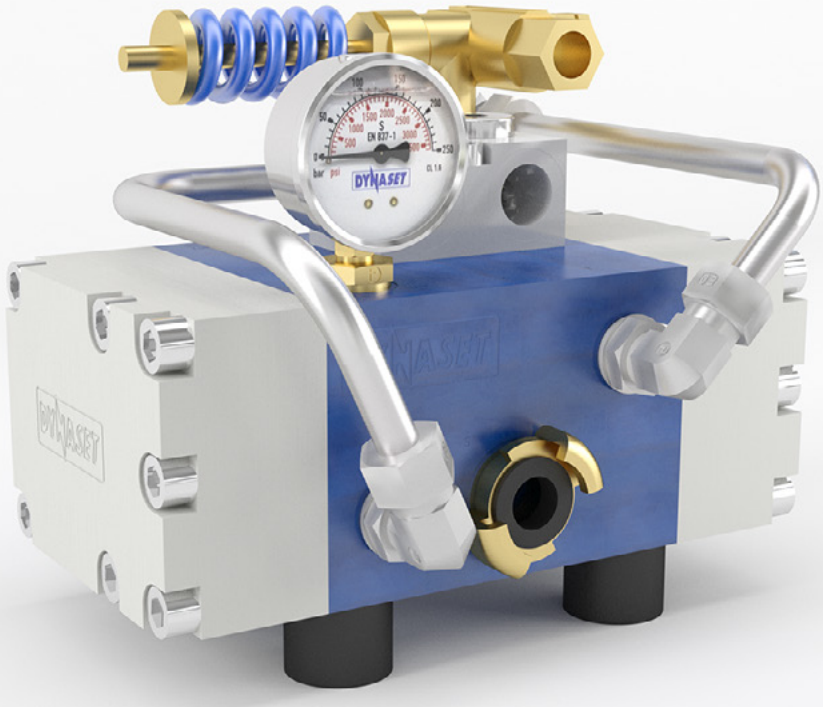
MEA
MOBILE ENERGY AUSTRALIA

DYNASET
POWERED BY HYDRAULICS



SPARE PARTS
HIGH PRESSURE WATER PUMPS

HPW 220 /50-70

Mobile Energy Australia
P: +61 3273 6803
39 Dulacca Street, Acacia Ridge QLD 4110 Australia
E: sales@mobileenergyaustralia.com.au
ABN 40 218 849 719
www.mobileenergyaustralia.com.au

MAIN COMPONENTS 3
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5. PISTON 8
6. SEAL FLANGE 9
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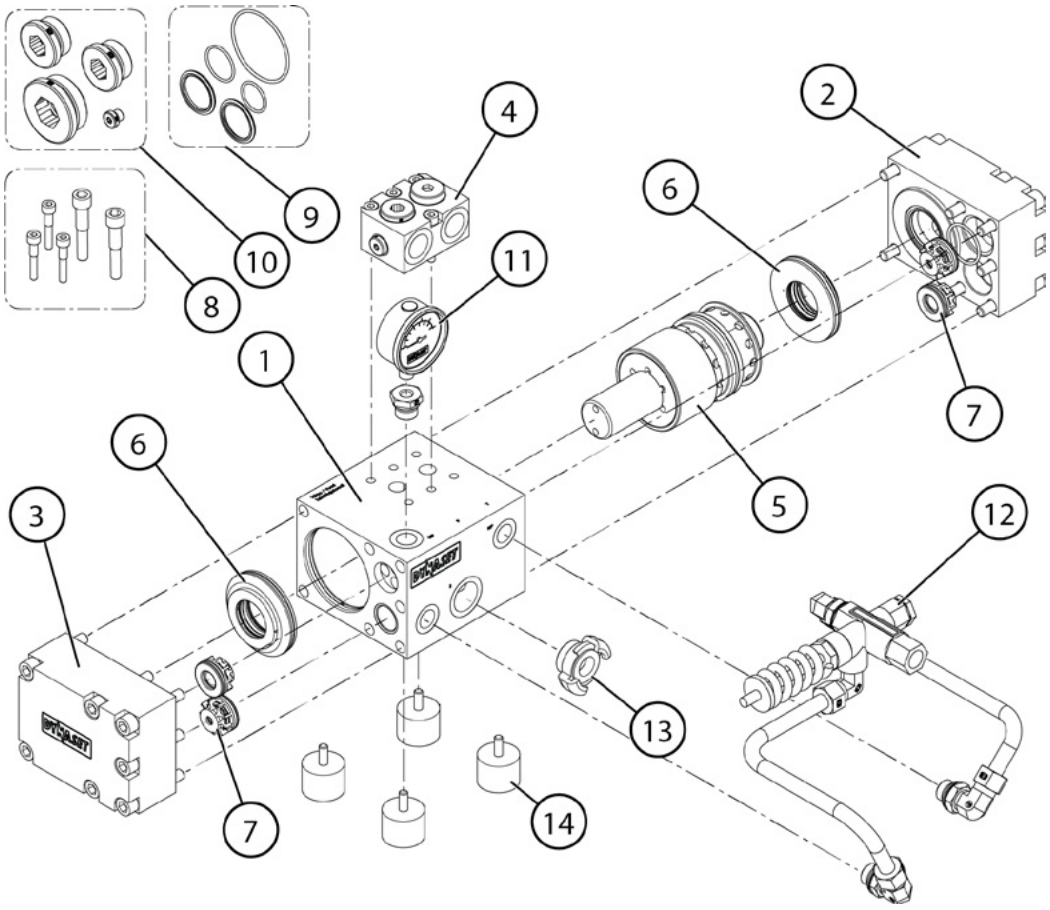
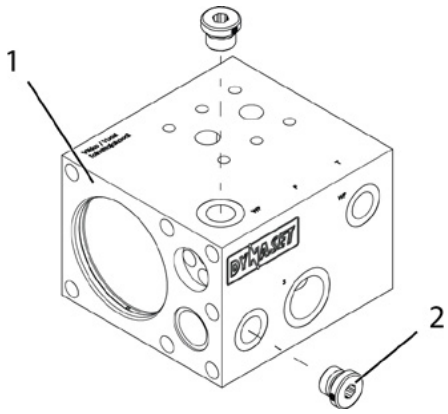
MAIN COMPONENTS



POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
1		1	CENTER BODY		See separate part list
2		1	HEAD RIGHT		See separate part list
3		1	HEAD LEFT		See separate part list
4		1	PT BLOCK		See separate part list
5		1	PISTON		See separate part list
6		2	SEAL FLANGE		See separate part list
7		2	WATER VALVE KIT		See separate part list
8			SCREW KIT		See separate part list
9			SEAL KIT		See separate part list
10			PLUG KIT		See separate part list
11		1	PRESSURE GAUGE		See separate part list
12			UNLOADER VALVE		See separate part list
13	V170 327 6000	1	CLAW COUPLING	25 - R1	
14	V100 100 001	1	RUBBER CUSHION KIT	D40 / H30 - M8	

1. CENTER BODY



POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
1	V100 101 402	1	CENTER BODY	D85 -Al	Includes pos. 2
2	*	2	HEXAGON SOCKET CAP PLUG	R1/2	

POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
1	V100 101 403	1	CENTER BODY AB	D85	Includes pos. 2
2	*	2	HEXAGON SOCKET CAP PLUG	R1/2	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 14.

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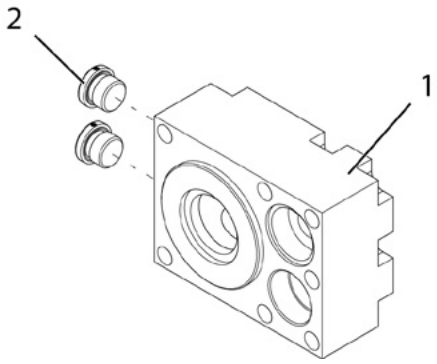
2. HEAD RIGHT



POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
1	V100 101 404	1	HEAD RIGHT	D85 / d40	Includes pos. 2
2	*	2	HEXAGON SOCKET CAP PLUG	R1/2	

POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
1	V100 101 405	1	HEAD RIGHT AB	D85 / d40	Includes pos. 2
2	*	2	HEXAGON SOCKET CAP PLUG	R1/2	Stainless steel

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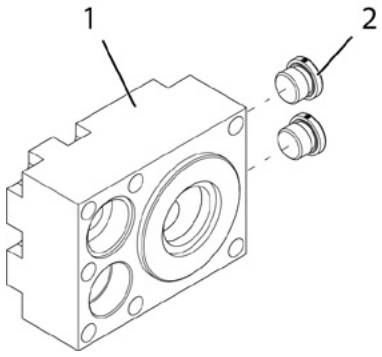
3. HEAD LEFT



POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
1	V100 101 409	1	HEAD LEFT	D85 / d40	Includes pos. 2
2	*	2	HEXAGON SOCKET CAP PLUG	R1/2	

POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
1	V100 101 410	1	HEAD LEFT AB	D85 / d40	Includes pos. 2
2	*	2	HEXAGON SOCKET CAP PLUG	R1/2	Stainless steel

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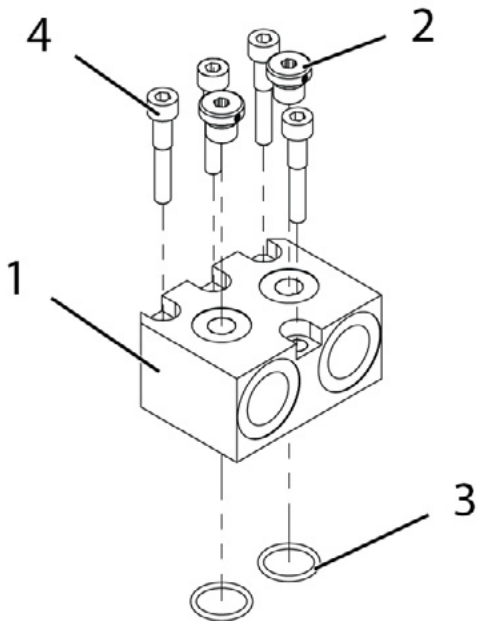
Plugs are also available in Plug kit, see page 14.

4. PT BLOCK



POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
	V100 100 700		**PT BLOCK**		**Includes pos. 1-4**
1	*	1	PT BLOCK	R3/4 - AI	
2	*	2	HEXAGON SOCKET CAP PLUG	R3/4	
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 - AIS**		**Includes pos. 1-4**
1	*	1	PT BLOCK	R3/4	Stainless Steel
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	M8 x 45	Stainless Steel

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Screws are also available in Screw kit, see page 11.
O-rings are also available in Seal kit, see page 12.
Plugs are also available in Plug kit, see page 14.

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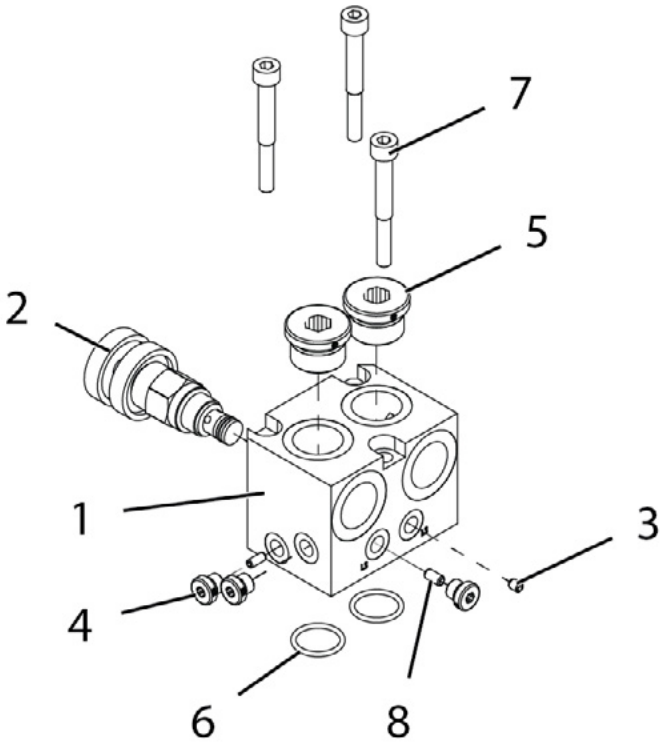

POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
	V100 100 730		**PT BLOCK - LS**		**Includes pos. 1-9**
1	*	1	PT BLOCK	R3/4 - AI - LS	
2	*	1	PRESSURE RELIEF VALVE CARTRIDGE	35-350 bar	
3	*	1	ORIFICE	M6	
4	*	3	HEXAGON SOCKET CAP PLUG	R1/8	
5	*	1	HEXAGON SOCKET CAP PLUG	R3/4	
6	*	2	O-RING	21,3 x 2,4	
7	*	3	HEXAGON SOCKET CAP SCREW	M8 x 65	
8	*	2	SET SCREW	M4	

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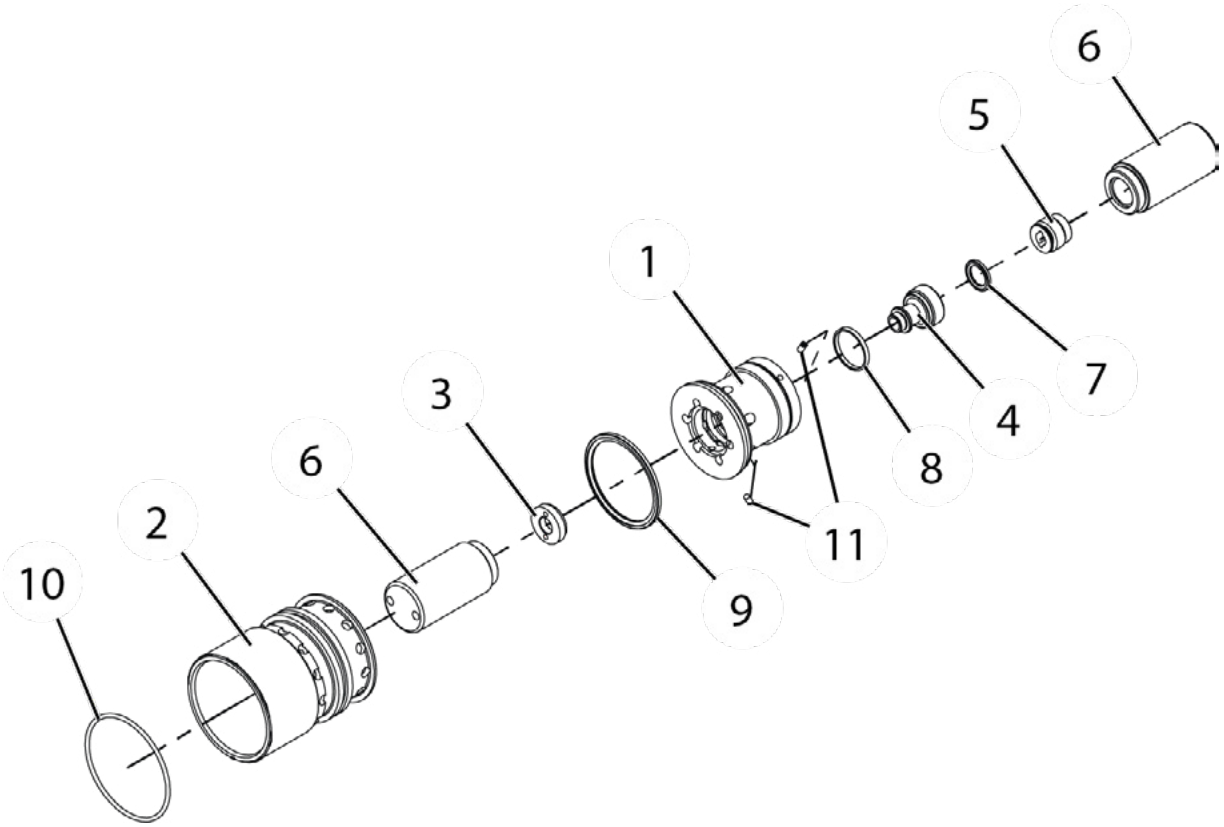
Screws are also available in Screw kit, see page 11.
O-rings are also available in Seal kit, see page 12.
Plugs are also available in Plug kit, see page 14.

5. PISTON



POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
	V100 101 400		**PISTON KIT**	**Piston kit includes 2 Secondary pistons**	**Includes pos. 1-11**
1	*	1	HYDRAULIC PISTON	D75 / d60,1	
2	*	1	CYLINDER LINER	D75 / d60,1	
3	*	1	VALVE SEAT	D29,5-8	
4	*	1	VALVE SPOOL	D30-36,5	
5	V100 101 482	1	REVERSAL VALVE GUIDE	D22,5 - L21	Includes pos. 7
6	V100 101 481	1	SECONDARY PISTON	D40	
7	*	1	PISTON SEAL ASSEMBLY	M24	
8	*	1	ROD SEAL	30/33-3,5	
9	*	1	PISTON SEAL ASSEMBLY	M75	
10	*	1	O-RING	79,5 x 3	
11	*	2	SET SCREW	M5 x 10	
	V100 101 401		**HYDRAULIC PISTON KIT**	**Secondary pistons excluded**	**Includes pos. 1-5, 8-11**

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O-rings and seals are also available in Seal kit, see page 12.

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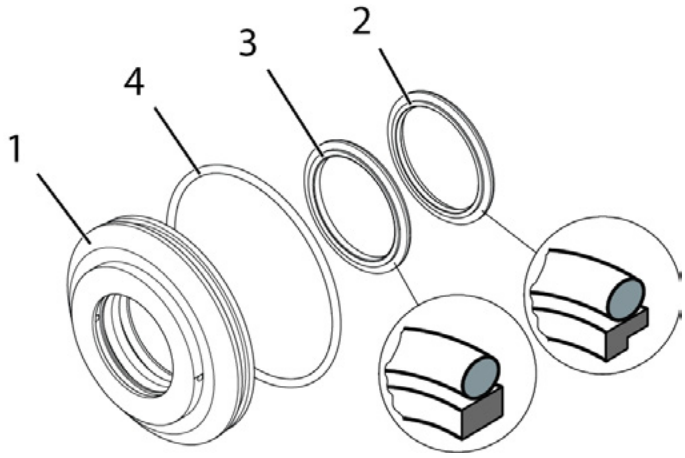
6. SEAL FLANGE



POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
	V100 101 392		**SEAL FLANGE KIT**		**Includes pos. 1-4**
1	V100 101 393	1	FLANGE BODY	D85 / d40,1-18,5	
2	*	1	WATER PISTON SEAL	1T	Includes O-ring
3	*	1	WATER PISTON SEAL	2T	Includes O-ring
4	*	1	O-RING	79,5 x 3	

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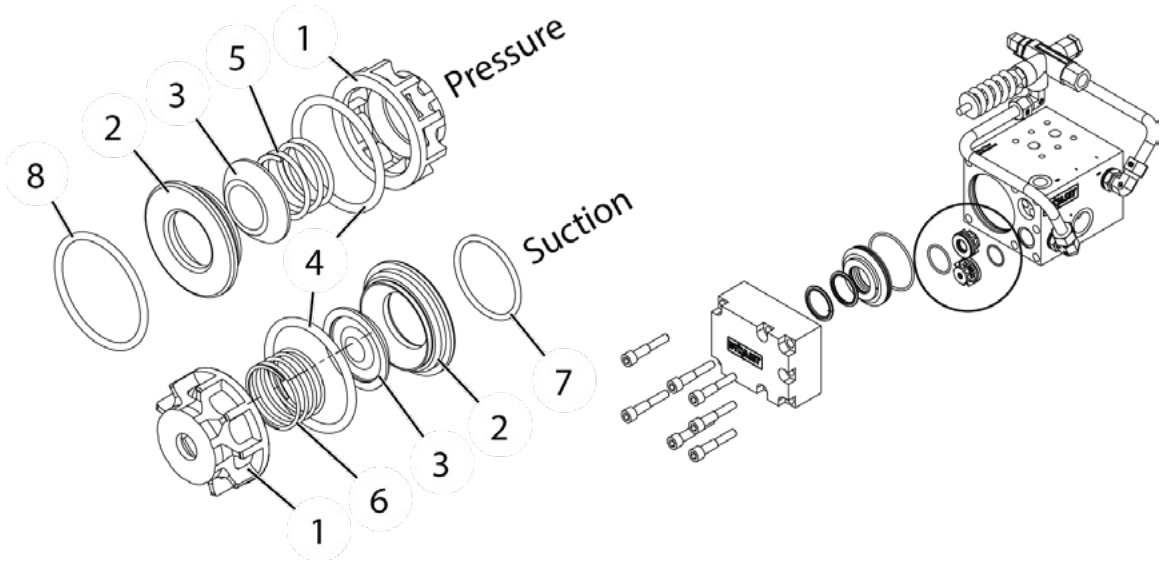
O-rings and seals are also available in Seal kit, see page 12.

7. WATER VALVE



NOTE! The pressure valve's spring (5) has less turns than the suction valve's (6) spring.

POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
	V100 101 475		**WATER VALVE KIT**		**Includes pos. 2-8**
1	V100 101 474	4	WATER VALVE CAB		
2	*	4	WATER VALVE SEAT		
3	*	4	WATER VALVE DISK		
4	*	4	O-RING	31,42 x 2,62	
5	*	2	SPRING	Pressure valve	
6	*	2	SPRING	Suction valve	
7	*	2	O-RING	27 x 2	
8	*	2	O-RING	37,77 x 2,62	

POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
	V100 101 476		**WATER VALVE KIT HOT**		**Includes pos. 2-8**
1	V100 101 474	4	WATER VALVE CAB		
2	*	4	WATER VALVE SEAT		
3	*	4	WATER VALVE DISK		
4	*	4	O-RING	31,42 x 2,62	
5	*	2	SPRING	Pressure valve	
6	*	2	SPRING	Suction valve	
7	*	2	O-RING	27 x 2	
8	*	2	O-RING	37,77 x 2,62	

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O-rings are also available in Seal kit, see page 12.

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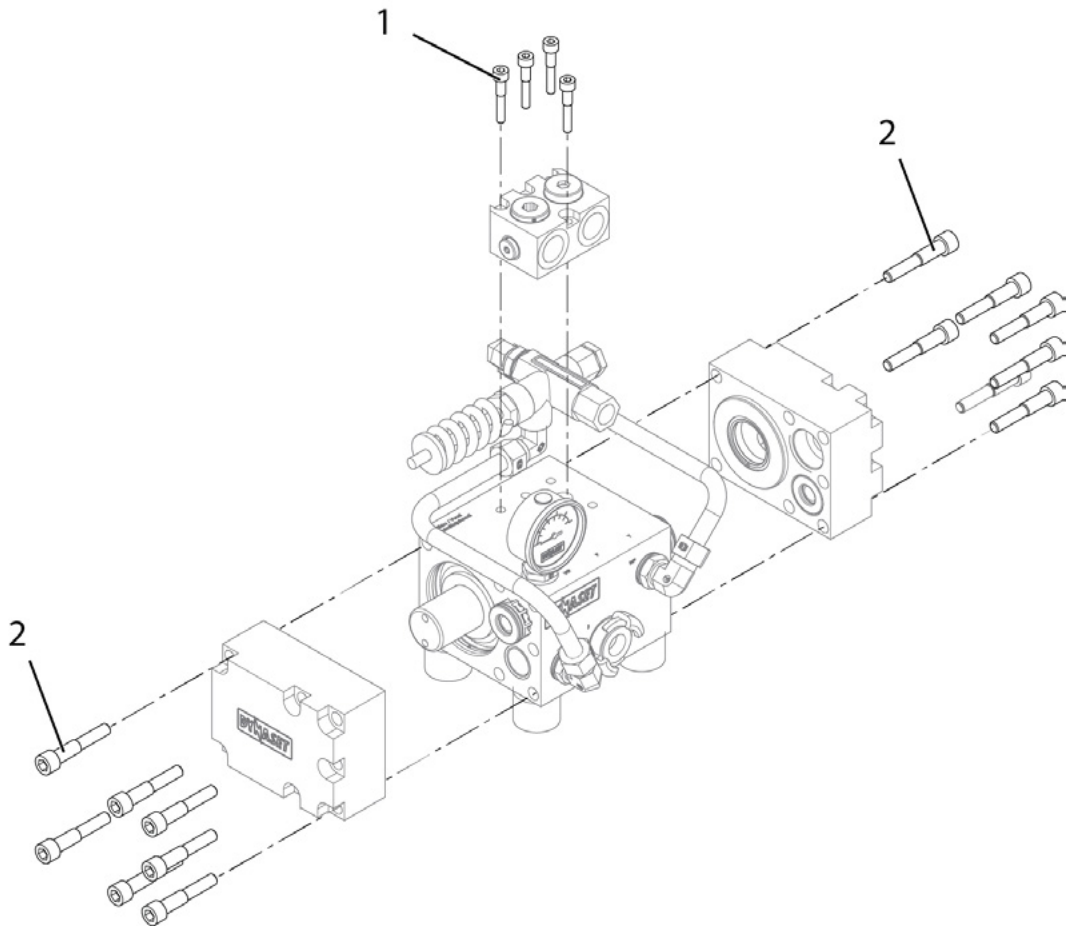
8. SCREW KIT



POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
	V100 101 479		**SCREW KIT**		**Includes pos. 1-2**
1	*	4	HEXAGON SOCKET CAP SCREW	M8 x 45	
2	*	14	HEXAGON SOCKET CAP SCREW	M12 x 65	

POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
	V100 101 490		**SCREW KIT M**		**Includes pos. 1-2**
1	*	4	HEXAGON SOCKET CAP SCREW	M8 x 45	Stainless steel
2	*	14	HEXAGON SOCKET CAP SCREW	M12 x 65	Stainless steel

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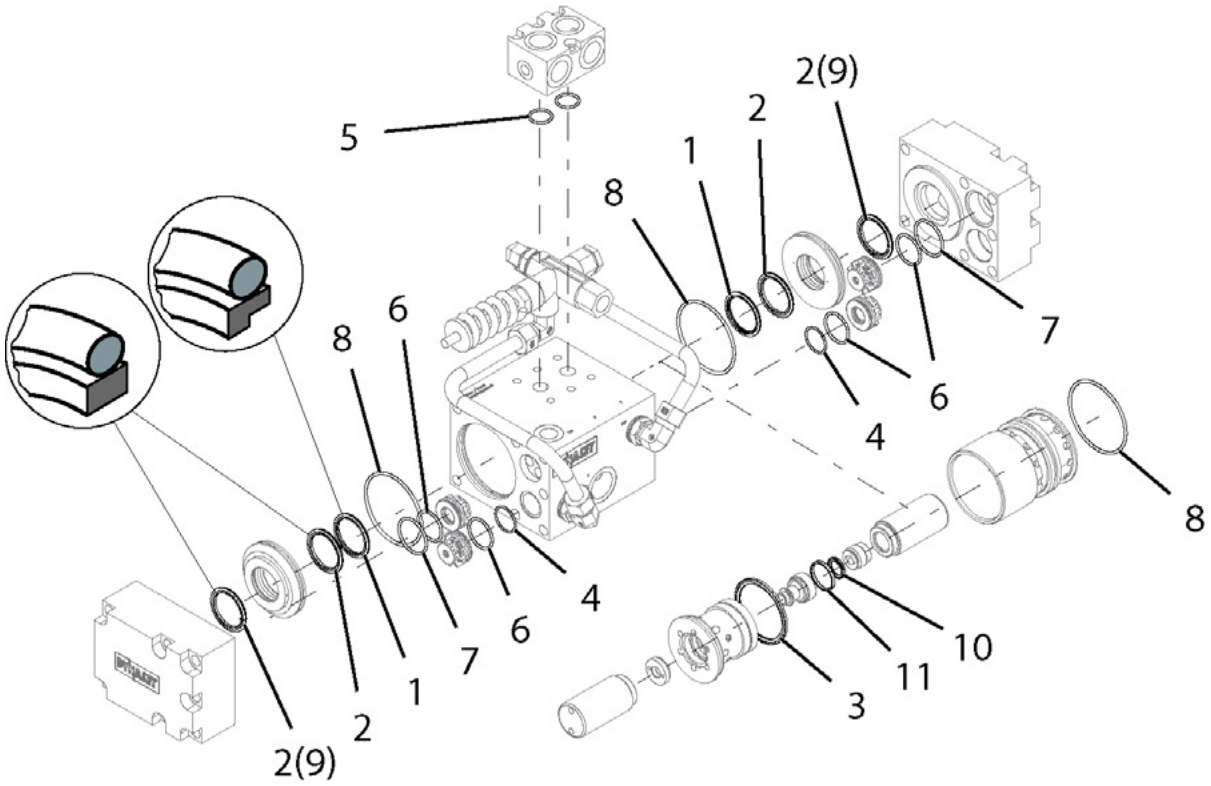
NOTE! Tightening torques can be found in user manual.

9. SEAL KIT



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POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
	V100 101 395		**SEAL KIT**		**Includes pos. 1-8**
1	*	2	WATER PISTON SEAL	1T	Includes O-ring
2	*	4	WATER PISTON SEAL	2T	Includes O-ring
3	*	1	PISTON SEAL ASSEMBLY	M75	
4	*	2	O-RING	27 x 2	
5	*	2	O-RING	21,3 x 2,4	
6	*	4	O-RING	31,42 x 2,62	
7	*	2	O-RING	37,77 x 2,62	
8	*	3	O-RING	79,5 x 3	

POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
	V100 101 397		**SEAL KIT HOT**		**Includes pos. 1-9**
1	*	2	WATER PISTON SEAL	1T	Includes O-ring
2	*	2	WATER PISTON SEAL	2T	Includes O-ring
3	*	1	PISTON SEAL ASSEMBLY	M75	
4	*	2	O-RING	27 x 2	
5	*	2	O-RING	21,3 x 2,4	
6	*	4	O-RING	31,42 x 2,62	
7	*	2	O-RING	37,77 x 2,62	
8	*	3	O-RING	79,5 x 3	
9	*	2	WATER PISTON SEAL	2T, green, water side	Includes O-ring

POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
	V100 101 125		**SEAL KIT HYDRAULIC PISTON**		Includes pos. 4, 10, 11
3	*	1	PISTON SEAL ASSEMBLY	M75	Includes o-ring
10	*	1	PISTON SEAL ASSEMBLY	M24	Includes o-ring
11	*	1	ROD SEAL	30/33-3	

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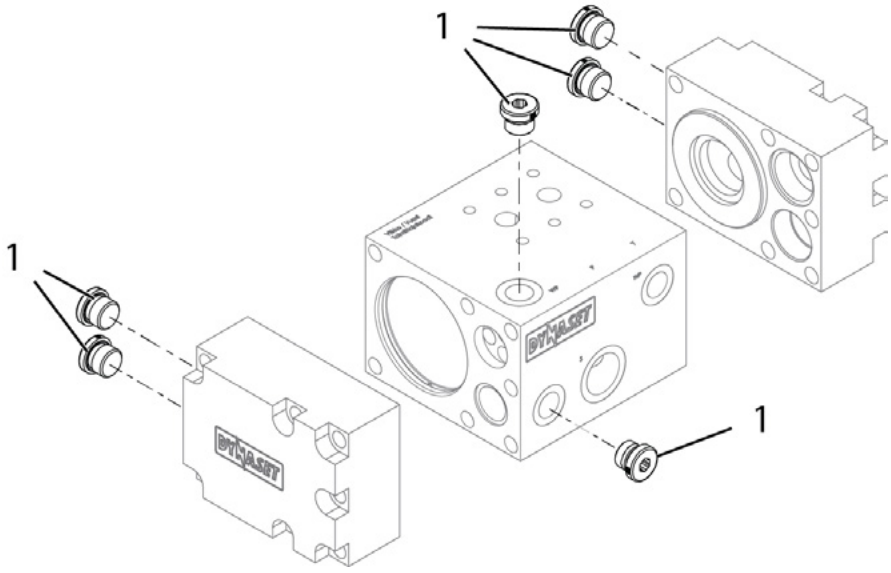
10. PLUG KIT



POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
	V100 101 495		**PLUG KIT**		**Includes pos. 1**
1	*	6	HEXAGON SOCKET CAP PLUG	R1/2	

POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
	V100 101 496		**PLUG KIT M**		**Includes pos. 1**
1	*	6	HEXAGON SOCKET CAP PLUG	R1/2	Stainless steel

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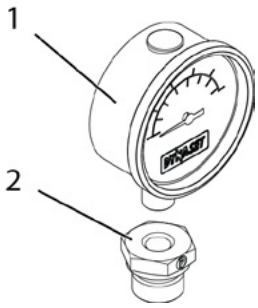
11. PRESSURE GAUGE



POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
	V100 101 486		**PRESSURE GAUGE KIT**		**Includes pos. 1-2**
1	V100 101 485	1	PRESSURE GAUGE	D63 - 250 bar	
2	*	1	REDUCTION	1/2u - 1/4	

POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
	V100 101 487		**PRESSURE GAUGE KIT M**		**Includes pos. 1-2**
1	V100 101 485	1	PRESSURE GAUGE	D63 - 250 bar	
2	*	1	REDUCTION	1/2u - 1/4	Stainless steel

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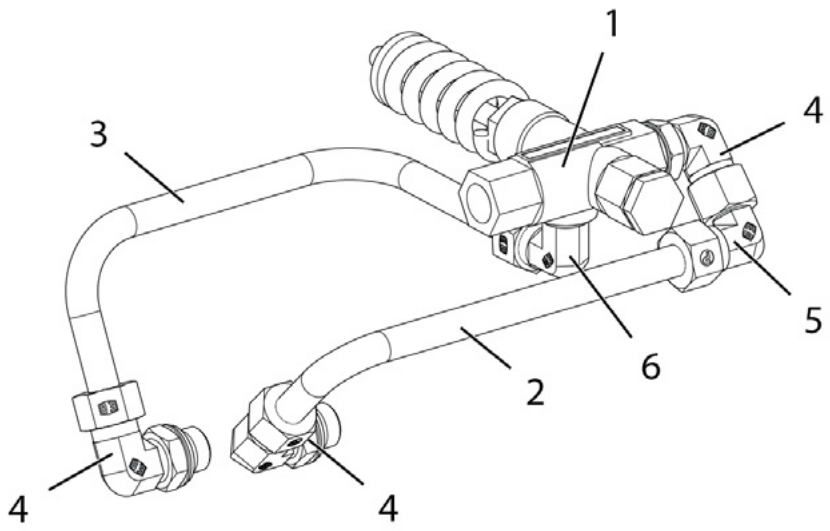
12. UNLOADER VALVE



POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
	V100 102 810		**UNLOADER VALVE KIT**		**Includes pos. 1-6**
1	V100 102 815	1	UNLOADER VALVE	310 bar	
2	*	1	PIPE ASSEMBLY	Pressure	
3	*	1	PIPE ASSEMBLY	Bypass	
4	*	3	ADJUSTABLE ELBOW COUPLING	15L R1/2	
5	*	1	ADJUSTABLE ELBOW COUPLING	15L	
6	*	1	ELBOW MALE COUPLING	15L RK1/2	
	V100 102 822		**UNLOADER VALVE PIPE ASSEMBLY**	**STD**	**Includes pos. 2-3**
	V100 102 820		**UNLOADER VALVE INSTALLATION KIT**		**Includes pos. 2-6**

POS	PART NUMBER	QTY	DESCRIPTION	DETAILS	DETAILS 2
	V100 102 812		**UNLOADER VALVE KIT - M**		**Includes pos. 1-6**
1	V100 102 815	1	UNLOADER VALVE	310 bar	
2	*	1	PIPE ASSEMBLY M	Pressure	Stainless Steel
3	*	1	PIPE ASSEMBLY M	Bypass	Stainless Steel
4	*	3	ADJUSTABLE ELBOW COUPLING	15L R1/2	Stainless Steel
5	*	1	ADJUSTABLE ELBOW COUPLING	15L	Stainless Steel
6	*	1	ELBOW MALE COUPLING	15L RK1/2	Stainless Steel
	V100 102 823		**UNLOADER VALVE PIPE ASSEMBLY M**		**Includes pos. 2-3**
	V100 102 821		**UNLOADER VALVE INSTALLATION KIT M**		**Includes pos. 2-6**

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