

PH - SINGLE STAGE HAND PUMPS

The single stage PH series of hand pumps are available in 700 & 800 bar working pressures and with the option of 600 & 1000cc useable reservoir capacities.

The 700 bar version are also available fully assembled with 2m long hose (LS201ES), swivel coupling (ASE10) & female half coupling AQI7. The order code for these: PH70-600/LS201 & PH70-1000/LS201.

Technical tip: To ensure complete operator safety at all times we recommend the fitting of a pressure gauge (AMT801) with gauge adaptor (AVM204) to this series of pumps.



PRESSURE GAUGES

Pump PH70-600 equipped with pressure gauge AMT801 & gauge adaptor AVM204, used for display of the hydraulic pressure.



SHUT-OFF VALVE

VAD22 shut off valve increase and improve the usage of the hand pump. Shut-off valves for hose- or direct assembly onto the pump is included in the range of accessories

Name	Part number	Working pressure MPa	Eff. oil volume cm ³	Capacity cm ³ /stroke	Pump force N	Length mm	Width mm	Height mm	Weight kg
PH70A-600	49100	70	600	2.9	450	590	90	170	4.5
PH70A-600/LS201	49108	70	600	2.9	450	590	90	170	4.7
PH70A-1000	49101	70	1000	2.9	450	590	110	170	5.2
PH70A-1000/LS201	49109	70	1000	2.9	450	590	110	170	5.4
PH80A-600	49102	80	600	2.9	515	590	90	170	4.5
PH80A-1000	49103	80	1000	2.9	515	590	110	170	5.2

Note: The hydraulic connection interface on all PH-pumps is constituted by a G1/4" threaded port.

Technical tip: When fitting hoses & accessories to any hydraulic equipment, please ensure that the working pressure rating matches or exceeds that of the pump supplying the system. Also ensure the effective oil volume of the pump exceeds the total oil volume of the hydraulic system.



PHS - TWO STAGE HAND PUMPS

The REHOBOT Two-stage PHS hand pump comes with a pressure gauge as standard. This gives the user a precise and safe control over the work carried out. The gauge is directly mounted onto the pump and well protected by the specially designed pump lever. The 2-stage function makes the pump simple to operate permitting the cylinder or hydraulic tool to reach its working position much faster compared with 1-stage pumps.



- Hydraulic return connection port standard on all pumps
- Robust aluminium tank with low weight and simple oil filling
- Needle hold/release valve - ensures precise control over lowering operation
- Mounting holes for fixed installations & handle locking system for easy carrying

The PHS-pumps with 70MPa pumps are also available fully assembled with hose including a quick coupling AQ17 and swivel coupling ASE10. Please contact REHOBOT to obtain further details and ordering information.

Name	Part number	Working pressure MPa	Eff. oil volume cm ³	Capacity cm ³ /stroke		Pump force N	Pressure gauge Type	Length mm	Width mm	Height mm	Weight kg
				High-pressure	Low-pressure						
PHS70-300	44411	70	300	1	20	350	AMT801	320	110	170	6
PHS70-1000	44400	70	1000	2	20	320	AMT801	620	110	170	8.1
PHS70-2400	44405	70	2400	2	20	320	AMT801	620	110	170	9.9
PHS70-4000	44875	70	4000	2	20	320	AMT801	620	185	170	13.7
PHS80-300	44412	80	300	1	20	400	AMT801	320	110	170	6
PHS80-1000	44401	80	1000	2	20	360	AMT801	620	110	170	8.1
PHS80-2400	44406	80	2400	2	20	360	AMT801	620	110	170	9.9
PHS80-4000	44876	80	4000	2	20	360	AMT801	620	185	170	13.7
PHS100-1000	44402	100	1000	1	20	230	TX104	620	110	170	8.3
PHS100-2400	44407	100	2400	1	20	230	TX104	620	110	170	10.1
PHS150-1000	44403	150	1000	1	20	370	TX104	620	110	170	8.3
PHS150-2400	44408	150	2400	1	20	370	TX104	620	110	170	10.1
PHS150-1000L	44899	150	1000	1	20	370	AMT151	620	110	170	8.5
PHS150-2400L	44903	150	2400	1	20	370	AMT151	620	110	170	10.3
PHS240-2400L ^{*)}	44910	240	2400	0.7	20	460	AMT301	620	110	170	10.3

^{*)} PHS240 is ultra high pressure. All components & accessories needs to be selected for use with ultra high pressures.
The hydraulic port connection interface on PHS240-2400L are 9/16" - 18UNF threaded ports with 60° Internal cone.

Note: The hydraulic pressure & return connection interface on all other PHS-pumps are constituted by two G1/4" threaded ports.

Technical tip: When fitting hoses & accessories to any hydraulic equipment, please ensure that the working pressure rating matches or exceeds that of the pump supplying the system. Also ensure the effective oil volume of the pump exceeds the total oil volume of the hydraulic system.



PRESSURE GAUGE

All pumps in the PHS-series comes with a pressure gauge as standard. Different units for the representation of pressure or load can be offered.



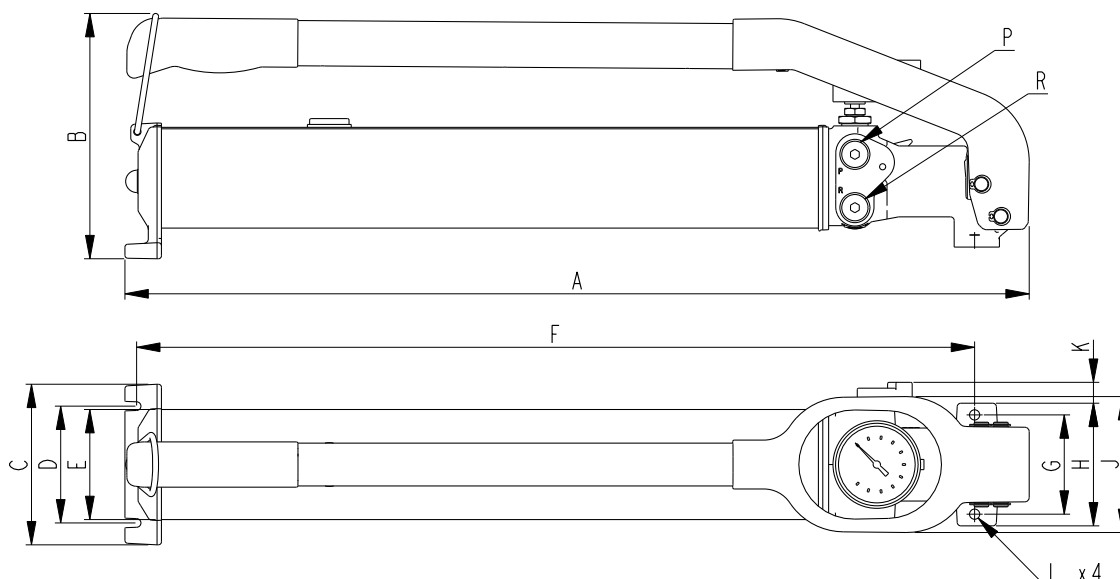
PRESSURE VALVES

Each PHS-pump in the pressure range of 70-80 MPa can be equipped with a directional valve. This enable operation of double acting cylinders or hydraulic tools.



Technical data

Name	Working press. MPa	Eff. oil vol. cm ³	Cap. cm ³ /stroke		Pump force N	Gauge	Length mm	Width mm	Height mm	Weight kg
PHS60-2400	60	2400	2	20	275	AMT801	620	110	170	9.9
PHS70-300	70	300	1	20	350	AMT801	320	110	170	6
PHS70-1000	70	1000	2	20	320	AMT801	620	110	170	8.1
PHS70-2400	70	2400	2	20	320	AMT801	620	110	170	9.9
PHS70-4000	70	4000	2	20	320	AMT801	620	185	170	13.7
PHS80-300	80	300	1	20	400	AMT801	320	110	170	6
PHS80-1000	80	1000	2	20	360	AMT801	620	110	170	8.1
PHS80-2400	80	2400	2	20	360	AMT801	620	110	170	9.9
PHS80-4000	80	4000	2	20	360	AMT801	620	185	170	13.7
PHS100-1000	100	1000	1	20	230	TX104	620	110	170	8.3
PHS100-2400	100	2400	1	20	230	TX104	620	110	170	10.1
PHS150-1000	150	1000	1	20	370	TX104	620	110	170	8.3
PHS150-2400	150	2400	1	20	370	TX104	620	110	170	10.1
PHS150-1000L	150	1000	1	20	370	AMT151	620	110	170	8.5
PHS150-2400L	150	2400	1	20	370	AMT151	620	110	170	10.3
PHS240-2400L	240	2400	0.7	20	460	AMT301	620	110	170	10.3



Name	Working press. MPa	Eff. oil vol. cm ³	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	J mm	K mm	L ø mm	P Press. conn.	R Return conn.
PHS60-2400	60	2400	620	170	110	80	127	575	68	84	93	14	6.6	G 1/4"	G 1/4"
PHS70-300	70	300	320	170	110	80	75	275	68	84	93	14	6.6	G 1/4"	G 1/4"
PHS70-1000	70	1000	620	170	110	80	75	575	68	84	93	14	6.6	G 1/4"	G 1/4"
PHS70-2400	70	2400	620	170	110	80	127	575	68	84	93	14	6.6	G 1/4"	G 1/4"
PHS70-4000	70	4000	620	170	185	166	179	545	68	84	93	14	6.6	G 1/4"	G 1/4"
PHS80-300	80	300	320	170	110	80	75	275	68	84	93	14	6.6	G 1/4"	G 1/4"
PHS80-1000	80	1000	620	170	110	80	75	575	68	84	93	14	6.6	G 1/4"	G 1/4"
PHS80-2400	80	2400	620	170	110	80	127	575	68	84	93	14	6.6	G 1/4"	G 1/4"
PHS80-4000	80	4000	620	170	185	166	179	545	68	84	93	14	6.6	G 1/4"	G 1/4"
PHS100-1000	100	1000	620	170	110	80	75	575	68	84	93	14	6.6	G 1/4"	G 1/4"
PHS100-2400	100	2400	620	170	110	80	127	575	68	84	93	14	6.6	G 1/4"	G 1/4"
PHS150-1000	150	1000	620	170	110	80	75	575	68	84	93	14	6.6	G 1/4"	G 1/4"
PHS150-2400	150	2400	620	170	110	80	127	575	68	84	93	14	6.6	G 1/4"	G 1/4"
PHS150-1000L	150	1000	620	170	110	80	75	575	68	84	134	14	6.6	G 1/4"	G 1/4"
PHS150-2400L	150	2400	620	170	110	80	127	575	68	84	134	14	6.6	G 1/4"	G 1/4"
PHS240-2400L	240	2400	620	170	110	80	127	575	68	84	134	14	6.6	9/16"-18 UNF	G 1/4"