HAND PUMP
Model : HPTS 12 / HPTS 16 / HPTS 12-1000

Ref. No. D 04910TS
Release 12/2025

ENGINEERING - 1 of 2

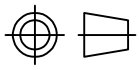
A Polyhydron Group Company

Description

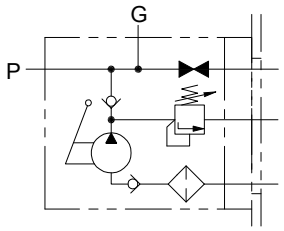
Hand pumps series **HPTS**** are identical in specifications to series **HP**** pumps, except that, these pumps are meant for mounting on the side wall of oil reservoir/ tank of a hydraulic system and therefore can be integrated into the main system as a stand-by pump, or can be used as a power source for cylinders or jacks which need large volume of oil for their actuation, by mounting them on side wall of suitably designed oil tank.
While positioning the pump on the tank side wall, it is important to see to it that the top of the mounting plate welded to the tank alway remains below the minimum oil level in the tank. The mounting plate is included in the scope of supply.

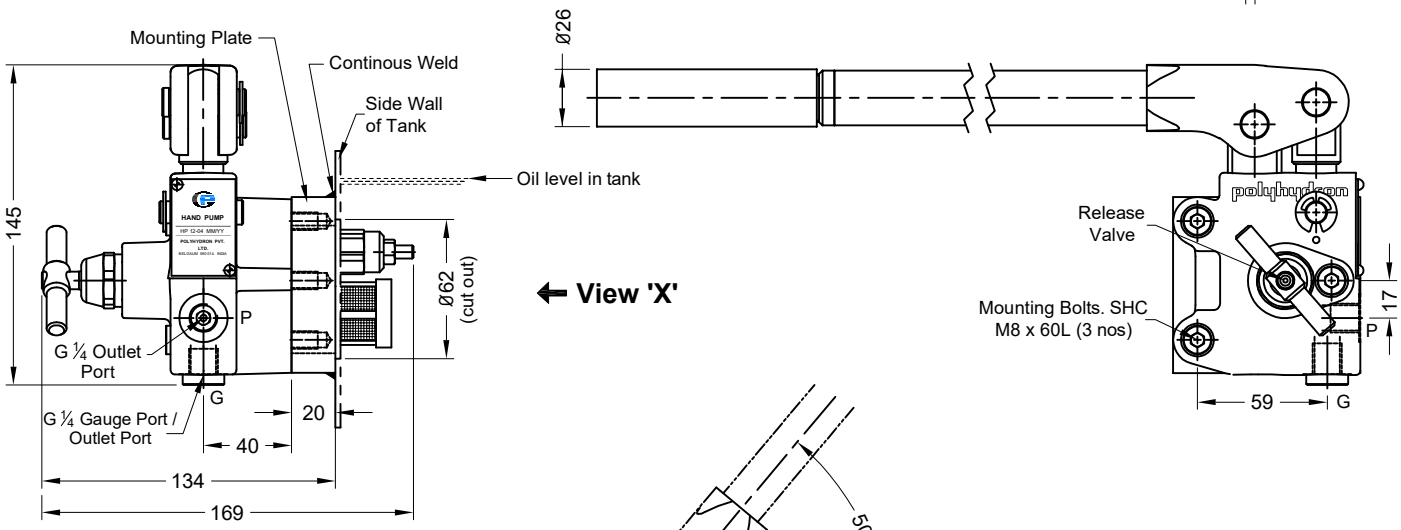
Unit dimensions

Dimensions in mm.

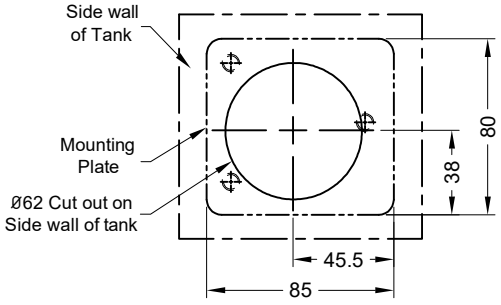


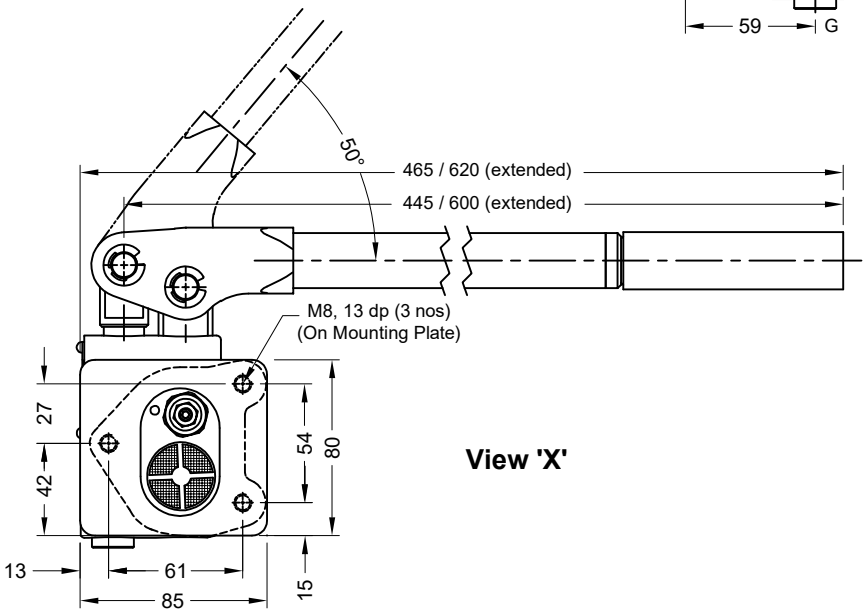
Hydraulic symbol





Details of Cut out on Side wall of Tank





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polyhydron pvt. ltd.
78-80, Machhe Industrial Estate,
Machhe, Belgaum - 590 014. INDIA.

Phone : +91-(0)831- 2411001
E-mail : sales@polyhydron.com
Website : www.polyhydron.com

Technical specifications

Construction ..... Sealed piston with ball type suction and delivery valve.
Hydraulic medium ..... Mineral oil.
Maximum working pressure..... Refer table no.1
Displacement..... Refer table no.1
Force required at the end of the hand lever
at max. pressure (Approx)..... Refer table no.1
Viscosity range ..... 10 cSt to 380 cSt
Fluid temperature range ..... -20°C to +70°C
Fluid cleanliness requirement ..... ISO 4406 20/18/15 or better.
Mass ..... Pump Cartridge only..... 8.6 Kg.
With Mounting Plate..... 9.4 Kg.

Table no. 1

Specification	Unit	HPTS 12	HPTS 16
Max. Working Pressure	bar	700	350
Displacement Capacity	cm^3/ stroke	2.8	5
Force required at the end of the hand lever at max. Pressure (Approx)	N	385	340

Ordering code

HPTS | 16 — 01

- HPTS: Hand Pump Tank Side Wall Mounting
- 16: Code
- 01: Design code subject to change. Installation dimensions remain same. for design code 01 thru 09.

Pressure (bar)	Displacement (cm^3/ stroke)	Code
700	2.8	12
350	5	16