



Driving
TECHNOLOGICAL
EXCELLENCE

HYDRAULIC HAND PUMP

Hydraulic Hand Pump is a versatile and essential tool designed to generate hydraulic power using a manual handle. It is typically integrated into hydraulic power units and serves as a compact and reliable power source, particularly useful as a backup for electric or pneumatic pumps. Its robust construction and compact design ensure minimal handling effort, significantly reducing operator fatigue and enhancing operational efficiency.

TECHNICAL DATA

Maximum outlet pressure:

- ▶ Upto 690 Bar.G

Volume per stroke:

- ▶ 4 ML (Standard)

Handle force:

- ▶ 39 kg for 690 Bar.G

MOC:

- ▶ Body: 17-4 PH / SS316L
- ▶ Piston: 17-4 PH
- ▶ Piston housing and other parts: SS316L
- ▶ Piston seal: Polyurethane + NBR
- ▶ Piston housing and check valve nut seal: Viton
- ▶ Handle: CS / SS (1 Meter Long)
- ▶ Other materials on request

Feature:

- ▶ Built of sturdy stainless-steel body with detachable handle
- ▶ Customized process connections as per requirement
- ▶ Polyurethane Piston seal exhibits high pressure endurance
- ▶ Versatile device and compatible with various hydraulic fluid types
- ▶ Suitable for a wide range of applications, including hydraulic testing, pressure generation and fluid transfer in hydraulic power units
- ▶ Designed for easy maintenance with accessible components, reducing downtime and ensuring prolonged operational efficiency.

Temperature Rating:

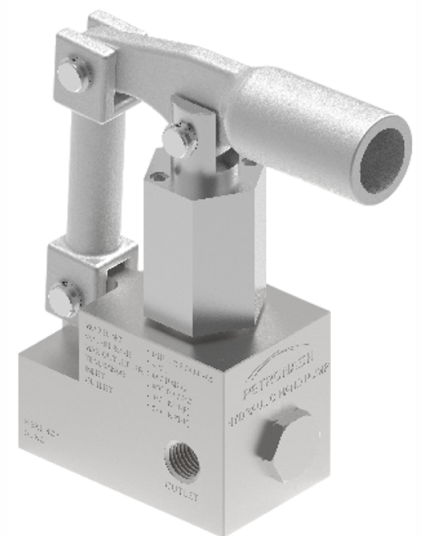
- ▶ -10°C to 100°C

Process Connection:

- ▶ Inlet connection: 1/2" NPT & 3/8" NPT
- ▶ Outlet connection: 3/8" NPT & 1/2" NPT
- ▶ Other connection sizes on request

Material certification:

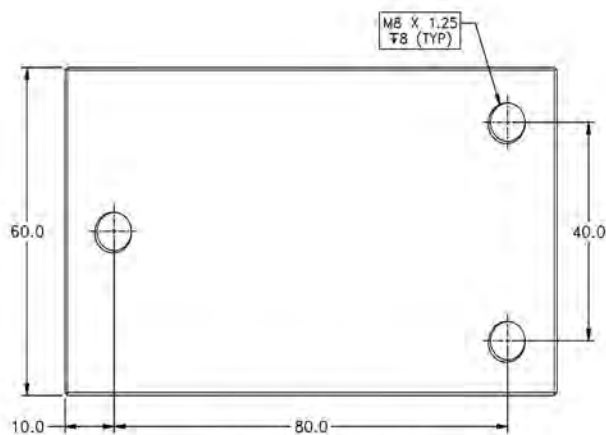
- ▶ 3.1 MTC as per EN 10204
- ▶ NACE MR0175 compliance is available on request.



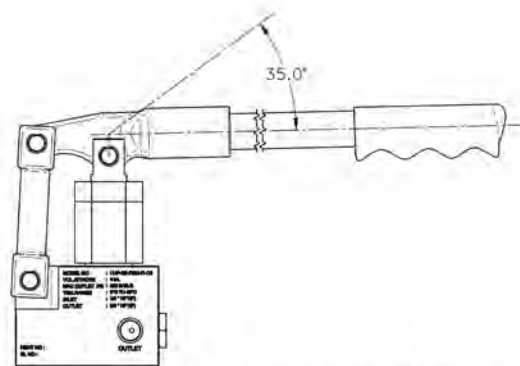
ORDERING INFORMATION AND MODEL DE-CODIFICATION

<div style="display: flex; justify-content: space-around; border: 1px solid black; padding: 5px;"> HHP SS P690 I1 O2 </div>				
DESCRIPTION	MOC	MAXIMUM OUTLET PRESSURE	INLET CONNECTION SIZE	OUTLET CONNECTION SIZE
Hydraulic Hand Pump	SS - Stainless Steel	P690-690 bar(g)	I1-1/2" NPT	O1-1/2" NPT
	Other Material on request		I2-3/8" NPT	O2-3/8" NPT
			Other connections on request	Other connections on request

MOUNTING ARRANGEMENT & OPERATING LEVER ANGLE MAXIMUM POSITION

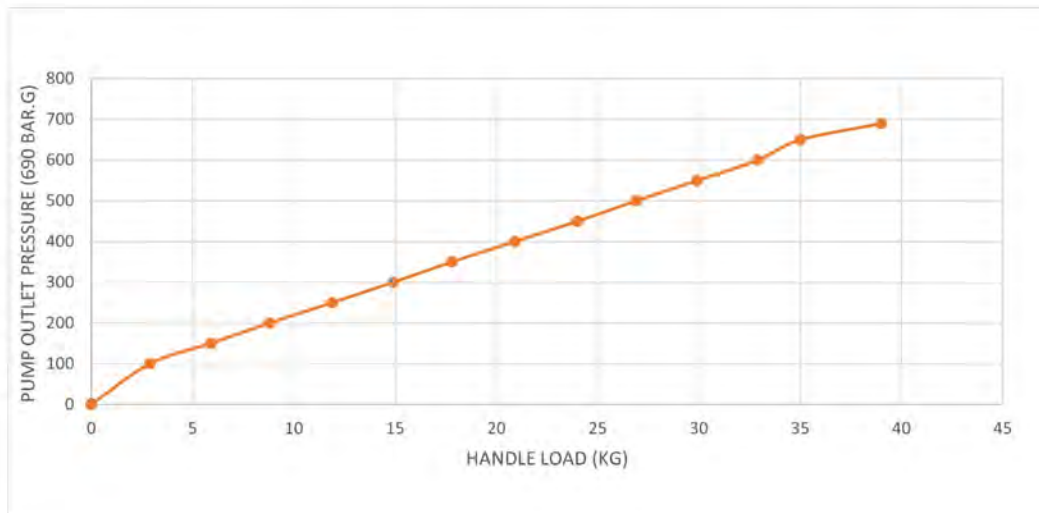


MOUNTING DETAILS



MAXIMUM ANGLE FOR OPERATING HANDLE

HANDLE LOAD VS OUTLET PRESSURE



HAND PUMP WITH RESERVOIR

Hydraulic hand pump with reservoir is providing flexibility to the user to build the pressure in the required location, the package consists of reservoir, level indicator, filler breather, handle & the caster wheel. The connection port provided to attach the pressure gauge to indicate the builded pressure in the outlet & similarly the drain valve provided to release the pressure and redirect the hydraulic oil to the reservoir.

TECHNICAL DATA

Maximum outlet pressure:

- Upto 690 Bar.G

Volume per stroke:

- Upto 50ml

Handle force:

- 41 kg for 690 Bar. G

Temperature Rating:

- -10°C to 100°C

Material certifications:

- 3.1 MTC as per EN 10204
- NACE MR0175 compliance is available on request.

MOC:

- Body: SS316L / 17-4 PH / A105
- Piston: 17-4 PH (HT)
- Piston housing and other parts: SS316L
- Piston seal: Polyurethane + Viton
- Piston housing and check valve nut seal: Viton
- Other materials on request

Process Connection:

- Outlet connection: 3/8" NPT
- Other connection sizes on request

Features:

- ▶ Typically designed to be portable, easy to transport and making it suitable for areas without electrical power
- ▶ Built of sturdy stainless-steel body with detachable handle
- ▶ A built-in reservoir ensures a consistent supply of hydraulic fluid to the system
- ▶ Suitable for a wide range of applications, including hydraulic testing, pressure generation and fluid transfer in hydraulic power units
- ▶ Designed for easy maintenance with accessible components, reducing downtime and ensuring prolonged operational efficiency



ORDERING INFORMATION AND MODEL DE-CODIFICATIONS

<div style="display: flex; justify-content: space-around; border: 1px solid black; padding: 5px;"> HHPR SS P100 02 50 </div>				
TYPE	MOC	PRESSURE RATING	OUTLET CONNECTION SIZE	RESERVOIR SIZE
HHPR - Hydraulic Hand Pump with Reservoir	SS - Stainless Steel	P100 - 100 bar(g) (Other ranges on request)	01-1/2"	50 - 50 Litres
	SS1 - 17- 4 PH		02-3/8"	
	Other Material on request		Other connections on request	Other volumes on request

Note: Customised models and materials are available based on requirements.

Above data are only for reference purpose and subject to change without any prior notice due to constant efforts on product improvement.



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