

ConST 181A Bench-top Hydraulic Pump (oil media)



(-13.5psi~15,000psi)

DESCRIPTION

CONST181A Hydraulic Pressure Pump is a hand operated pressure pump designed to generate pressure either 90% vacuum or 15,000 psi (1000 bar). With the patented screw press technology, the high pressure can be easily generated, increased and decreased smoothly. A specially designed shut-off valve makes the pressure stability as high as possible during calibration. Without non-returning valve that is usually used in "trouble-maker" hand pump, CONST181A has minimal maintenance required. Two finger-tight connectors installed on the pump allow the user using fingers to connect and disconnect the reference gauge and devices under test quickly and easily without the need for PTFE tape or wrenches.

FEATURES

> High pressure

Generated pressure up to 15,000 psi (1000 bar)

> Good for calibrating large chamber pressure gauges

With specially designed shut-off valve, high pressure could be reached through repeat pumping.

> Durable and Minimal Maintenance

Patented screw press technology, without non-returning valve inside that is usually used in "trouble-maker" hand pump.

> Easy-to-use

The high pressure can be generated easily, increased and decreased smoothly.

> Extremely low leakage

Patented screw press technology, rather than "easy-to-leak" non-returning valve in hand pump.

> Finger-tight Connectors

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

APPLICATIONS

The CONST181A is an ideal comparison test pump for calibrating ultra-high pressure measuring instruments against test gauges, indicators or transducers in the laboratory.

SPECIFICATION

> Media

Media.....oil

> Pressure

Vacuum Pressure.....-13.5 psi

Positive Pressure.....15,000psi

> Material

Ram/Adapters.....SST

Body.....SST/Aluminum

Seals.....Buna N (nitrile)

> Dimensions

Height (overall).....230mm (9.1")

Base.....360mm (20.5") x 520mm (14.2")

Weight.....16kg (35.5lbs)

ORDERING INFORMATION

CONST181A --- N

Model

Pressure port type:

M- M20X1.5 Female

N-1/4NPT Female

X- other Female connector