

# USER MANUAL SCREW PUMP

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## SCREW PUMP SP

#### **INTRODUCTION:**

The screw pump creates both pressure & vacuum, this crew pump can be used along with analog and digital instruments for calibration and testing purpose, being compact in nature, the screw pump can be portable.

#### **STANDARD ACCESSORIES:**

Flexible hose with adopter for connecting the master and test instrument.

**User Manual** 

#### **SAFETY INSTRUCTIONS**

- Do not give any external pressure to the screw pump.
- Do not use pump with water or oil
- Pressure release valve must be open condition when the pump not in use
- Do not remove instrument, hose and connector when pump under pressure.
- > Do not use screw pump, if it is defective, It may create personnel injuries.
- > Do not build up pressure without pressure measuring instrument.

#### **SPECIFICATION**

Range : Generation of Pressure : 1 bar

Generation of Vacuum: 0.5 bar

Medium : Air

End Connection: 1/4" BSP (F) & 1/8" BSP (M)

Weight : 650 grams

#### **OPERATION OF PUMP:**

- Connect master and test instrument to the pressure port and of pump with suitable adaptor and seal at respective port.
- > To generate pressure, turn the release valve anticlockwise (open) and turn the pressure generator knob anticlockwise to the last thread. Close the release valve;
- ➤ Turn the pressure generator knob clockwise until the required pressure. Turn the same knob clockwise or anticlockwise to increase or decrease the pressure respectively.
- > To generate vacuum, turn the release valve anticlock (open) and turn the vacuum generator knob clockwise to the last thread. Close the release valve.
- Furn the pressure generator knob anticlockwise until the required vacuum reached. Turn the same knob clockwise or anticlockwise to increase or decrease the vacuum respectively.
- Open the release valve and disconnect the master instrument and test instrument from pump