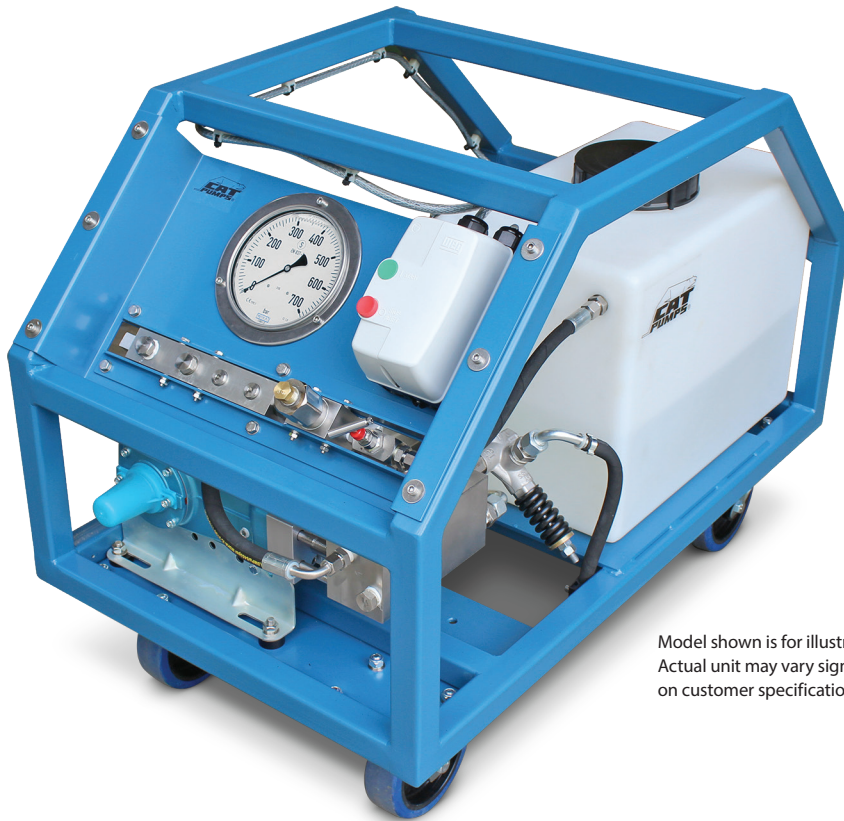


Mobile high-pressure pump package designed for hydrostatic pressure testing

The HTU from Cat Pumps is a compact mobile high-pressure system utilising the highly-reliable and long-lived Cat Pumps high-pressure plunger pump. The HTU can be used for testing of pipelines, delivery hoses, valves, heat exchangers and other pressure related components.



Model shown is for illustrative purposes only. Actual unit may vary significantly depending on customer specification.

Features:

- Cat Pumps high-pressure plunger pump
- Pressures ranges up to 689 bar
- Choice of three-phase or single-phase motor
- Pressure regulating valve
- Pressure relief valve
- Calibrated pressure gauge
- Pressure release valve
- 25 or 50 litre plastic water tank

Benefits:

- Highly reliable, low energy consuming, easy to service pump
- Low noise operation
- Mobile and compact design
- Corrosion resistant wetted components and hoses
- Robust frame design
- Sturdy wheels

Hydrostatic Pressure Test Unit Operation

The Cat Pumps Hydrostatic Pressure Test Unit (HTU) comprises of a high-pressure pump and motor/gearbox assembly. An inbuilt 25 litre (or 50 litre) water supply tank feeds the high-pressure pump which in turn feeds a high-pressure distribution manifold which incorporates a pressure regulator and an easy to read calibrated pressure gauge. The HTU has an inbuilt pressure relief valve that will prevent the unit from achieving pressures in excess of the system design. An incorporated pressure release valve allows the pressurised water to be released back to the supply tank after a hydrostatic pressure test has been completed.

Please see table below for typical examples of HTU designs.

PUMP MODEL	FLOW RATE (LPM)	MAXIMUM PRESSURE (BAR)	MOTOR USED (KW)
3CP1130	7.6	152	3
5CP3120	15	241	7.5
700	14.7	345	10

Other HTU designs are available to suit specific applications and can include the following options:

- Single or 3 phase motor supply voltages.
- 2, 4 or 6 pole motor speeds.
- Direct mounting with bell housing and coupling.
- Motor with gearbox.
- Pressure transducer and/or digital readout.

⚠WARNING

All systems require both a primary pressure regulating device (i.e. regulator or unloader) and a secondary pressure safety relief device (e.g. safety valve, pop-off valve etc.). Failure to install such relief devices could result in personal injury or damage to the pump or to system components. Cat Pumps does not assume any liability or responsibility for the operation of a customer's high pressure system.

Contact Cat Pumps for more information on HTU possibilities.

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