

Model CP577 Portable High Pressure Pneumatic Hand Pump



The CP577 uses a unique dual stage pump design where a low pressure, high volume chamber is used to pre-charge a secondary high pressure chamber. This allows the pump to reach high pressure quickly and with a minimal amount of effort. The pump motion stays smooth through the entire stroke. A precise Vernier control allows pressure to be fine turned with high resolution. The Vernier chamber provides enough range so it can be used to generate low pressure 500mbar with no pumping.

The Model CP577 is a portable high pressure pneumatic hand pump that can generate pressures up to 140bar and vacuum to -0.9bar quickly and easily.

KEY FEATURES

- Generate 95% vac. to 140bar by hand
- Only needs 30 seconds to quickly generate pressure from zero to 140bar
- Precision Vernier allows fine adjustment at both high and low pressures
- Vent valve offers precise control and vents at the pressure connection to prevent pump contaminates
- Extremely rugged design, with stand up to field use
- Isolation valve protects pump and increases fine control range
- Hand tight pressure connector
- Use as a portable or bench-top pump

SPECIFICATION

- Pressure range: 95% vacuum to 140bar (vacuum is based on local barometer pressure)
- Pressure connection: M20x1.5 Female (1/4BSP, 1/4NPT)
- Ram/adapters material: 316SS
- Body material: Steel/ Aluminum
- Seals material: Buna-N
- Dimension: 470 mm x 262 mm x 170 mm
- Net weight: 5.5kg

APPLICATION

- High pressure calibration where hydraulic pumps are not preferable
- Eliminate the need for nitrogen cylinders or use as back-up to nitrogen
- Complete flow computer calibration solution for custody transfer applications
- Bench-top gauge comparator
- General pneumatic calibration

SCOPE OF DELIVERY

- User Manual
- Seals and O rings (one bag)
- Carrying case (CP577-X-SET only)

OPTIONAL ACCESSORIES AND SERVICES

- Adapter kits (P/N: 1551)
- Flexible hose (P/N: HOSE-60)
- Pneumatic filter (P/N:1552)
- Carrying case for CP577 pneumatic pump (P/N: 1570-577)
- Maintenance kit for CP576A/576B/CP577 (P/N: 57X-MK)

ORDERING MODEL NUMBER

CP577	Portable High Pressure Pneumatic Hand Pump	
	M	M20*1.5 female
	B4	1/4" BSP female
	N4	1/4" NPT Female
	SET	With Carrying case
	Blank	Without carrying case
Model	Connector	Carrying Case