



HAND PUMP Model : HP 12 AND HP 16

Ref. No. D 04910
Release 12/2025
ENGINEERING - 1 of 2

A Polyhydron Group Company

Description

Hand pump model HP12 and HP16 are compact heavy duty pumps designed for Industrial applications like operating small presses fixtures as well as providing source of oil for emergency applications.

These pumps can also be used at construction sites for operating jacks for repair work.

Hardened and ground piston and low friction high performance seal give the pump long service life.

The collapsible handle makes the pump easy to transport and reduce operating force when the handle is extended.

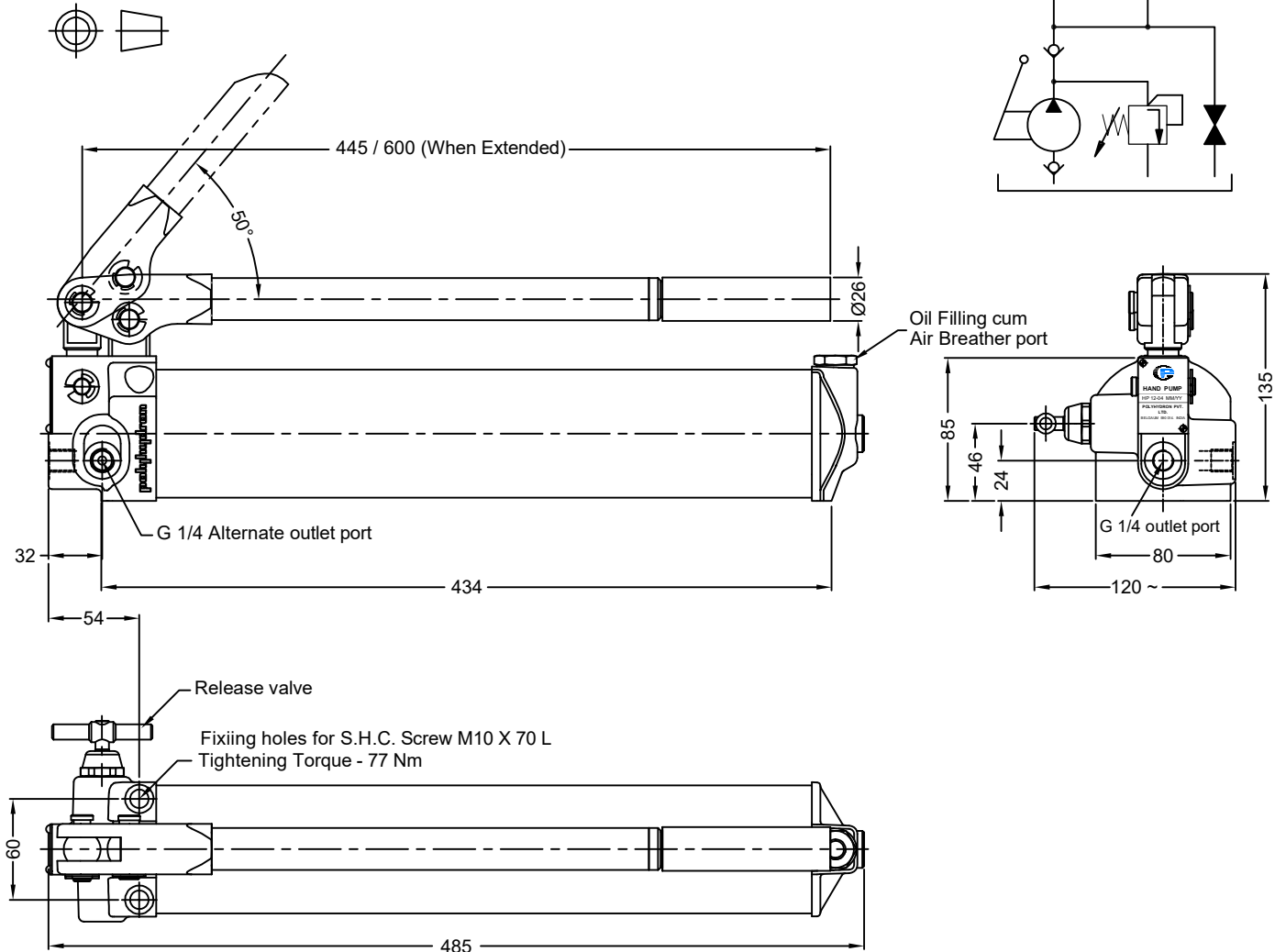
Special Air breather prevents airborne impurities from entering the tank, thereby enhancing the service life of the pump.

The pump can be supplied with extra large tank if needed.



Unit dimensions

Dimensions in mm.



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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 |
| Oil tank capacity..... | 1.22 L |
| Oil tank displacement..... | 0.8 L |
| Force required at the end of the hand lever at max. pressure (Approx)..... | Refer table no.1 |
| Vscosity 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 | With Oil 8.7 kg Without Oil 7.7 kg |

Table no. 1

| Specification | Unit | HP12 | HP12-1000 | HP16 |
|---|-------------------------|------|-----------|------|
| Max. Working Pr. | bar | 700 | 1000 | 350 |
| Displacement Capacity | cm ³ /stroke | 2.8 | 2.8 | 5 |
| Approx. hand force required at rated pressure, when the hand lever is fully extended. | N | 385 | 550 | 340 |

Ordering code

