

CONST 113 Low Pressure Calibration Pump



(0-±6psi)

DESCRIPTION

The CONST113 Low Pressure Calibration Pump is a hand operated pressure pump designed to generate either vacuum to -6 psi (-0.4 bar) or pressures to 6 psi (0.4 bar). A high-quality screw press is designed for fine pressure adjustment, with adjusting resolution up to 0.01 Pa (0.0001 mbar). To reach the pressure stability as high as possible during the micro-pressure calibration, an isothermal bellows chamber is designed for reducing the possible heat effects such as environmental temperature change. Without non-returning valve that is usually used in "trouble-maker" hand pump, CONST113 has minimal maintenance required.

FEATURES

- > Portable
Only 3.5 lb
- > High resolution
 - 0.01Pa (0.0001 mbar)
 - Specially designed screw press for fine pressure adjustment
- > Great Stability
 - Isothermal chamber: the pressure chamber is insulated to reduce the influence from environmental temperature changes.
 - Specially designed bellows minimize leakage to guarantee excellent stability
- > Durable and Minimal Maintenance
Without non-returning valve that is usually used in "trouble-maker" hand pump.

> Easy-to-use

Pressure could be set and adjusted precisely and quickly through a simple turn of the handle

> Finger-tight Connectors

Using your fingers to connect and disconnect gauges quickly and easily without the need for PTFE tape or wrenches

APPLICATIONS

The CONST113 is an ideal comparison test pump for low pressure application.

SPECIFICATION

> Media

Media.....Air

> Pressure

Vacuum Pressure.....-6psi

Positive Pressure.....6 psi

Pressure resolution.....0.01 Pa(0.0001mbar)

> Material

Ram/Adapters.....SST

Body.....SST/Aluminum

Seals.....Buna N (nitrile)

> Dimensions

Height (overall).....145mm (5.7")

Base.....245mm (9.65") x 165mm (6.5")

Weight.....1.6kg (3.5lbs)

ORDERING INFORMATION

CONST113 --- M

Model

Pressure port type:

M- M20X1.5 Female

N- 1/4NPT Female

X- other Female connector