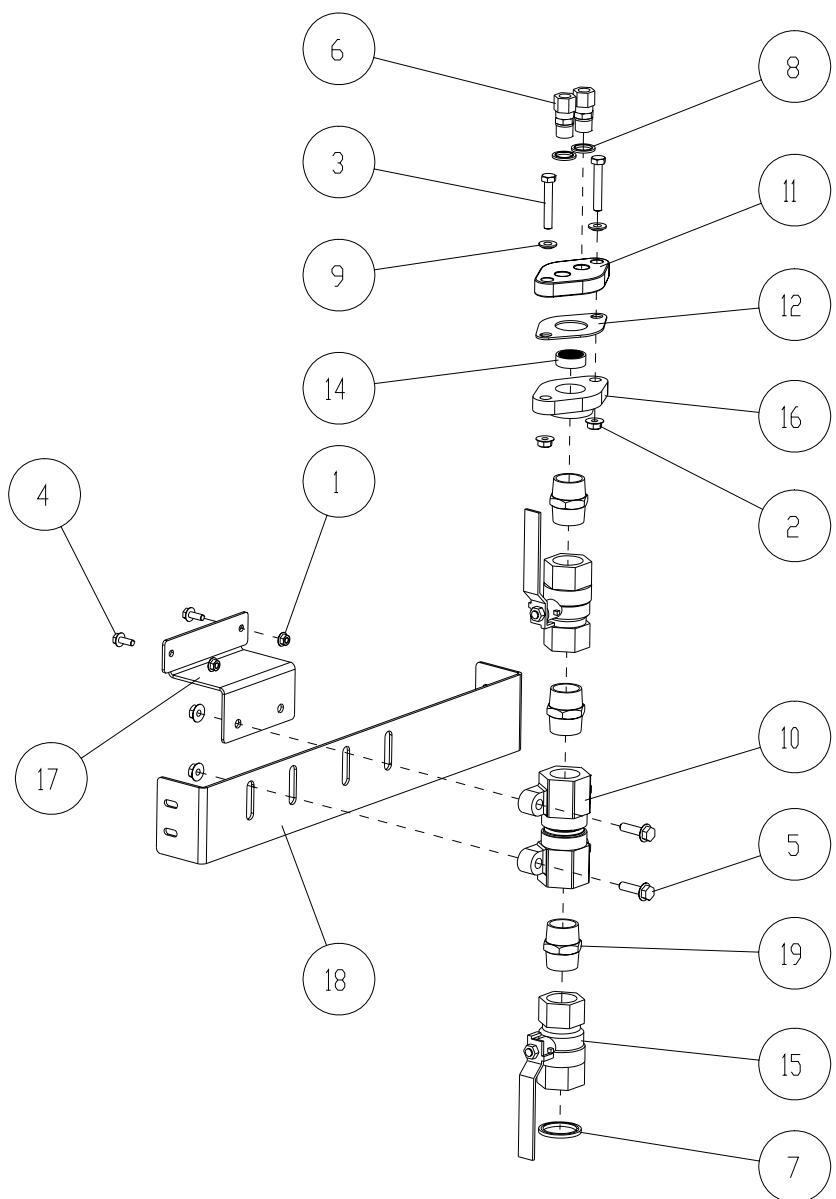
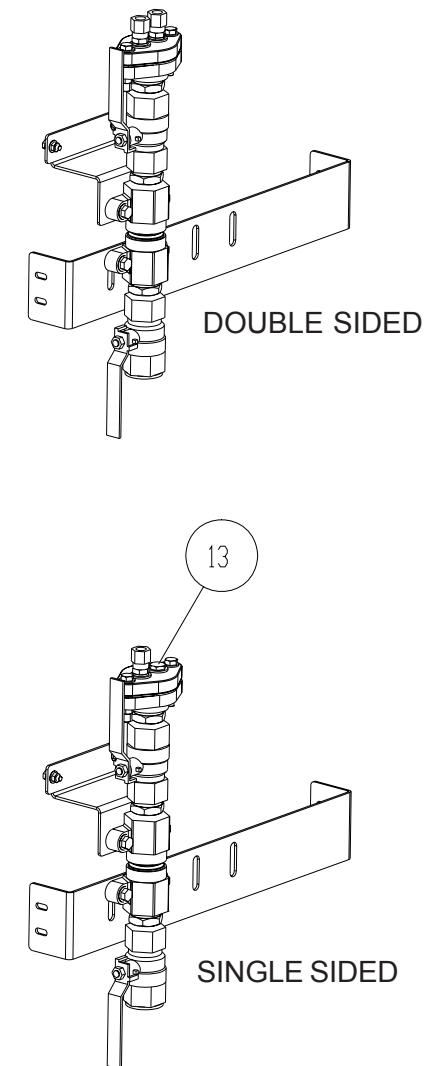
6.6 Return Line Assembly

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	
7	O-ring 11.00 x 2.50	Joint Torique 11.00 x 2.50	900050-029	
8	Non Return Valve VR - Female	Clapet Anti Retour Femelle RV	900296	
9	Non Return Valve VR - Male	Clapet Anti Retour Male RV	900297	
10	Insulation Sleeve 8.2 mm	Manchon Isolant 8.2 mm	900758-003	
11	Shear Valve (V. R.)	Raccord Cassant (R. V.)	901109	Shear valve option only
12	Flange - VR Return	Bride Retour RV	901596	
13	Flexible Outlet VR Pump Assy	Flexible Sortie Pompe RV Asm	901597	
14	Gasket - Flange 78-82	Joint de Bride 78-82	901859	
15	Flange - VR Flame Arrestor	Bride Pare-Flamme RV	901860	
16	Spring ECVR Non-return Valve	Ressort Clapet Anti-retour Valve	901923	
17	Ball (d=12)	Bille (d=12)	901924	
18	Connector - Quick Release Female	Raccord Rapide Femelle	901954	
19	Connector - Quick Release Male	Raccord Rapide Male	901955	
20	Hydraulic Plug G 3/8"	Rac Bouch G 3/8"	902001-001	Single sided option only
21	Flame Arrestor VR	Pare Flamme RV	902002	
22	Bracket Shear Valve VR (UK)	Support Shear Valve VR (UK)	902626	Shear valve option only
23	Valve	Vane	902681	Shear valve option only
24	Flange	Bride	902682	Shear valve option only
	Flange - Anodised	Bride Anodise	943157	Ethanol Compliant only
25	VR Flow Measure Flange	VR Bride de Mesure Debit	903068	VR Pressure Monitoring Point & Gauge only
	VR Flow Measure Flange - Anodised	VR Bride de Mesure Debit - Anodise	941345	Ethanol Compliant only
26	Manometer 0 - 100 mbar Loctite Glue for Manometer	Manometer 0 - 100 mbar Adhesif pour Manometer	903069 -	VR Pressure Monitoring Point & Gauge only Not shown
27	Nipple R1"-R1"	Douille R1"-R1"	944527	Shear valve option only



6.7 Return Line Per Product

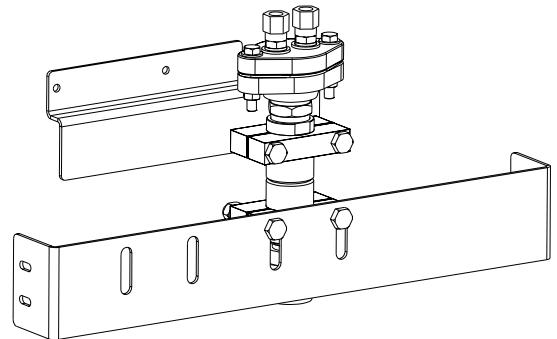
Item No	Description	Désignation Français	Part No	Comments
1	Straight Compr 3/8" BSP 12mm	Rac Piq Male 12mm - 3/8	900032-001	
2	T Compr 12 x 12 x 12	Rac Te Egal D12	900035-001	
3	O-ring 22.00 x 2.00	Joint Torique 22.00 x 2.00	900050-030	
4	Coil 24V EEx m II T4 Fuse	Bobine 24V EEx m II T4 Fuse	900082	
5	Plungerhouse + Plunger	Plongeur Complete	900723	
6	Spring for Plunger	Ressort de Plongeur	900724	
7	Nut for Plunger	Ecrou par Plongeur	900725	
8	Stop + Seal Inline Valve	Bouchon Soupape	900726	Single sided only
9	Flange - VR per Product	Bride Retour par Prod RV	901455	
10	Plug Hyd G 3/8"	Rac Bouch G 3/8"	902001-001	Single sided only
11	Danfoss Valve 2 in 1 out	Danfoss Soupape 2 dans 1 Hors de	903055	
12	Pipe - VR Return per Product	Tube Retour par Produit RV	903114	
13	Flexible Outlet VR Pump Asm	Flexible Sortie Pomperv Asm	903125	



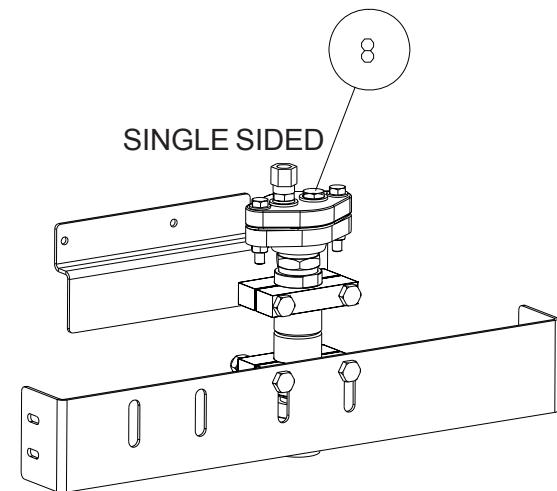
6.8 VR Return Shear Valve Option (UK only)

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 HH M8x50	Vis H M8x50	900015-005	
4	Screw HFHSL M6x16	Vis Hex Br Autobl M6x16	900016-004	
5	Screw HFHSL M8x30	Vis Hex Br Autobl M8x30	900016-008	
6	Straight Compr 3/8" BSP 12mm	Rac Piq Male 12 - 3/8	900032-003	
7	Dowty Seal Self Centre 1" BSP	Dowty Joint Torique 1" BSP	900450-004	
8	Dowty Seal Self Centre 3/8" BSP	Dowty Joint Torique 3/8" BSP	900450-005	
9	Insulation Sleeve 8.2 mm	Manchon Isolant 8.2 mm	900758-003	
10	Shear Valve (V. R.)	Raccord Cassant (R. V.)	901109	
11	Flange - VR Return	Bride Retour RV	901596	
12	Gasket - Flange 78-82	Joint de Bride 78-82	901859	
13	Hydraulic Plug G 3/8"	Rac Bouch G 3/8"	902001-001	Single sided option only
14	Flame Arrestor VR	Pare Flamme RV	902002	
15	Valve	Vane	902681	
16	Flange	Bride	902682	
17	Bracket Shear Valve VR (UK)	Support Shear Valve VR (UK)	908834	
18	Brkt Shear Valve VR Lower (UK)	Support Rac. Cass. RV Bas UK	908835	
19	Nipple R1"-R1"	Douille R1"-R1"	944527	

DOUBLE SIDED



SINGLE SIDED



6.9 VR Risbridger Shear Valve Option

Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M8	Ecrou Bride Autobloquant M8	900013-004	
2	Screw HH M8x50	Vis H M8x50	900015-005	
3	Straight Compr 3/8" BSP 12mm	Rac Piq Male 12 - 3/8	900032-003	
4	Dowty Seal Self Centre 3/8" BSP	Dowty Joint Torique 3/8" BSP	900450-005	
5	Insulation Sleeve 8.2 mm	Manchon Isolant 8.2 mm	900758-003	
6	Flange - VR Return	Bride Retour RV	901596	
7	Gasket - Flange 78-82	Joint de Bride 78-82	901859	
8	Hydraulic Plug G 3/8"	Rac Bouch G 3/8"	902001-001	
9	Flame Arrestor VR	Pare Flamme RV	902002	
10	Flange	Bride	902682	
11	Assy Shear Valve Risbridger	Ens. Raccord Cassant Risbridger	906069	
12	Brkt Shear Valve VR Lower	Support Rac. Cass. RV Bas UK	908835	
13	Brkt Shear Valve VR Risbridger	Sup. Rac. Cass. RV Risbridger	908839	
14	Nipple R1"-R1"	Douille R1"-R1"	944527	

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As Tokheim regularly improves its products to ever better respond to evolving market and regulatory requirements, it reserves the right to change any of the specifications of these products, and this without prior notice.

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