

# P250 hydraulic hand-held pressure pumps



## Features

- low cost
- light in weight
- portable
- rugged construction

## Description

BCM P250 hand-held pressure pump takes use of hydraulic fluids (such as transformer oil) as the pressure media. Within 0 ~ 250 bar pressure range, the pump can be used to calibrate a variety of pressure instruments, such as pressure transmitters, pressure sensors and pressure gages. The pump can also be used as a standard pressure source for manufacturers to test pressure instruments.

The pump is portable, handy and easy to use. There is a finer-adjuster on the pump for a fine adjustment of the output pressure. The pump can be connected to a master pressure gage and the instrument to be calibrated with the supplied connectors and high pressure hose. With these accessories, a fast and easy calibration of the pressure instrument can be performed in the industrial field or in a workshop.

## Construction and Working Principle

BCM P250 ( see [sketch](#) ) hydraulic handpump is constructed with two hand-grips, a piston, a glass-cylinder, a pump cover with a built-in vent-valve, an oil-release handle, and the finer-adjuster. With the oil-release handle, one can open and close the oil-release valve. A master gage can be connected to the pump with a female thread connectors, while the pressure instrument can be connected to the pump through a high pressure hose for the calibration. By pressing and releasing the hand-grips repeatedly, a pressure in a range of 0 ~ 250 bar, can be generated which is tunable with the finer-adjuster. The output pressure can be adjusted with the finer-adjuster for a precise pressure. To completely release the pressure, twist off gradually the vent-valve.

## Specifications

pressure medium: liquid  
output pressure: 0 ~ 250 bar  
operating temperature: 0 ~ 50 °C  
operating relative humidity: < 100%  
high pressure hose connector: M20 x 1.5 or 1/2 NPT, male  
master gauge connector: M14 x 1.5 or 1/4 NPT, female  
dimensions: 280 x 160 x 150  
weight: = 0.8 kg