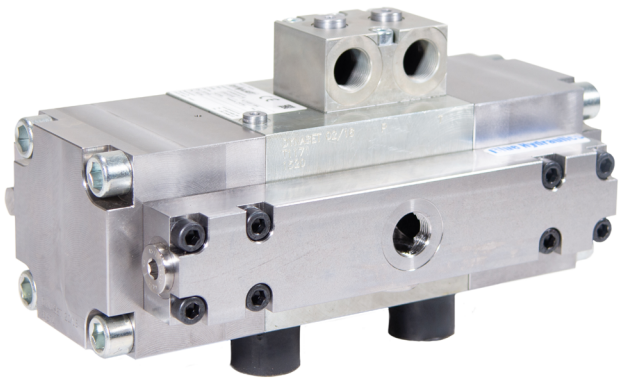
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# SPARE PARTS

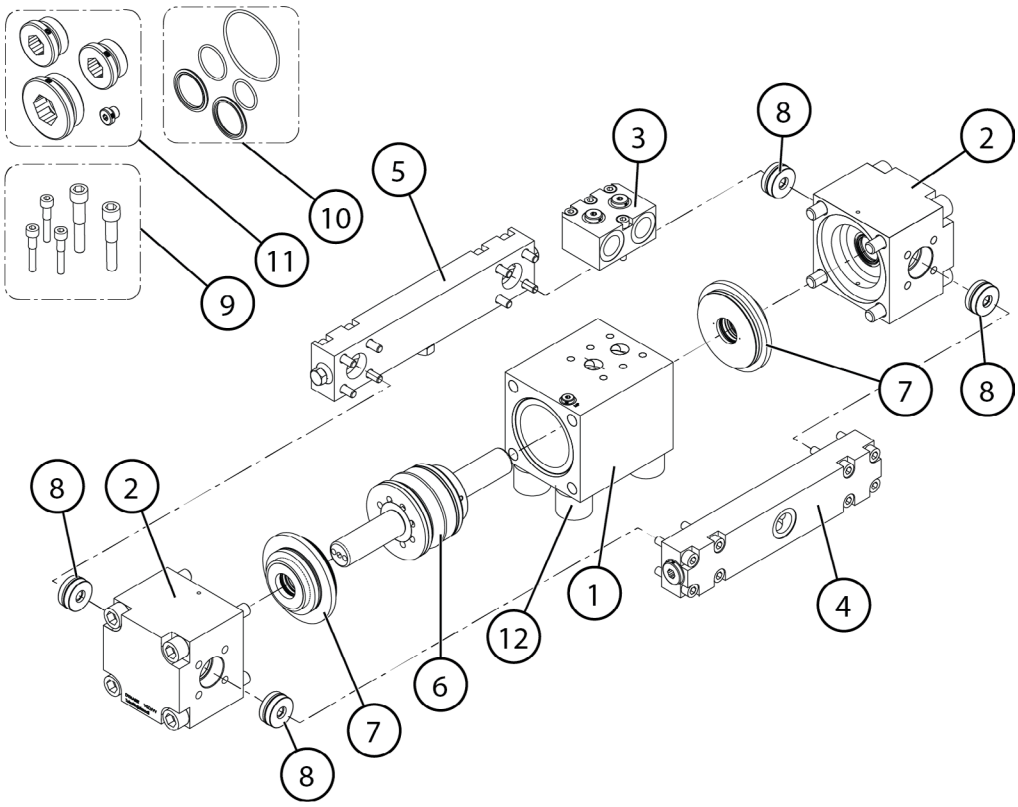
## HIGH PRESSURE WATER PUMPS

HPW 800 /30-140

rev 1.0

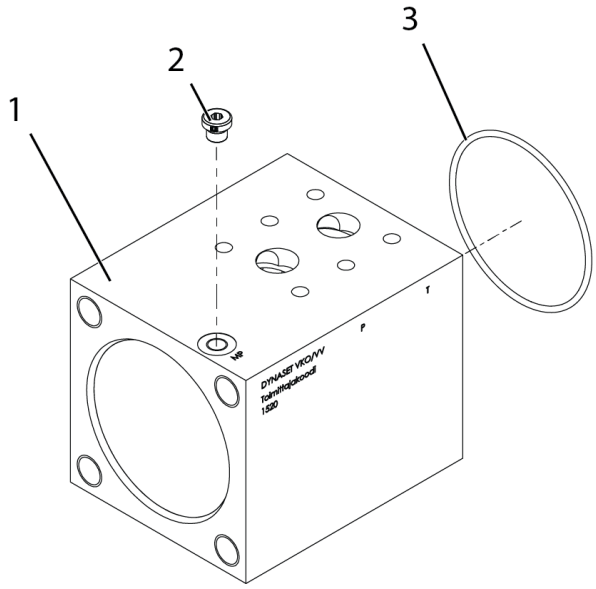
MAIN COMPONENTS 3
1. CENTER BODY 4
2. HEAD 5
3. PT BLOCK 6
4. SUCTION MANIFOLD 8
5. DISCHARGE MANIFOLD 9
6. PISTON 10
7. SEAL FLANGE 11
8. WATER VALVE 12
9. SCREW KIT 13
10. SEAL KIT 14
11. PLUG KIT 16

# MAIN COMPONENTS




| POS | PART NUMBER | QTY | DESCRIPTION | DETAILS | DETAILS 2 |
|---|---|---|---|---|---|
| 1 | | 1 | CENTER BODY | | See separate part list |
| 2 | | 2 | HEAD | | See separate part list |
| 3 | | 1 | PT-BLOCK | | See separate part list |
| 4 | | 1 | SUCTION MANIFOLD | | See separate part list |
| 5 | | 1 | PRESSURE MANIFOLD | | See separate part list |
| 6 | | 1 | PISTON KIT | | See separate part list |
| 7 | | 2 | SEAL FLANGE KIT | | See separate part list |
| 8 | | 2 | WATER VALVE KIT | | See separate part list |
| 9 | | | SCREW KIT | | See separate part list |
| 10 | | | SEAL KIT | | See separate part list |
| 11 | | | PLUG KIT | | See separate part list |
| 12 | V100 100 001 | 1 | RUBBER CUSHION KIT | D40 / H30 - M8 | Includes 4 cushions |

# 1. CENTER BODY



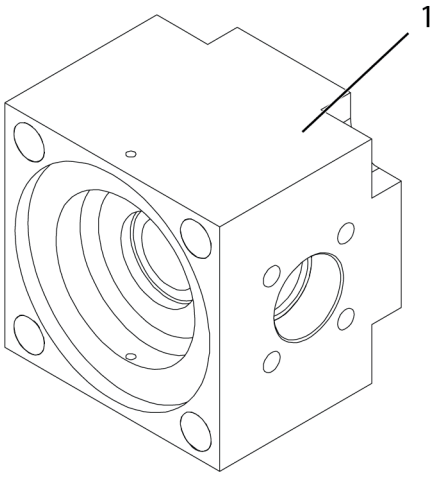

| POS | PART NUMBER | QTY | DESCRIPTION | DETAILS | DETAILS 2 |
|---|---|---|---|---|---|
| 1 | V100 101 511 | 1 | CENTER BODY | D85 | Includes pos. 2-3 |
| 2 | * | 1 | HEXAGON SOCKET CAP PLUG | R1/8 | |
| 3 | * | 1 | O-RING | 87 x 3 | |

| POS | PART NUMBER | QTY | DESCRIPTION | DETAILS | DETAILS 2 |
|---|---|---|---|---|---|
| 1 | V100 101 530 | 1 | CENTER BODY AIS | D63, Stainless steel | Includes pos. 2-3 |
| 2 | * | 1 | HEXAGON SOCKET CAP PLUG | R1/8 | Stainless steel |
| 3 | * | 1 | O-RING | 87 x 3 | |

* Not sold separately. Available only in kit or assembly described above or presented in separate part list. Read Details 2

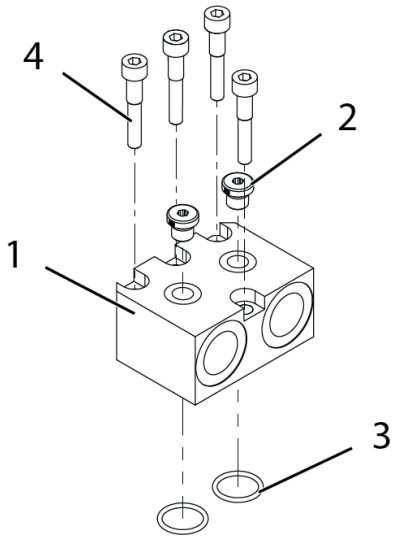
O-rings are also available in Seal kit, see page 14.
Plugs are also available in Plug kit, see page 16.

## 2. HEAD




| POS | PART NUMBER | QTY | DESCRIPTION | DETAILS | DETAILS 2 |
|---|---|---|---|---|---|
| 1 | V100 102 510 | 1 | HEAD | | |

# 3. PT BLOCK

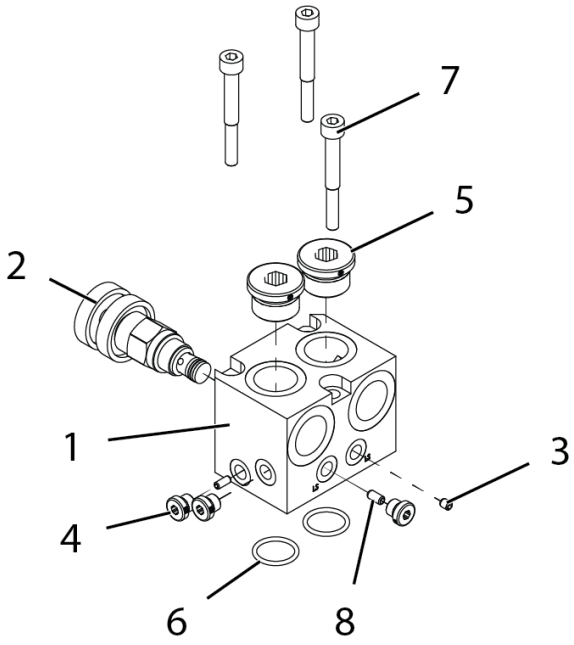



| POS | PART NUMBER | QTY | DESCRIPTION | DETAILS | DETAILS 2 |
|---|---|---|---|---|---|
| | **V100 100 710** | | **PT BLOCK KIT** | **Standard** | **Includes pos.1-4** |
| 1 | * | 1 | PT BLOCK | R3/4 | |
| 2 | * | 2 | HEXAGON SOCKET CAP PLUG | R1/4 | |
| 3 | * | 2 | O-RING | 21,3 x 2,4 | |
| 4 | * | 4 | HEXAGON SOCKET CAP SCREW | M8 x 45 | |

| POS | PART NUMBER | QTY | DESCRIPTION | DETAILS | DETAILS 2 |
|---|---|---|---|---|---|
| | **V100 100 720** | | **PT BLOCK KIT M** | | **Includes pos.1-4** |
| 1 | * | 1 | PT BLOCK | R3/4 | Stainless steel |
| 2 | * | 2 | HEXAGON SOCKET CAP PLUG | R1/4 | Stainless steel |
| 3 | * | 2 | O-RING | 21,3 x 2,4 | |
| 4 | * | 4 | HEXAGON SOCKET CAP SCREW | M8 x 45 | Stainless steel |

* Not sold separately. Available only in kit or assembly described above or presented in separate part list. Read Details 2

Screws are also available in Screw kit, see page 13.
O-rings are also available in Seal kit, see page 14.
Plugs are also available in Plug kit, see page 16.

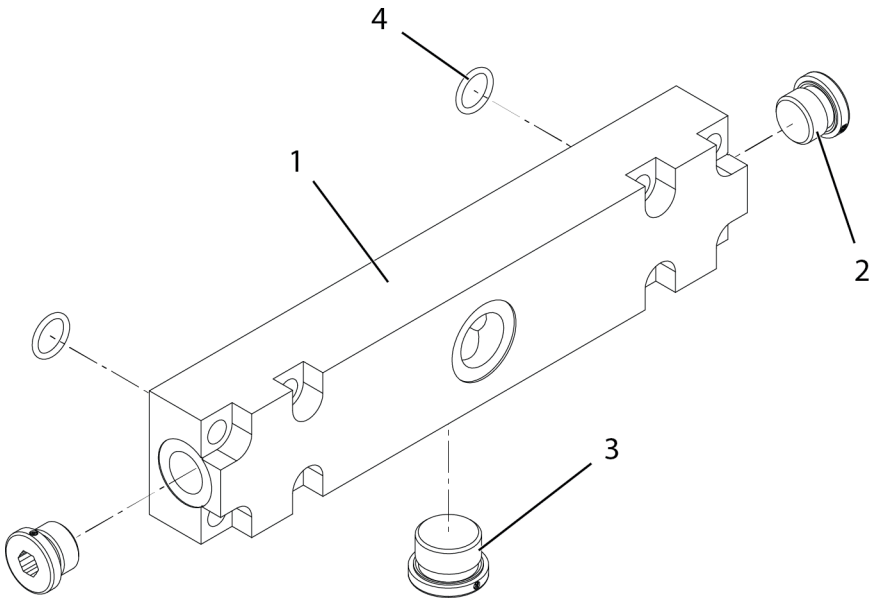



| POS | PART NUMBER | QTY | DESCRIPTION | DETAILS | DETAILS 2 |
|---|---|---|---|---|---|
| | **V100 100 730** | | **PT BLOCK KIT LS** | | **Includes pos.1-8** |
| 1 | * | 1 | PT BLOCK | R3/4 - Load Sensing | Steel |
| 2 | * | 1 | PRESSURE RELIEF VALVE CARTRIDGE | 35-350 bar | |
| 3 | * | 1 | ORIFICE | M6 | |
| 4 | * | 3 | HEXAGON SOCKET CAP PLUG | R1/8 | |
| 5 | * | 2 | HEXAGON SOCKET CAP PLUG | R3/4 | |
| 6 | * | 2 | O-RING | 21,3 x 2,4 | |
| 7 | * | 3 | HEXAGON SOCKET CAP SCREW | M8 x 65 | |
| 8 | * | 1 | SET SCREW | M4 x 8 | |

* Not sold separately. Available only in kit or assembly described above or presented in separate part list. Read Details 2

Screws are also available in Screw kit, see page 13.
O-rings are also available in Seal kit, see page 14.
Plugs are also available in Plug kit, see page 16.

# 4. SUCTION MANIFOLD

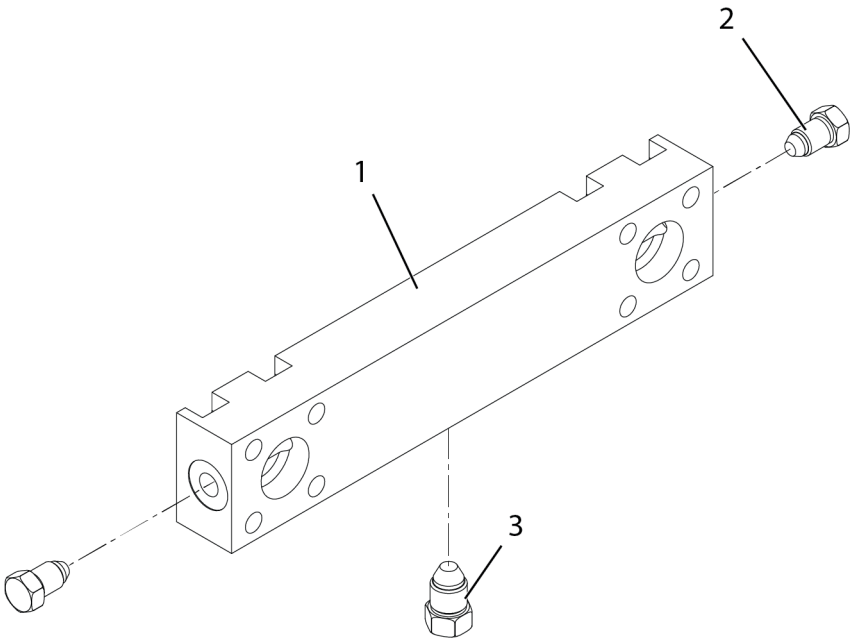



| POS | PART NUMBER | QTY | DESCRIPTION | DETAILS | DETAILS 2 |
|---|---|---|---|---|---|
| | **V100 102 500** | | **SUCTION MANIFOLD** | | **Includes pos. 1-4** |
| 1 | * | 1 | SUCTION MANIFOLD | R3/4 | |
| 2 | * | 2 | HEXAGON SOCKET CAP PLUG | R1/2 | |
| 3 | * | 1 | HEXAGON SOCKET CAP PLUG | R3/4 | |
| 4 | * | 2 | O-RING | 15,3 x 2,4 | |

* Not sold separately. Available only in kit or assembly described above or presented in separate part list. Read Details 2

O-rings are also available in Seal kit, see page 14.
Plugs are also available in Plug kit, see page 16.

# 5. DISCHARGE MANIFOLD

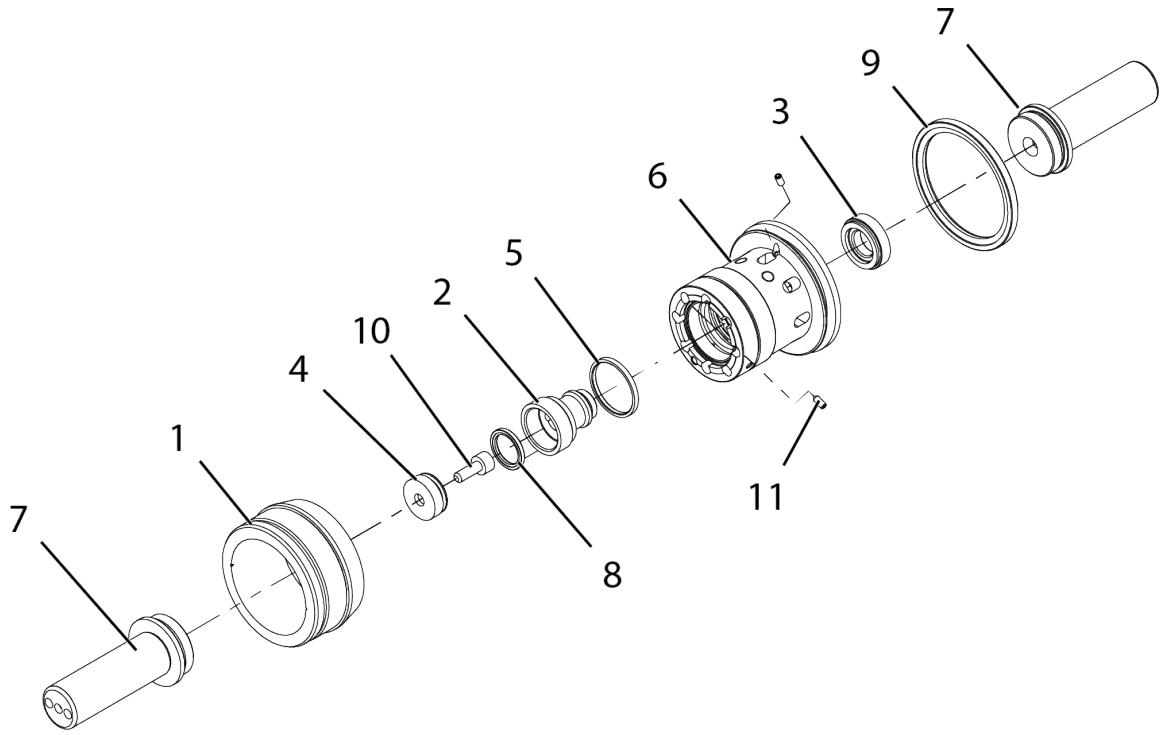



| POS | PART NUMBER | QTY | DESCRIPTION | DETAILS | DETAILS 2 |
|---|---|---|---|---|---|
| | **V100 102 490** | | **DISCHARGE MANIFOLD** | | **Includes pos. 1-3** |
| 1 | * | 1 | DISCHARGE MANIFOLD | R3/8 | |
| 2 | * | 2 | PLUG | R1/4 taper head | |
| 3 | * | 1 | PLUG | R3/8 taper head | |

* Not sold separately. Available only in kit or assembly described above or presented in separate part list. Read Details 2

Plugs are also available in Plug kit, see page 16.

# 6. PISTON

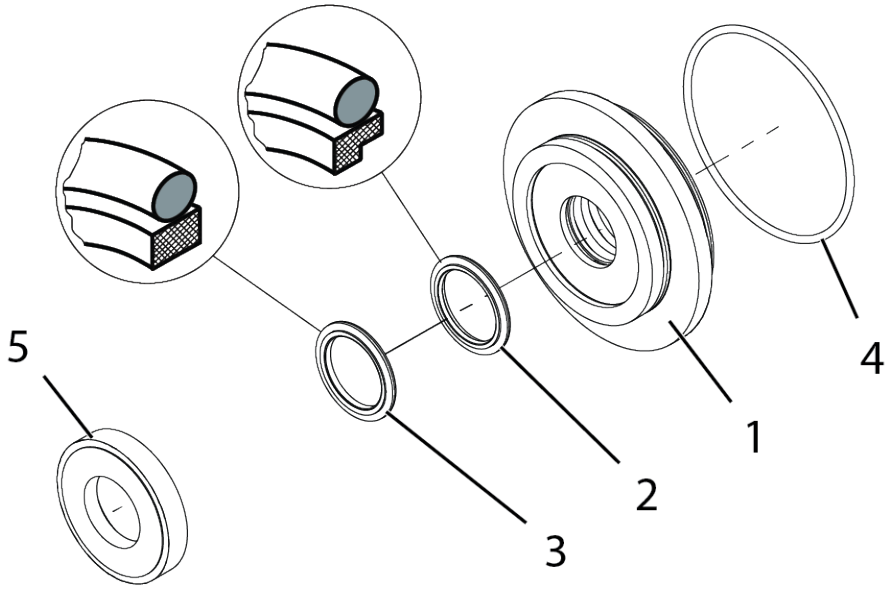



| POS | PART NUMBER | QTY | DESCRIPTION | DETAILS | DETAILS 2 |
|---|---|---|---|---|---|
| | **V100 102 525** | | **PISTON KIT** | **Piston kit includes 2 Secondary pistons** | **Includes pos. 1-11** |
| 1 | * | 1 | PISTON LINER | D67,1 | |
| 2 | * | 1 | VALVE SPOOL | D36 - 41,5 | |
| 3 | * | 1 | VALVE SEAT | D35,5 | |
| 4 | * | 1 | REVERSAL VALVE GUIDE | D28,5 | |
| 5 | * | 1 | ROD SEAL | 36/14-3-2T | |
| 6 | * | 1 | HYDRAULIC PISTON | D90 | |
| 7 | V100 102 540 | 1 | SECONDARY PISTON | D30 | |
| 8 | * | 1 | PISTON SEAL | M28,5 | |
| 9 | * | 1 | PISTON SEAL | M90 | |
| 10 | * | 1 | HEXAGON SOCKET CAP SCREW | M8 x 20 | |
| 11 | * | 2 | SET SCREW | M5 x10 | |
| | **V100 102 520** | | **HYDRAULIC PISTON KIT** | **Secondary pistons excluded** | **Includes pos. 1-3, 5, 6, 9, 11** |
| | **V100 102 529** | | **REVERSAL VALVE GUIDE KIT** | | **Includes pos. 4, 8, 10** |
| | **V100 101 130** | | **SEAL KIT** | **Hydaulic piston** | **Includes pos. 5, 8, 9** |

* Not sold separately. Available only in kit or assembly described above or presented in separate part list. Read Details 2

O-rings and seals are also available in Seal kit, see page 14.
Plugs are also available in Plug kit, see page 16.

# 7. SEAL FLANGE



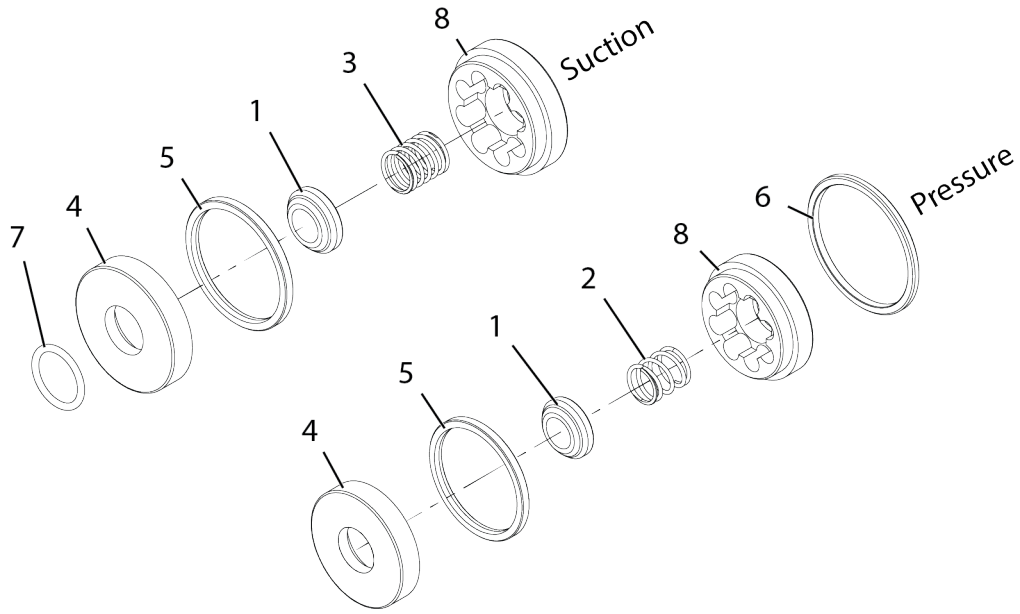

| POS | PART NUMBER | QTY | DESCRIPTION | DETAILS | DETAILS 2 |
|---|---|---|---|---|---|
| | **V100 102 460** | | **SEAL FLANGE ASSEMBLY** | **Seals included** | **Includes pos. 1-4** |
| 1 | * | 1 | SEAL FLANGE | D105 / d30 - L26 | |
| 2 | * | 1 | ROD SEAL | 1T | |
| 3 | * | 1 | ROD SEAL | 2T | |
| 4 | * | 1 | O-RING | 84,5 x 3 | |

| POS | PART NUMBER | QTY | DESCRIPTION | DETAILS | DETAILS 2 |
|---|---|---|---|---|---|
| | **V100 102 450** | | **WATER SEAL FLANGE KIT** | **Seals excluded** | **Includes pos. 1, 5** |
| 1 | * | 1 | SEAL FLANGE | D105 / d30 - L26 | |
| 5 | V100 102 465 | 1 | WATER SEAL FLANGE | D60 / d30 - L11 | |

* Not sold separately. Available only in kit or assembly described above or presented in separate part list. Read Details 2

O-rings and seals are also available in Seal kit, see page 14.
Seals for Water Seal Flange Kit are sold in Seal Kit, see page 14.

# 8. WATER VALVE




**NOTE! The pressure valve's spring (2) has less turns than the suction valve's (3) spring.**

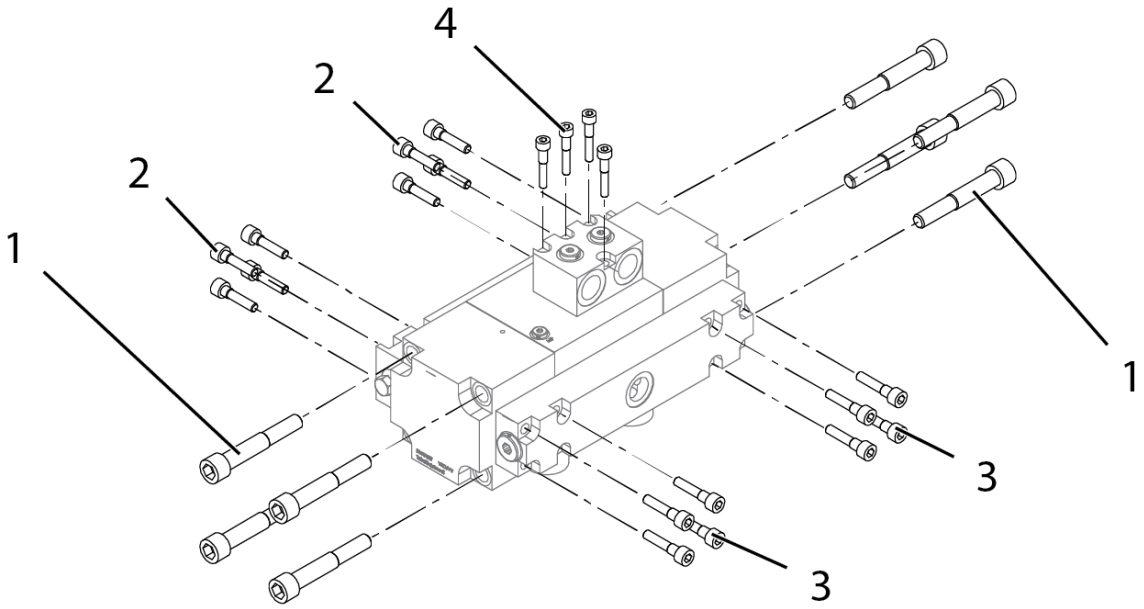
| POS | PART NUMBER | QTY | DESCRIPTION | DETAILS | DETAILS 2 |
|---|---|---|---|---|---|
| | **V100102515** | | **WATER VALVE KIT** | **Without Cabs** | **Includes pos. 1-7** |
| 1 | * | 4 | WATER VALVE DISK | D20-6 | |
| 2 | * | 2 | SPRING | Pressure | |
| 3 | * | 2 | SPRING | Suction | |
| 4 | * | 4 | WATER VALVE SEAT | D36/d14 | |
| 5 | * | 4 | SEAL | D37 / d32 | |
| 6 | * | 2 | SEAL | D42,5 / d37,5 | |
| 7 | * | 2 | O-RING | 15,3 x 2,4 | |

| POS | PART NUMBER | QTY | DESCRIPTION | DETAILS | DETAILS 2 |
|---|---|---|---|---|---|
| | **V100102516** | | **WATER VALVE KIT** | **With Cabs** | **Includes pos. 1-8** |
| 1 | * | 4 | WATER VALVE DISK | D20-6 | |
| 2 | * | 2 | SPRING | Pressure | |
| 3 | * | 2 | SPRING | Suction | |
| 4 | * | 4 | WATER VALVE SEAT | D36/d14 | |
| 5 | * | 4 | SEAL | D37 / d32 | |
| 6 | * | 2 | SEAL | D42,5 / d37,5 | |
| 7 | * | 2 | O-RING | 15,3 x 2,4 | |
| 8 | * | 4 | WATER VALVE CAB | D36-15,5 | |

* Not sold separately. Available only in kit or assembly described above or presented in separate part list. Read Details 2

O-rings and Seals are also available in Seal kit, see page 14.

# 9. SCREW KIT



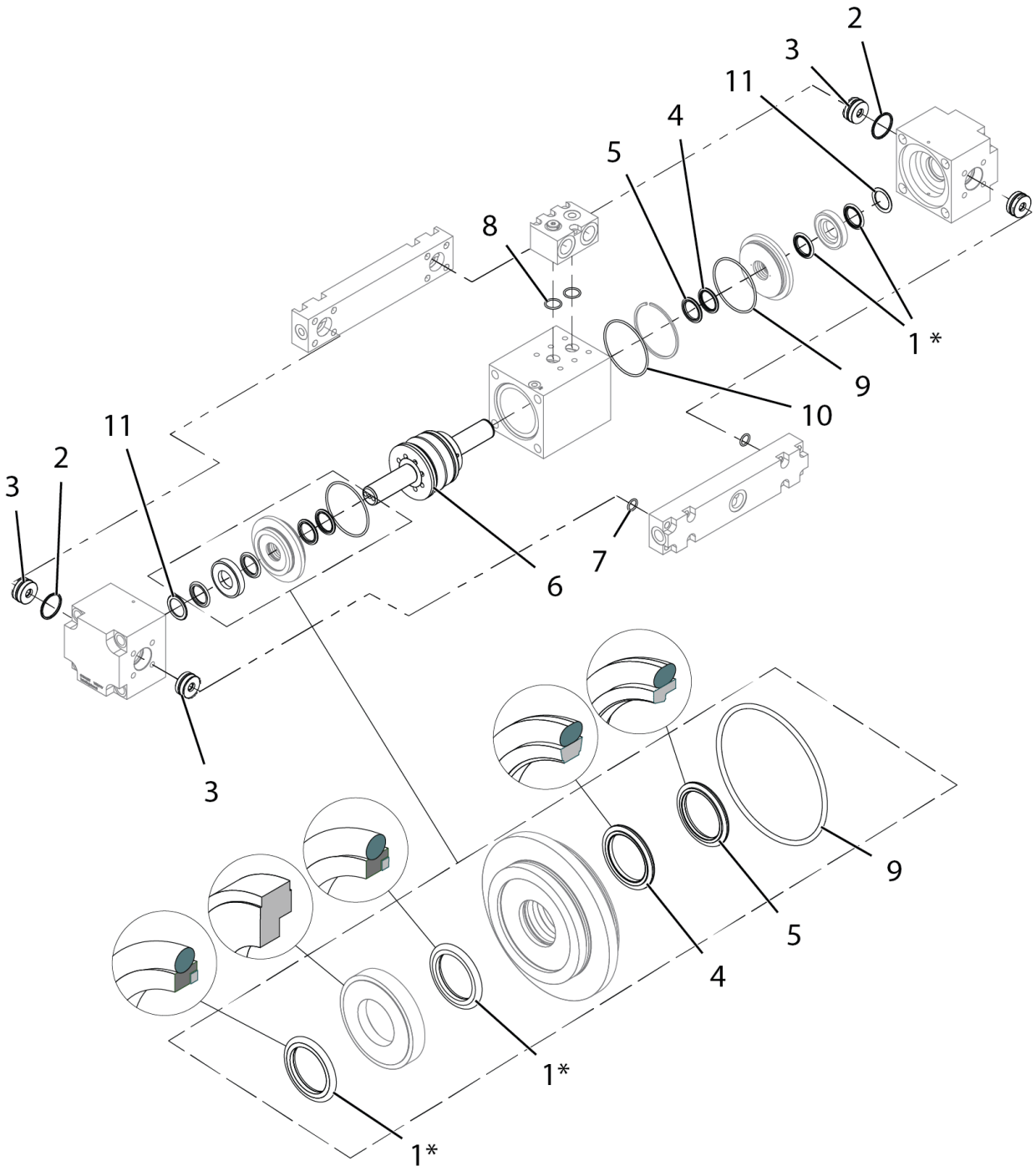

| POS | PART NUMBER | QTY | DESCRIPTION | DETAILS | DETAILS 2 |
|---|---|---|---|---|---|
| | **V100102530** | | **SCREW KIT** | | **Includes pos. 1-4** |
| 1 | * | 8 | HEXAGON SOCKET CAP SCREW | M16x100 | |
| 2 | * | 8 | HEXAGON SOCKET CAP SCREW | M10x40 | Pressure manifold |
| 3 | * | 8 | HEXAGON SOCKET CAP SCREW | M10x45 | Suction manifold |
| 4 | * | 4 | HEXAGON SOCKET CAP SCREW | M8 x 45 | |

| POS | PART NUMBER | QTY | DESCRIPTION | DETAILS | DETAILS 2 |
|---|---|---|---|---|---|
| | **V100102532** | | **SCREW KIT M** | **Stainless steel / coated** | **Includes pos. 1-4** |
| 1 | * | 8 | HEXAGON SOCKET CAP SCREW | M16x100 | |
| 2 | * | 8 | HEXAGON SOCKET CAP SCREW | M10x40 | Pressure manifold |
| 3 | * | 8 | HEXAGON SOCKET CAP SCREW | M10x45 | Suction manifold |
| 4 | * | 4 | HEXAGON SOCKET CAP SCREW | M8 x 45 | |

* Not sold separately. Available only in kit or assembly described above or presented in separate part list.
Read Details 2

**NOTE! Tightening torques can be found in user manual.**

# 10. SEAL KIT



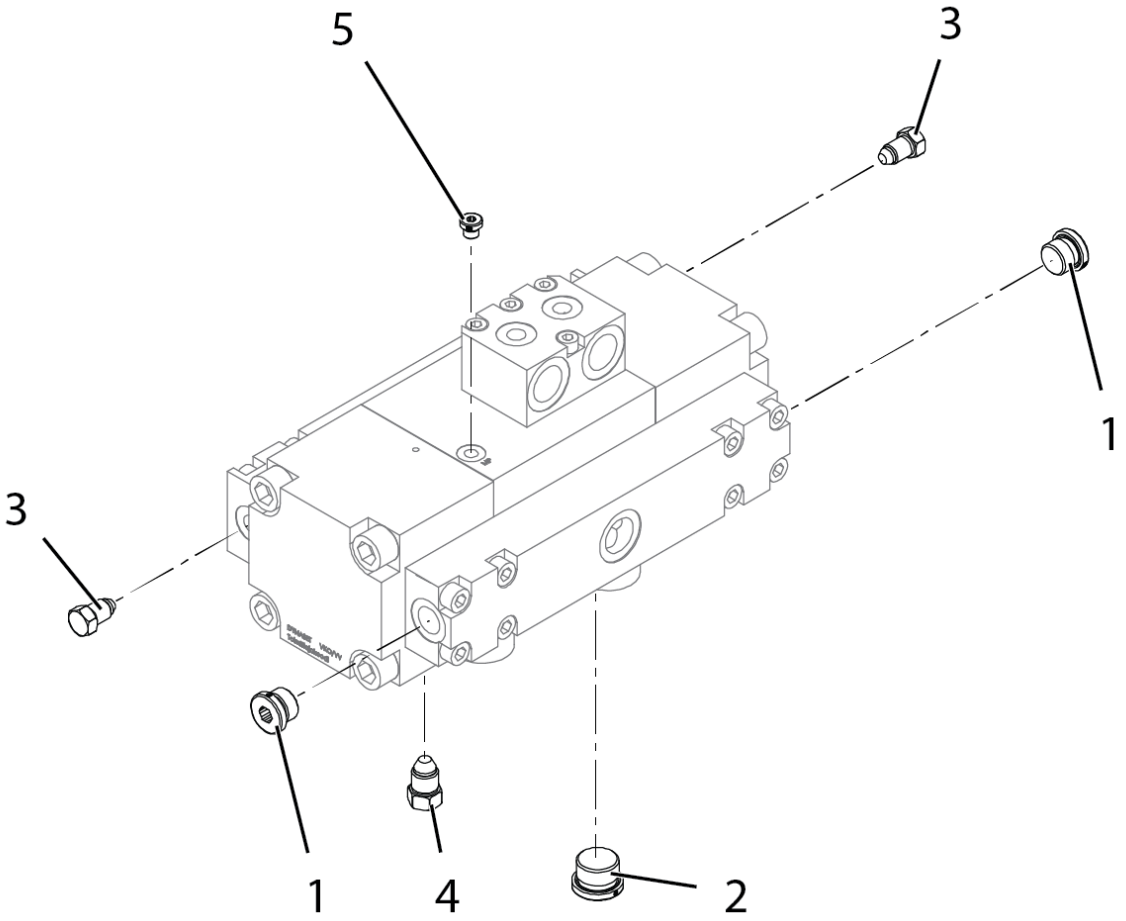
| POS | PART NUMBER | QTY | DESCRIPTION | DETAILS | DETAILS 2 |
|---|---|---|---|---|---|
| | **V100102435** | | **SEAL KIT** | | **Includes pos. 1-11** |
| 1 | * | 4 | ROD SEAL | 30/35,5-4-1T | Includes O-ring and Support ring |
| 2 | * | 2 | SEAL | D42,5 / d37,5 | |
| 3 | * | 4 | SEAL | D37 / d32 | |
| 4 | * | 2 | ROD SEAL | 30/41-4-1T | Includes O-ring |
| 5 | * | 2 | ROD SEAL | 30/41-4-2T | Includes O-ring |
| 6 | * | 1 | PISTON SEAL ASSEMBLY | M90 | |
| 7 | * | 2 | O-RING | 15,3 x 2,4 | |
| 8 | * | 2 | O-RING | 21,3 x 2,4 | |
| 9 | * | 2 | O-RING | 84,5 x 3 | |
| 10 | * | 1 | O-RING | 87 x 3 | |
| 11 | * | 2 | SUPPORT FLANGE | 41/30-1,8 | |

| POS | PART NUMBER | QTY | DESCRIPTION | DETAILS | DETAILS 2 |
|---|---|---|---|---|---|
| | **V100102440** | | **SEAL KIT HOT** | | **Includes pos. 1-11** |
| 1 | * | 4 | ROD SEAL | 30/41-4-2T | Includes O-ring |
| 2 | * | 4 | SEAL | D37 / d32 | |
| 3 | * | 2 | SEAL | D42,5 / d37,5 | |
| 4 | * | 2 | ROD SEAL | 30/41-4-1T | Includes O-ring |
| 5 | * | 2 | ROD SEAL | 30/41-4-2T | Includes O-ring |
| 6 | * | 1 | PISTON SEAL ASSEMBLY | M90 | |
| 7 | * | 2 | O-RING | 15,3 x 2,4 | |
| 8 | * | 2 | O-RING | 21,3 x 2,4 | |
| 9 | * | 2 | O-RING | 84,5 x 3 | |
| 10 | * | 1 | O-RING | 87 x 3 | |
| 11 | * | 2 | SUPPORT FLANGE | 41/30-1,8 | |

* Not sold separately. Available only in kit or assembly described above or presented in separate part list. Read Details 2

*** In HOT Seal kit Water seal flange uses normal 2T seals without support ring.**

# 11. PLUG KIT




| POS | PART NUMBER | QTY | DESCRIPTION | DETAILS | DETAILS 2 |
|---|---|---|---|---|---|
| | **V100 102 538** | | **PLUG KIT** | | |
| 1 | * | 2 | HEXAGON SOCKET CAP PLUG | R1/2 | Stainless steel |
| 2 | * | 1 | HEXAGON SOCKET CAP PLUG | R3/4 | Stainless steel |
| 3 | * | 2 | PLUG | R1/4 taper head | Stainless steel |
| 4 | * | 1 | PLUG | R3/8 taper head | Stainless steel |
| 5 | * | 1 | HEXAGON SOCKET CAP PLUG | R1/8 | Stainless steel |

* Not sold separately. Available only in kit or assembly described above or presented in separate part list. Read Details 2

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HGV POWER BOX Variable Hydraulic Generator System
HGV Variable Hydraulic Generator System
HWG Hydraulic Welding Generator
HGG Hydraulic Ground Power Generator

HIGH PRESSURE WATER
HPW Hydraulic High Pressure Water Pump
HPW Hydraulic Power Washer
KPL High Pressure Street Washing Unit
HPW-DUST High Pressure Dust Suppression System
PPL High Pressure Pipe Cleaning Unit
HPW-FIRE High Pressure Firefighting System
FP Fire Fighting Piercing Kit
HDF Hydraulic Drilling Fluid Pump
JPL High Pressure Bin Washing System
HSP Hydraulic Submersible Pump

COMPRESSED AIR
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HKL Hydraulic Rotary Vane Compressor
HKR Hydraulic Screw Compressor

MAGNET POWER
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MAG Lift Magnet
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De-Icing Technology
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