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Pressure Comparison Pump, hydraulic 1000 / 1200 / 1600 bar - 14500 / 17400 / 23200 psi

LSP	
SD 1600 DI VD	

Technical Data			LSP-1000-EB	LSP-1000-EB-VP	LSP-1200-DL-VP	LSP-1600-DL-VP
Pressure generation		[bar] [psi]	0 0) 1000 14500	0 1200 0 17400	0 1600 0 23200
Medium			mineral oil based hydraulic fluids or clean water, fre of calcium-carbonate / scale			
Pressure ports			2 x 1/2" E	BSP female rotating, incl.	O-ring seal	
Fluid reservoir		[cm ²]		400		
Piston diameter		[mm]		8		
Spindle stroke [cm ³]			appr. 3.9 (per turnaround: appr. 0.1)			
Needed force [Nm]			at 250 bar: 2.0 • at 500 bar: 4.0 • at 1000 bar: 8.0			
Materials:			stainless steel, aluminium, brass, Viton and NBR			
Dimensions	distance of pressure ports	[mm]	200	200	200	200
	lenght	[mm]	520	600	600	600
	width	[mm]	280	280	300	300
	height	[mm]	220	220	240	240
Weight		[kg]	7.3	8.5	9.9	9.9
stationary fixing			2 drillings in front flange (dia. 6.4 mm) rigid		rigid aluminiu	m base plate
NOT suitable for destilled water or water based hydraulic fluids!						
Versions for aggressive media like SKYDROL [®] or brake fluids also available (Type"-S")						

Optional Accessories:	
LSP-VP	Priming pump to be mounted between back flange and fluid reservoir, incl. mounting parts. Only for type LSP 1000- EB, because the LSP-VP is included in scope of supply of all other types.
BLINDSTOPFEN-G12-MS	Blind plugs for both pressure ports (1/2" BSP)
LSP-ADAPTER-SET	Set of stainless steel adapters for pressure ports 1/4" BSP, M20x1.5, 1/4" NPT, 1/2" NPT, and set of gaskets
LSP-DOV	Spare O-rings for pressure ports (1/2" BSP), bag with 10 pcs.
VA-M16X2-G12A	Minimess® coupling M16x2 male x 1/2" BSP male
MMS-M16X2-1-0	Minimess® hose M16x2, length: 1.0 m
MMS-M16X2-2-0	Minimess® hose M16x2, length: 2.0 m
MMS-M16X2-3-2	Minimess® hose M16x2, length: 3.2 m
MMS-M16X2-4-0	Minimess® hose M16x2, length 4.0 m
MSV-G12-M16X2	Minimess® adapter 1/2 BSP female x M16x2 male

Recommended pressure reference instruments:

- Electrn. Process Calibrator
- Electrn. Pressure CalibratorDigital Reference Gauge
- Digital Test Pressure Gauge
- Digital Test Pressure Gauge
- Digital Test Pressure Gauge
 - ightar recer receare cauge
- LPC 300Accuracy: ±0.025% of full scale valueLPC 200Accuracy: ±0.025% of f.s.v. / ±0.1% of measured valueTLDMMAccuracy: ±0.05% of full scale valueTLDMM-A01Accuracy: ±0.1 of full scale valueTLDMM-A02Accuracy: ±0.2% of full scale valueLDM 70Accuracy: ±0.25 or 0,5% of full scale value



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