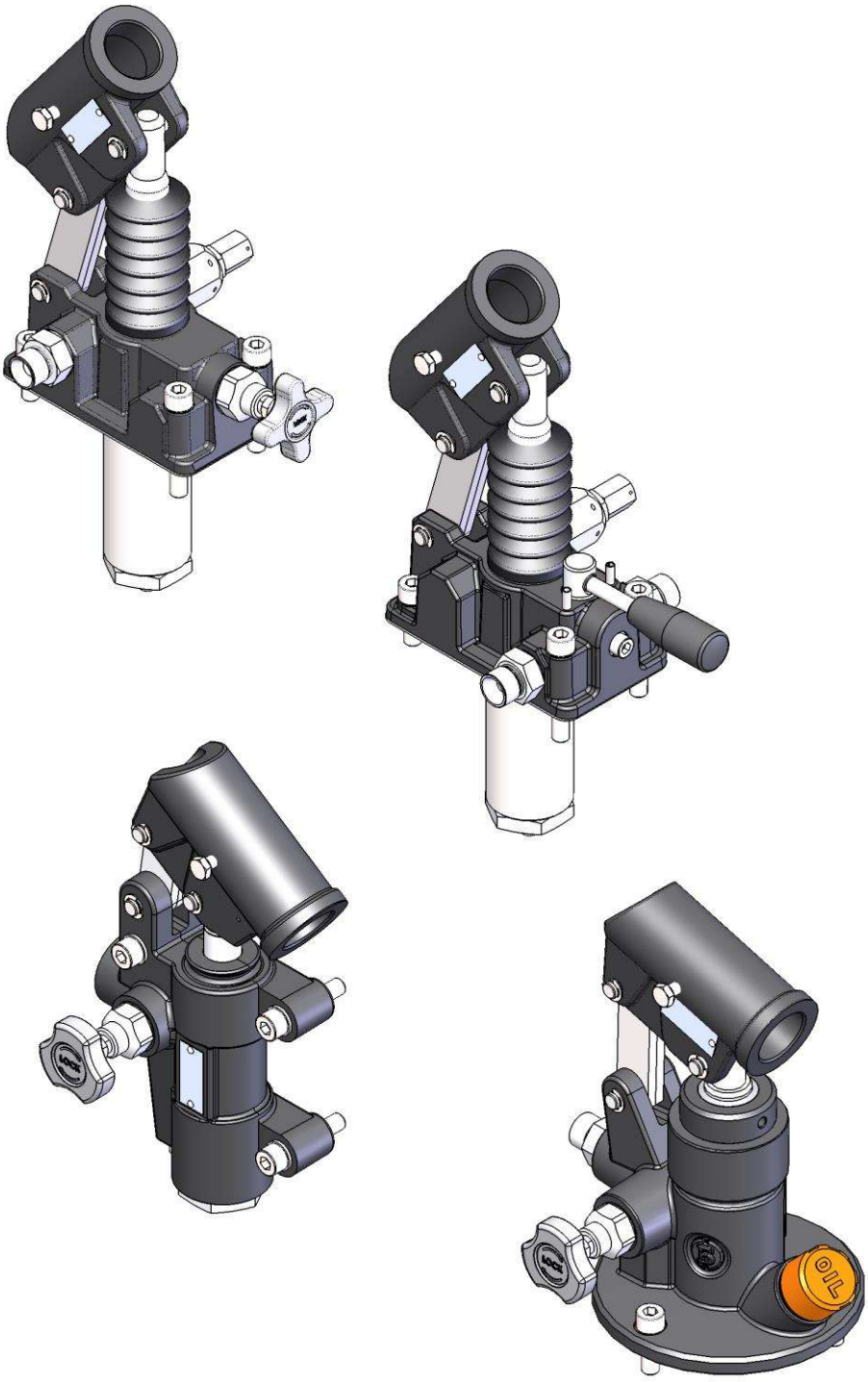
Piston type hand pumps



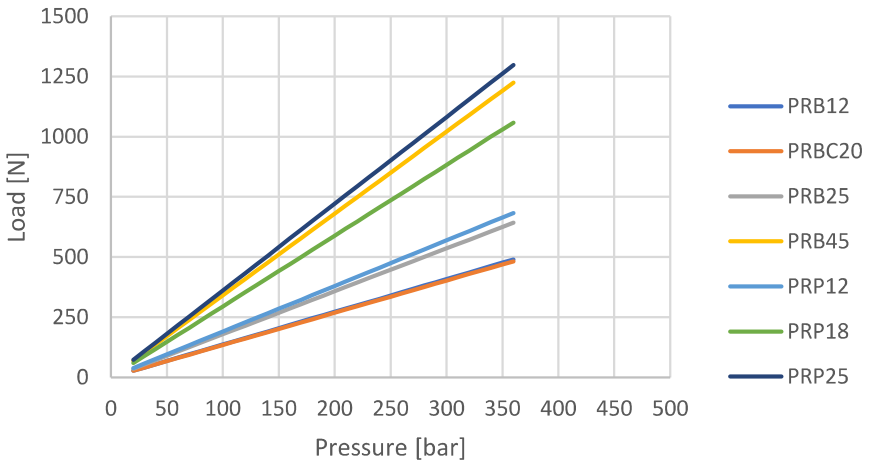
Badestnost
hydraulic components

Working conditions

Pump type	PRB(D)12	PRB(D)25	PRB(D)45	PRBC20	PRP12	PRP18	PRP25
Type	Double acting				Single acting		
Displacement	12 cm^3	25 cm^3	45 cm^3	20 cm^3	12 cm^3	18 cm^3	25 cm^3
	0.7 in^3	1.5 in^3	2.7 in^3	1.2 in^3	0.7 in^3	1.1 in^3	1.5 in^3
Max. pressure	380 bar	350 bar	280 bar	350 bar	300 bar	200 bar	160 bar
	5500 psi	5100 psi	4100 psi	4100 psi	4400 psi	2900 psi	2300 psi
Optimal pressure	220 bar	120 bar	80 bar	225 bar	160 bar	120 bar	80 bar
	3200 psi	1700 psi	1200 psi	1200 psi	2300 psi	1700 psi	1200 psi
Fluid	Mineral based oil (DIN51524)						
Fluid temperature (NBR seals)	from -25 °C to 70 °C				*from -13 °F to 158 °F*		
Viscosity (min.)	10 mm^2/s				*10 cSt*		
Viscosity (max.)	500 mm^2/s				*500 cSt*		
Max. level of contamination	20/18/15 - ISO 4406				*NAS 1683 - class 10*		
Ambient temperature	from -20 °C to 60 °C				*from -4 °F to 140 °F*		
Note - for different working conditions contact sales dept.							

Refernce standard					
		BSP	UN-UNF	Metric	NPTF
Thread according to		ISO 228/1	ISO 263	ISO 262	Ansi B1.20.3
		BS 2779	ANSI B1.1 unified		
Cavity dimension according to	ISO	1179	11926	9974-1	
	SAE		J1926	J2244	J476a
	DIN	3852-2 (Shape X or Y)		3852-1 (Shape X or Y)	

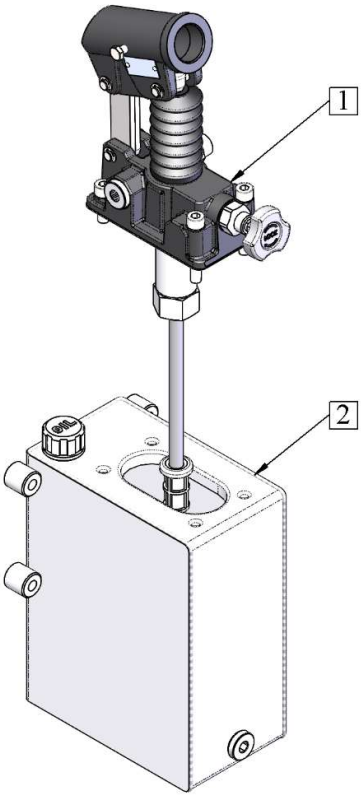
Load effort for 550 mm handle



Full order code (pump and tank)

PRB12 + RP3

1 2

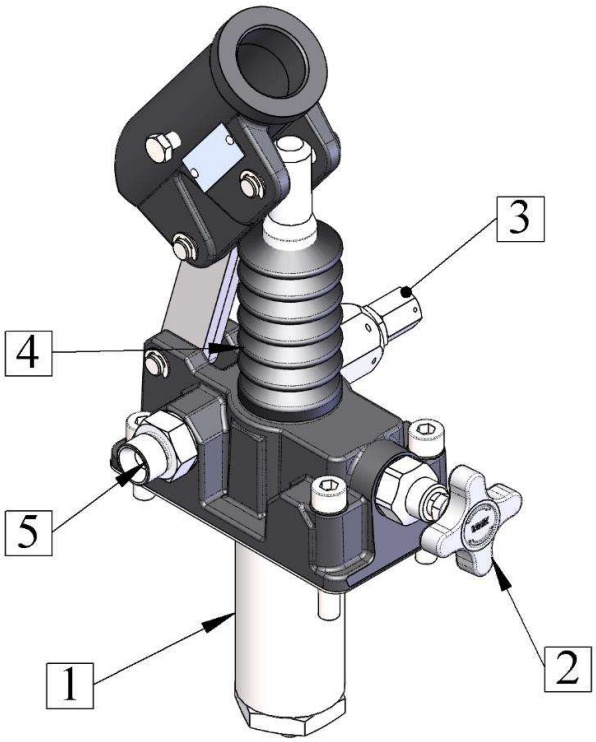


1. Pump (page 5)	
2. Prismatic tanks (page 8)	
RP1	1L tank
RP2	2L tank
RP3	3L tank
RP5	5L tank
RP7	7L tank
RP10	10L tank
3. Pump location with respect to the tank	
(180)	Pump rotated 180 deg

Order code

PRB12 / A - R - M - BP

1 2 3 4 6



1. Pump type	
PRB12/25/45	Double acting pump for single acting cylinders
PRBD12/25/45	Double acting pump for double acting cylinders

2. Release valve	
omit	3S handle of the release valve
A	4S handle of the release valve
E	without release valve

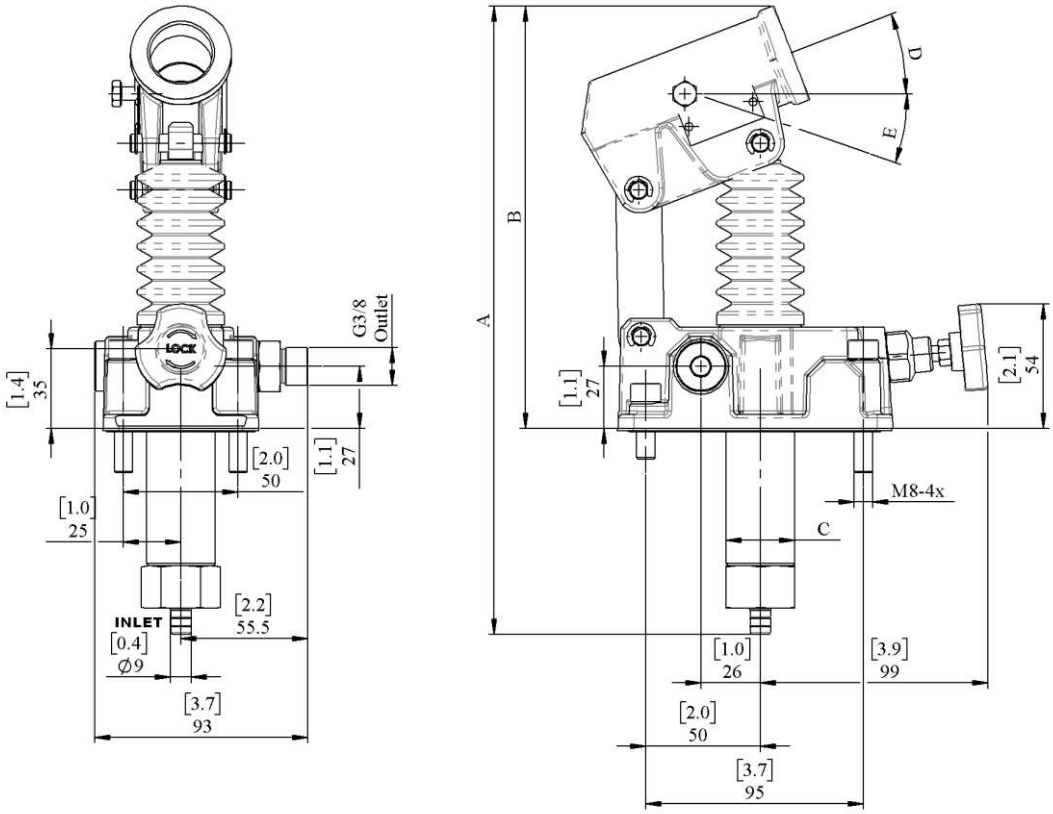
3. Relief valve (PRB/PRBD)	
omit	without relief valve
R	with relief valve (right side by default)
RL	with relief valve left side

4. Other	
M	Dust-proof flexible bellow

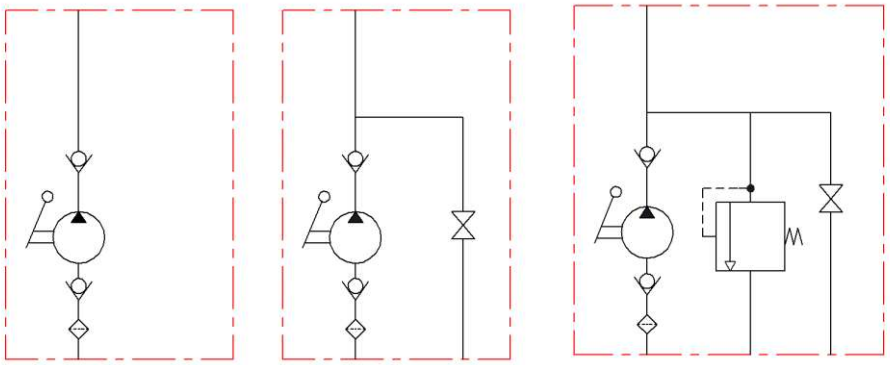
5. Stud connectors and reducers	
omit	Outlet stud G3/8 (60 deg cone)
12L	Outlet stud 12L (M18x1,5)
ad3/8NPTF	Outlet reducer 3/8NPTF
G1/4B	G1/4 Banjo
xA	no connector on pos. 2 (PRBD)
xB	no connector on pos. 1(PRBD)
12S	Outlet stud 12S (M20x1,5)

6. Additional options	
WoL	without 550 mm lever
WoF	without suction filter
BP	Black paint RAL9005

Dimensional data



Hydraulic schemes



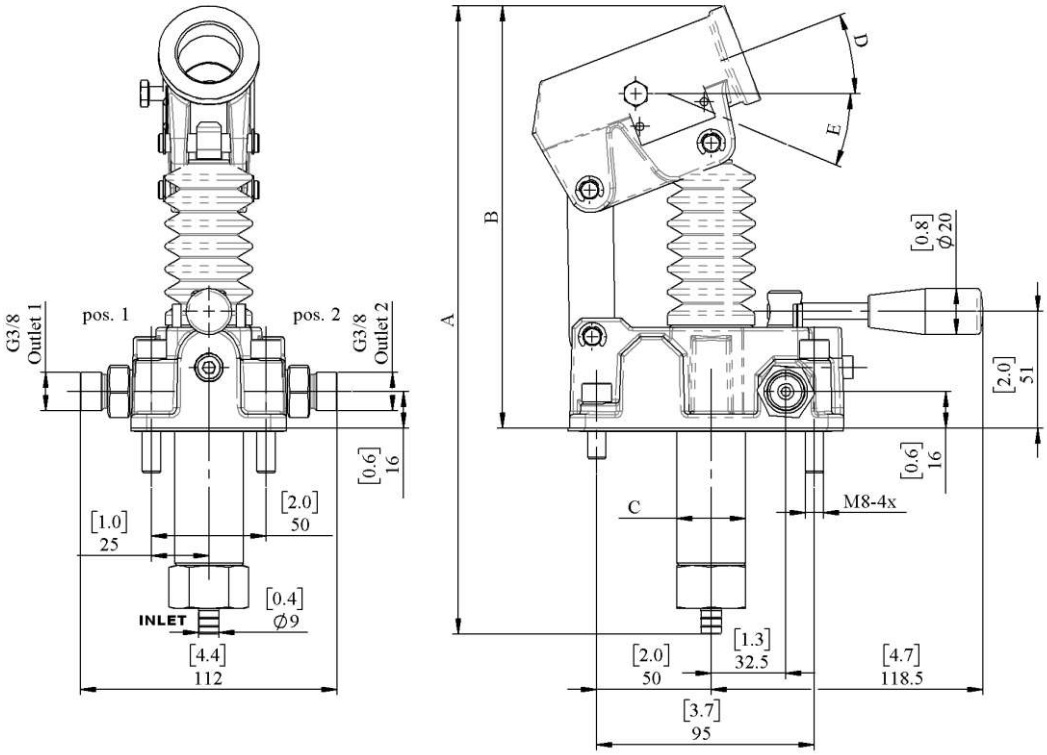
Without release and relief valve

Without relief valve

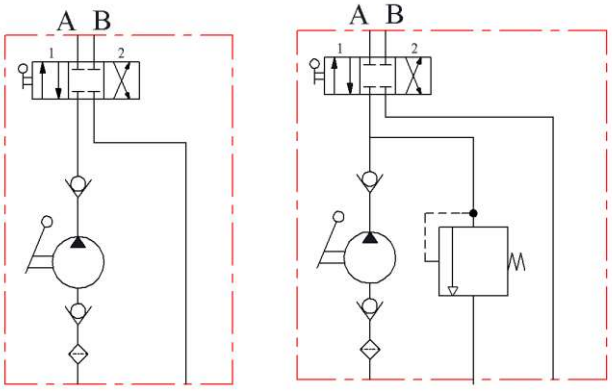
With relief valve

Type	A		B		C		D	E	mass	
	mm*	*in**						°	kg*	*lbs**
PRB12	274	*10.8*	184	*7.2*	30.0	*1.2*	21	20	4.0	*8.8*
PRB25	286	*11.3*	195	*7.7*	35.0	*1.2*	34	21	4.2	*9.3*
PRB45	307	*12.1*	200	*7.9*	40	*1.6*	53.0	25	4.5	*9.9*

Dimensional data:



Hydraulic schemes



Without relief valve

With relief valve

Type	A		B		C		D	E	mass	
	mm*	*in**						°	kg*	*lbs**
PRBD12	274	*10.8*	184	*7.2*	30.0	*1.2*	21	20	4.0	*8.8*
PRBD25	286	*11.3*	195	*7.7*	35.0	*1.2*	34	21	4.2	*9.3*
PRBD45	307	*12.1*	200	*7.9*	40	*1.6*	53.0	25	4.5	*9.9*