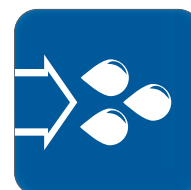


**DYNASET**  
POWERED BY HYDRAULICS



rev 1.0

**SPARE PARTS**  
**HIGH PRESSURE WATER PUMPS**



**HPW 90 /150-85**

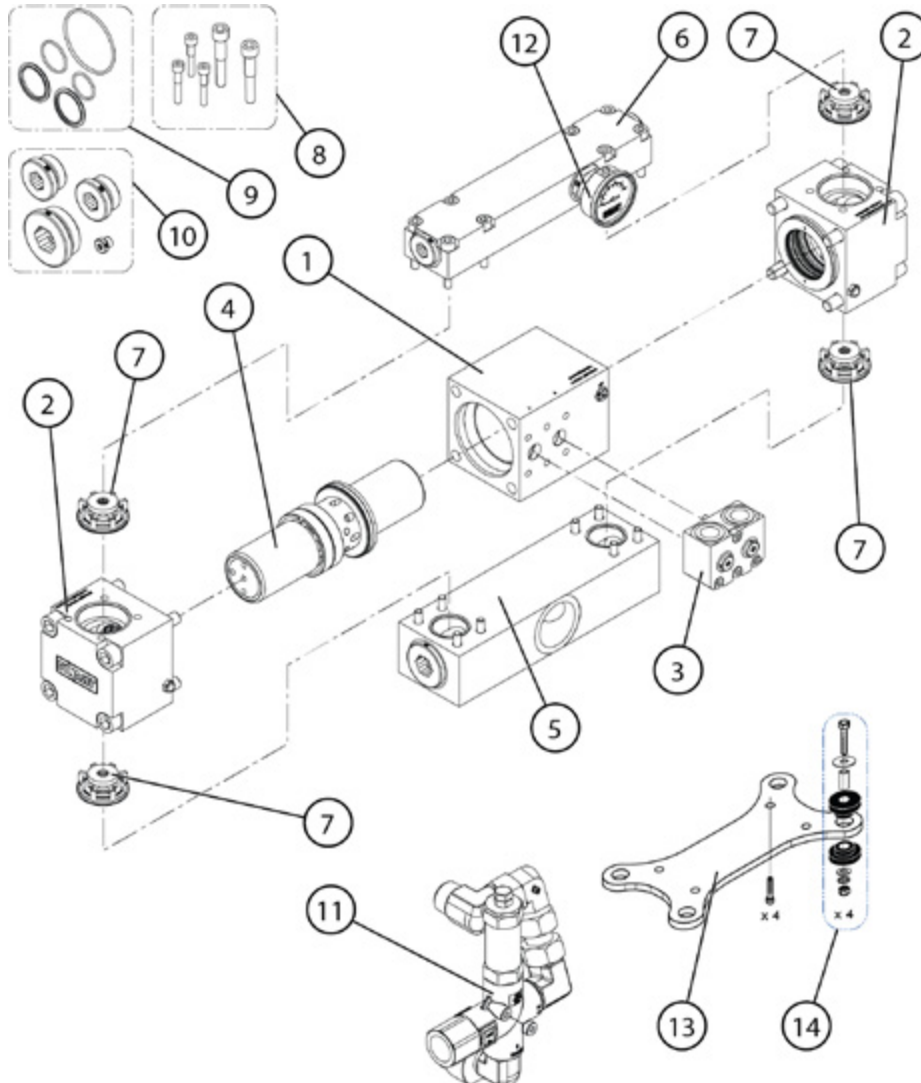
HPW90\_150-85\_Spare\_Parts\_MEA-IPL 1.0



SPARE PARTS

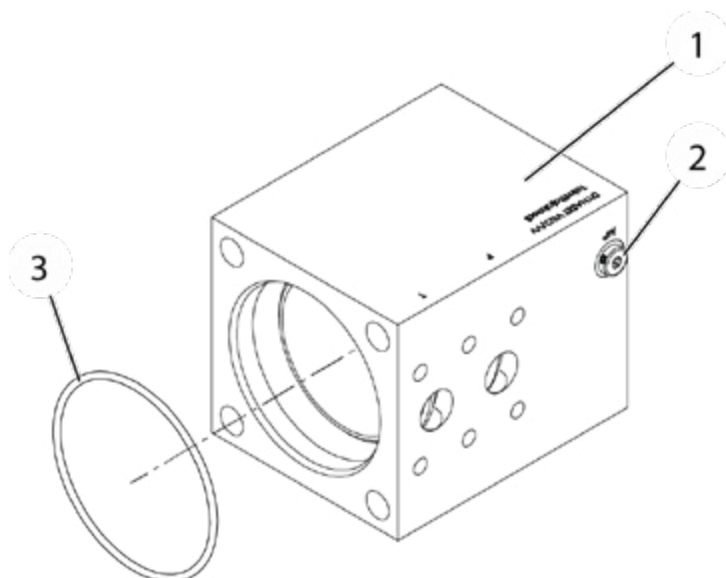
<b>MAIN COMPONENTS</b>	<b>3</b>
1. <b>CENTER BODY</b> .....	<b>4</b>
2. <b>HEAD</b> .....	<b>5</b>
3. <b>PT BLOCK</b> .....	<b>6</b>
4. <b>PISTON</b> .....	<b>9</b>
5. <b>SUCTION MANIFOLD</b> .....	<b>10</b>
6. <b>PRESSURE MANIFOLD</b> .....	<b>11</b>
7. <b>WATER VALVE</b> .....	<b>12</b>
8. <b>SCREW KIT</b> .....	<b>14</b>
9. <b>SEAL KIT</b> .....	<b>16</b>
10. <b>PLUG KIT</b> .....	<b>18</b>
11. <b>UNLOADER VALVE</b> .....	<b>19</b>

### 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	PISTON		See separate part list
5		1	SUCTION MANIFOLD		See separate part list
6		1	PRESSURE MANIFOLD		See separate part list
7		1	WATER VALVE KIT		See separate part list
8		1	SCREW KIT		See separate part list
9			SEAL KIT		See separate part list
10			PLUG KIT		See separate part list
11			UNLOADER VALVE		See separate part list
12	V100 101 871	1	PRESSURE GAUGE KIT	G3/8	Inlcudes reduction
13	D219 011 784	1	MOUNTING PLATE KIT		
14	V100 100 010	1	RUBBER CUSHION KIT		Includes 4 cushions

## 1. CENTER BODY



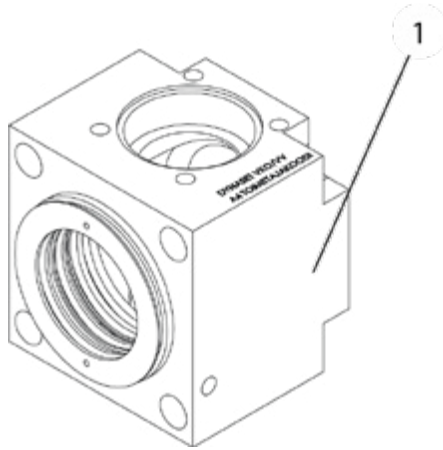
POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
1	V100 101 500	1	CENTER BODY		Includes pos. 2-3
2	*	1	HEXAGON SOCKET CAP PLUG	R1/8	
3	*	1	O-RING	87 x 3	

POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
1	V100 101 520	1	CENTER BODY AIS	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

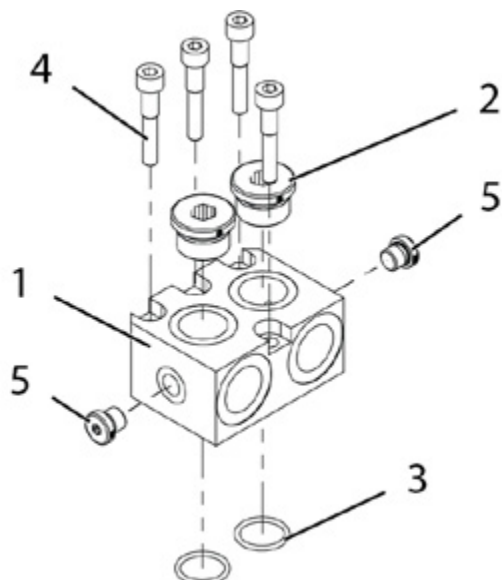
O-rings are also available in Seal kit, see page 16.  
Plugs are also available in Plug kit, see page 18.

## 2. HEAD



POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
1	V100 101 865	1	HEAD	Standard	
POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
1	V100 101 866	1	HEAD AIS	Stainless steel	

### 3. PT BLOCK

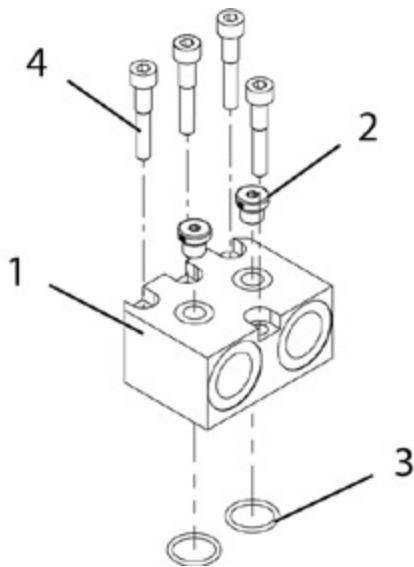


POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
	<b>V100 100 700</b>		<b>PT BLOCK</b>		<b>Includes pos. 1-5</b>
1	*	1	PT BLOCK	R3/4 - Al	
2	*	2	HEXAGON SOCKET CAP PLUG	R3/4	
3	*	2	O-RING	21,3 x 2,4	
4	*	4	HEXAGON SOCKET CAP SCREW	M8x45	
5	*	2	HEXAGON SOCKET CAP PLUG	R1/4	

POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
	<b>V100 100 770</b>		<b>PT BLOCK - M</b>		<b>Includes pos. 1-5</b>
1	*	1	PT BLOCK	R3/4 - Al	
2	*	2	HEXAGON SOCKET CAP PLUG	R3/4	Stainless steel
3	*	2	O-RING	21,3 x 2,4	
4	*	4	HEXAGON SOCKET CAP SCREW	M8x45	
5	*	2	HEXAGON SOCKET CAP PLUG	R1/4	Stainless steel

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

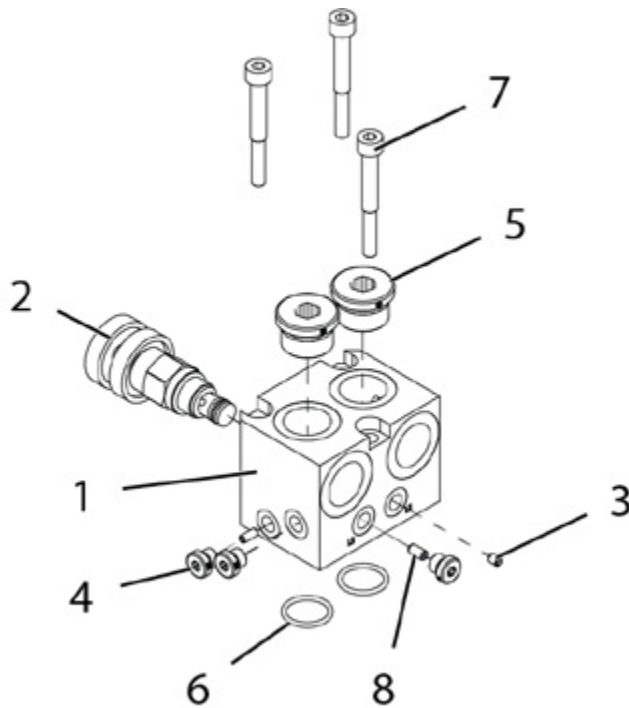
O-rings are also available in Seal kit, see page 16.  
Screws are also available in Screw kit, see page 14.



POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
	<b>V100 100 720</b>		<b>PT BLOCK - AIS</b>		<b>Includes pos. 1-4</b>
1	*	1	PT BLOCK	R3/4 - AIS	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	M8x45	Stainless Steel

\* 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 16.  
Screws are also available in Screw kit, see page 14.



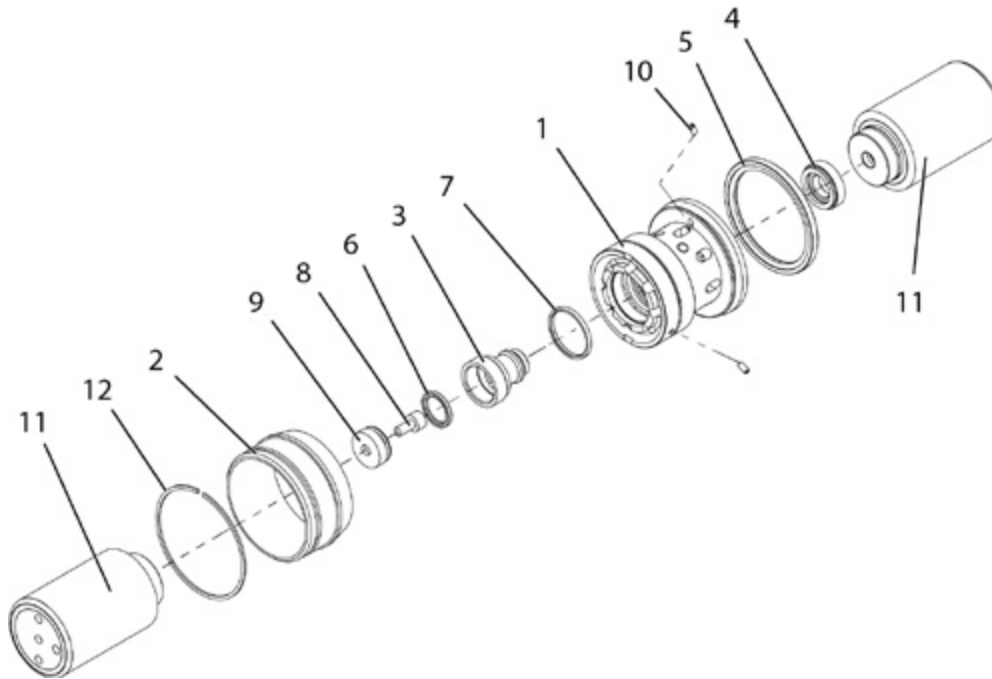
POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
	<b>V100 100 740</b>		<b>PT BLOCK - LS</b>		<b>Includes pos. 1-8</b>
1	*	1	PT BLOCK	R3/4 - AI - LS	
2	*	1	PRESSURE RELIEF VALVE CARTRIDGE	35-350 bar	
3	*	1	ORIFICE	M6	
4	*	3	HEXAGON SOCKET CAP PLUG	R1/8	
5	*	2	HEXAGON SOCKET CAP PLUG	R3/4	
6	*	2	O-RING	21,3 x 2,4	
7	*	3	HEXAGON SOCKET CAP SCREW	M8x65	
8	*	2	SET SCREW	M4	

\* 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 16.



## 4. PISTON

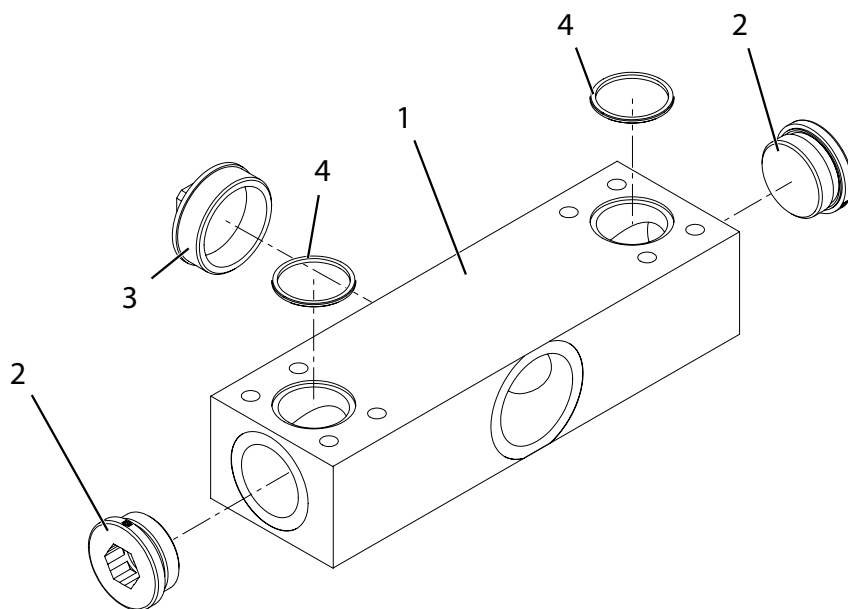


POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
	<b>V100 101 725</b>		<b>PISTON KIT</b>	<b>Piston kit includes 2 Secondary pistons</b>	<b>Includes pos. 1-12</b>
1	*	1	HYDRAULIC PISTON	D90 / d77,7	
2	*	1	CYLINDER LINER	D77,7	
3	*	1	VALVE SPOOL	D36-41,5	
4	*	1	VALVE SEAT	D35,3-10,5	
5	*	1	PISTON SEAL ASSEMBLY	M90	
6	*	1	PISTON SEAL ASSEMBLY	M28,5	
7	*	1	ROD SEAL	36/41	
8	*	1	HEXAGON SOCKET CAP SCREW	M8 x 16	
9	*	1	REVERSAL VALVE GUIDE	D28,5	
10	*	2	SET SCREW	M5x10	
11	V100 101 730	1	SECONDARY PISTON	D63	
12	*	1	LOCK RING	SW 85 x 2,5	
	<b>V100 101 880</b>		<b>HYDRAULIC PISTON KIT</b>	<b>Secondary pistons excluded</b>	<b>Includes pos. 1-5, 7, 10, 12</b>
	<b>V100 102 529</b>		<b>REVERSAL VALVE GUIDE KIT</b>		<b>Includes pos. 6, 9, 8</b>
	<b>V100 101 130</b>		<b>PISTON SEAL KIT</b>		<b>Includes pos. 5, 6, 7</b>

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

Seals and O-rings are also available in Seal kit, see page 16.

## 5. SUCTION MANIFOLD



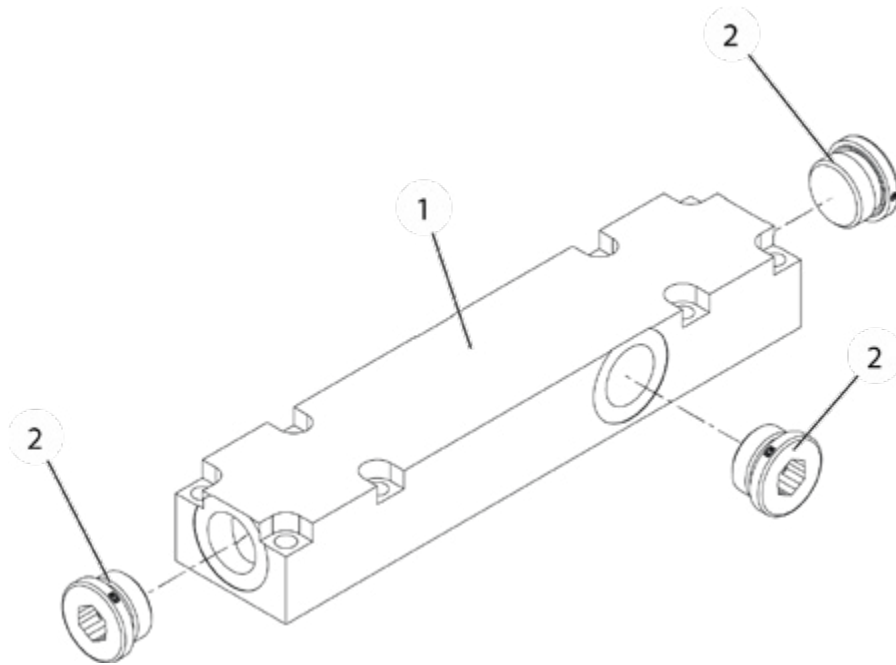
POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
	<b>V100 101 860</b>		<b>SUCTION MANIFOLD KIT</b>		<b>Includes pos. 1-4</b>
1	*	1	SUCTION MANIFOLD	AI	
2	*	2	HEXAGON SOCKET CAP PLUG	R1 1/2	
3	*	1	PLUG	R2	
4	*	2	SEAL	D47 / d41	

POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
	<b>V100 101 861</b>		<b>SUCTION MANIFOLD KIT AIS</b>		<b>Includes pos. 1-4</b>
1	*	1	SUCTION MANIFOLD	AIS	
2	*	2	HEXAGON SOCKET CAP PLUG	R1 1/2	Stainless steel
3	*	1	PLUG	R2	
4	*	2	SEAL	D47 / d41	

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

Seals are also available in Seal kit, see page 16.  
Plugs are also available in Plug kit, see page 18.

## 6. PRESSURE MANIFOLD



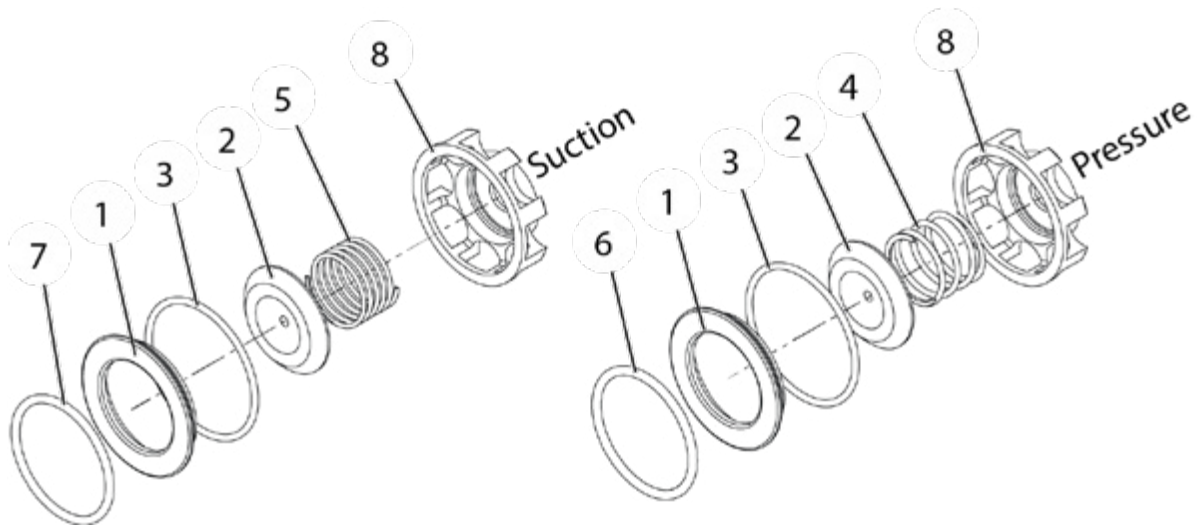
POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
	<b>V100 101 863</b>		<b>PRESSURE MANIFOLD KIT</b>		<b>Includes pos. 1-2</b>
1	*	1	PRESSURE MANIFOLD	AI	
2	*	3	HEXAGON SOCKET CAP PLUG	R1	

POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
	<b>V100 101 864</b>		<b>PRESSURE MANIFOLD KIT AIS</b>		<b>Includes pos. 1-2</b>
1	*	1	PRESSURE MANIFOLD	AIS	
2	*	3	HEXAGON SOCKET CAP PLUG	R1	Stainless Steel

\* 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 18.

## 7. WATER VALVE



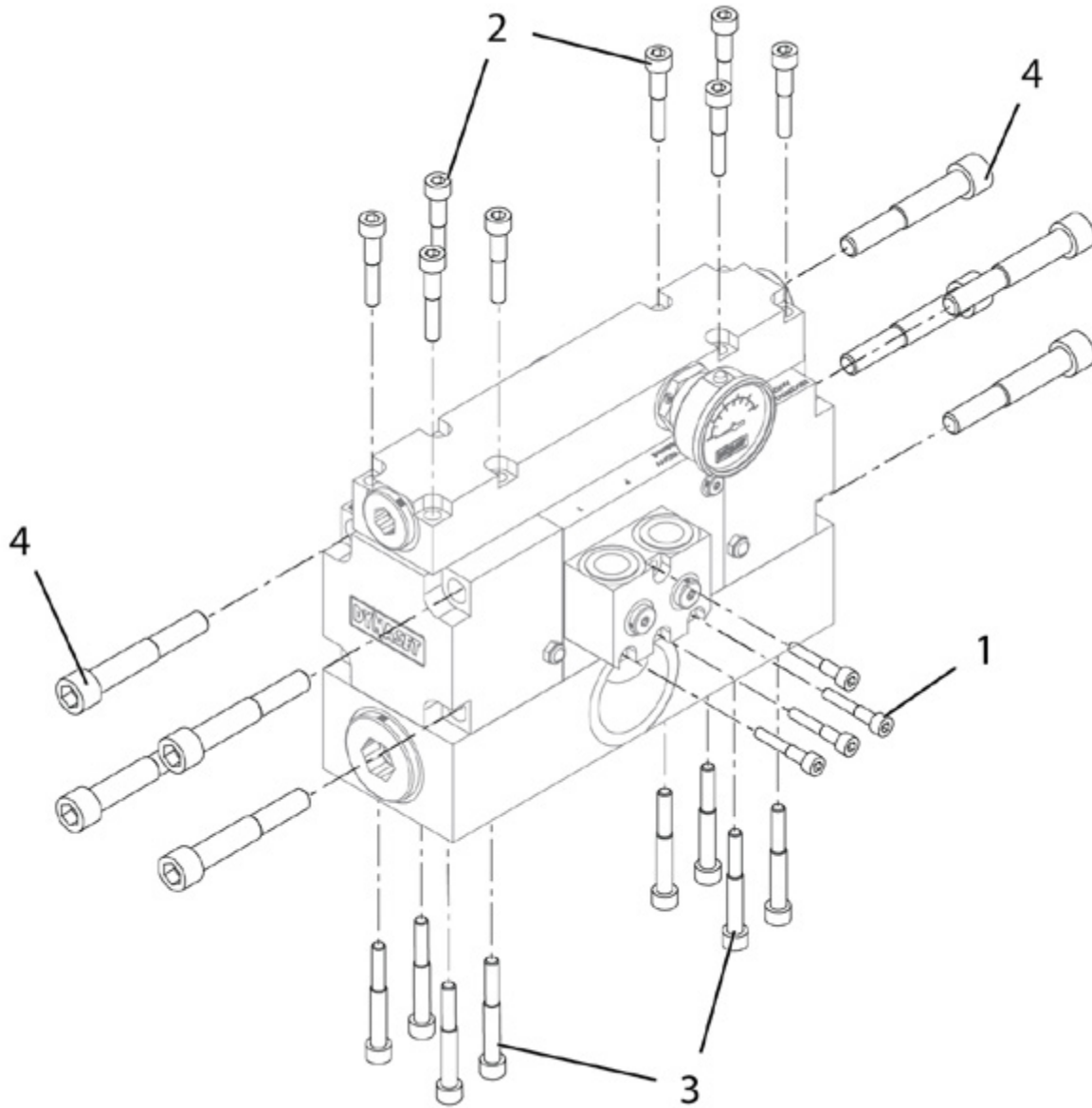
**!** NOTE! The pressure valve's (4) spring has less turns than the suction valve's (5) spring.

POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
	<b>V100 101 795</b>		<b>WATER VALVE KIT</b>		<b>Includes pos. 1-7</b>
1	*	4	WATER VALVE SEAT		
2	*	4	WATER VALVE DISK		
3	*	4	O-RING	53,64 x 2,62	
4	*	2	SPRING	Pressure	
5	*	2	SPRING	Suction	
6	*	2	O-RING	58,42 x 2,62	
7	*	2	SEAL	D47/d41	
<b>8</b>	<b>V100 101 797</b>	<b>1</b>	<b>WATER VALVE CAP</b>		

\* 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 16.

### 8. SCREW KIT



**SPARE PARTS**

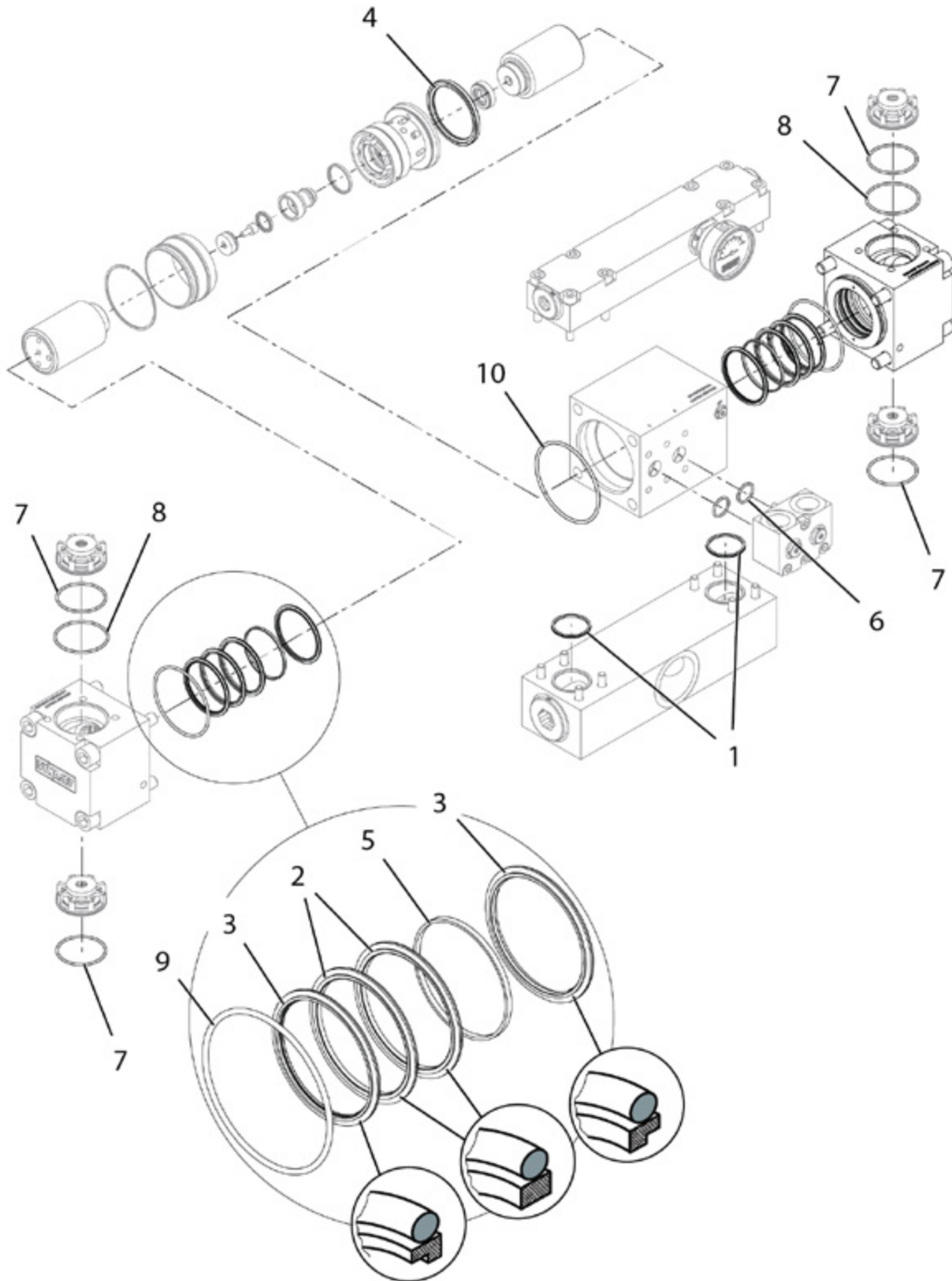
POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
	<b>V100 101 875</b>		<b>SCREW KIT</b>		<b>Includes pos. 1-4</b>
1	*	4	HEXAGON SOCKET CAP SCREW	M8 x 45	
2	*	8	HEXAGON SOCKET CAP SCREW	M10 x 55	
3	*	8	HEXAGON SOCKET CAP SCREW	M10 x 75	
4	*	8	HEXAGON SOCKET CAP SCREW	M16 x 100	

POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
	<b>V100 101 876</b>		<b>SCREW KIT AIS</b>		<b>Includes pos. 1-4</b>
1	*	4	HEXAGON SOCKET CAP SCREW	M8 x 45	Stainless steel
2	*	8	HEXAGON SOCKET CAP SCREW	M10 x 55	Stainless steel
3	*	8	HEXAGON SOCKET CAP SCREW	M10 x 75	Stainless steel
4	*	8	HEXAGON SOCKET CAP SCREW	M16 x 100	Stainless steel

\* 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.**

### 9. SEAL KIT

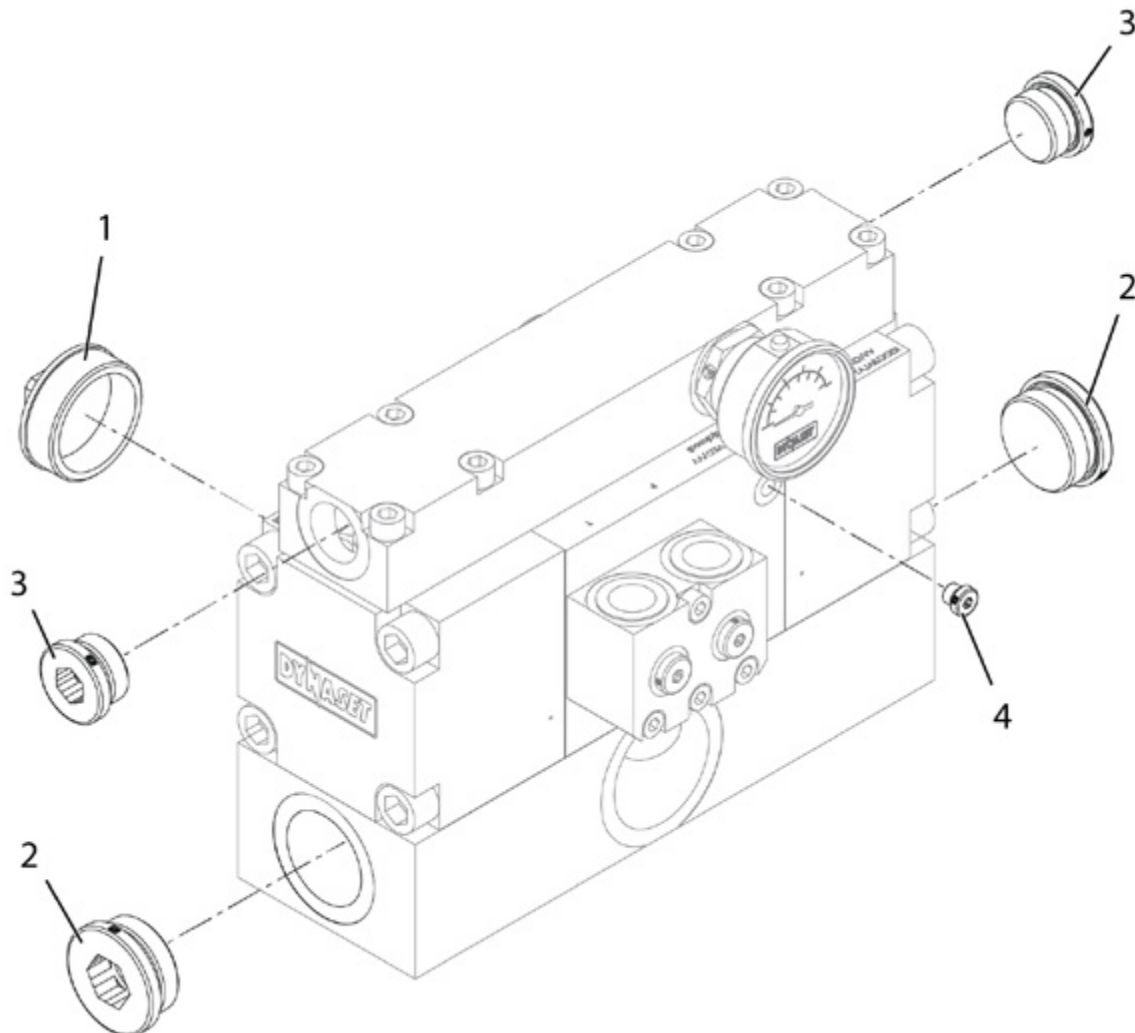




POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
	<b>V100 101 715</b>		<b>SEAL KIT</b>		<b>Includes pos. 1-10</b>
1	*	2	SEAL	D47 / d41	
2	*	4	ROD SEAL	2T	Includes o-ring
3	*	4	ROD SEAL	1T	Includes o-ring
4	*	1	PISTON SEAL ASSEMBLY	M90	
5	*	2	WEAR RING	63/66-3	
6	*	2	O-RING	21,3 x 2,4	
7	*	4	O-RING	53,64 x 2,62	
8	*	2	O-RING	58,42 x 2,62	
9	*	2	O-RING	84,5 x 3	
10	*	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

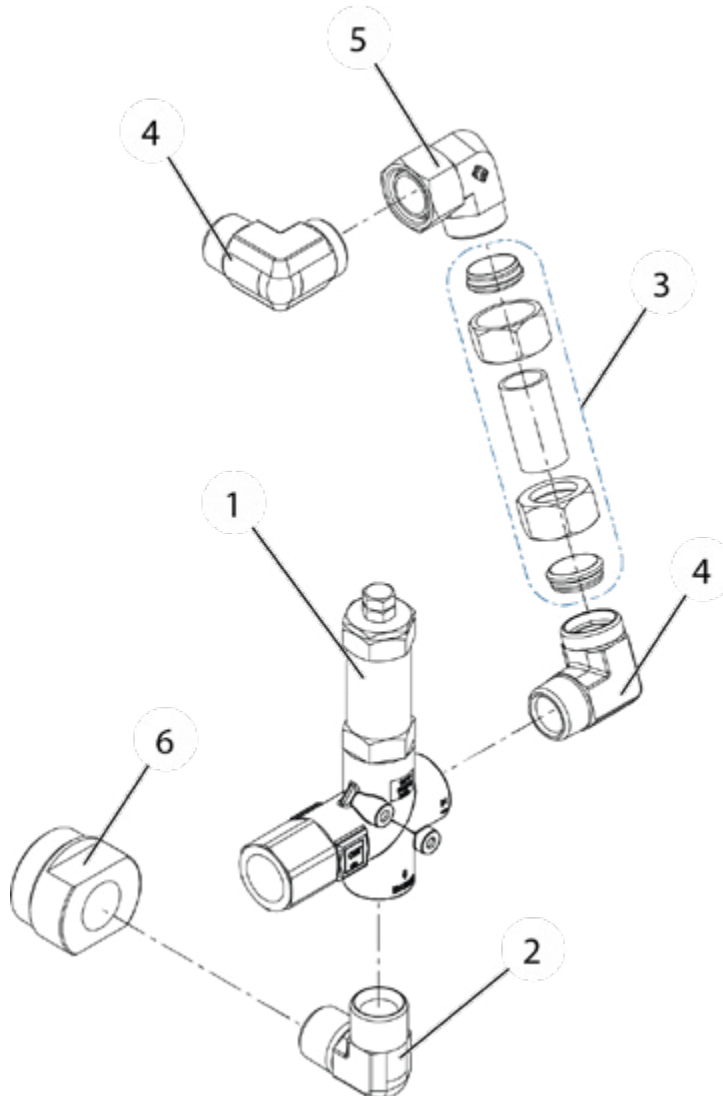
## 10. PLUG KIT



POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
	<b>V100 101 740</b>		<b>PLUG KIT</b>		<b>Includes pos. 1-4</b>
1	*	1	PLUG	R2	
2	*	2	HEXAGON SOCKET CAP PLUG	R1 1/2	
3	*	2	HEXAGON SOCKET CAP PLUG	R1	
4	*	1	HEXAGON SOCKET CAP PLUG	R1/8	

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

## 11. UNLOADER VALVE



POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
	<b>V100 102 870</b>		<b>UNLOADER VALVE KIT</b>		<b>Includes pos. 1-6</b>
1	V100 102 875	1	UNLOADER VALVE		
2	*	1	MALE STUD 90° ADAPTER	R1-RK1	
3	V100 102 885	1	PIPE ASSEMBLY	Pressure	
4	*	2	ELBOW MALE COUPLING	28L RK1	
5	*	1	ADJUSTABLE ELBOW COUPLING MALE	28L	
6	*	1	ADAPTER FITTING	R1s - R2u	
	<b>V100 102 880</b>		<b>UNLOADER VALVE INSTALLATION KIT</b>		<b>Includes pos. 2-6</b>
	<b>V100 102 850</b>		<b>UNLOADER VALVE REPAIR KIT</b>	Check valve	

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