

# JAPSIN INSTRUMENTATION

**Ji**



**ISO 9001:2015 CERTIFIED ORGANISATION  
COMPLETE RANGE OF FLOW, LEVEL,  
TEMPERATURE & PRESSURE INSTRUMENTS**



## **LOW RANGE PRESSURE & VACCUM PUMP WITH STAND & ISOLATION VALVE**



### **PRINCIPLE**

It is a screw type pump used to Measure Low Pressure or Vacuum. It has got two main parts. One Cylinder and A piston with Pushing Screw and Rotating Knob (4)  
When we Rotate the Knob in the Clock wise Direction Pressure Increases and if was Rotate the Knob in the Anti Clock wise Direction Minus Pressure / Vaccum Develops

### **PROCEDURE**

To Generate Pressure Rotate The Knob in the Anti Clock Direction until full Thread of the Piston Push Rod Appears Outside the Cylinder. Put the Master Instrument at Position

- (1) And put the Instrument To be Calibration at Position
- (2) Using the Extension Cable Provided. Close the Release Valve
- (3) And Start Rotating the Knob in the Clock wise Direction until you reach the Required Pressure To Measure Vacuum Keep the Release Valve Open and Rotate the Knob in the Clock wise direction Until the full Length of the Piston push Rod in-side the Cylinder. Put the Master Instrument And the Instrument to be Tested at the Appropriate Positions close the Release Valve and Rotate the knob in the anti Clock wise Direction Until you Required the Vacuum.

Item	Low Range Pressure Calibrator With Stand & Isolation Valve
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<b>Make</b>	<b>"Ji" Japsin Instrumentation</b>
<b>Model No.</b>	<b>JI-LVP-IV-10</b>
Accuracy	+/- 0.5% FSD
Description & operation	<ul style="list-style-type: none"> <li>• Light weight pressure cum vacuum Pump</li> <li>• Pressure &amp; vacuum can be generated <b>with screw turns by hand</b></li> <li>• Generates pressure up-0.95 to 10 Kg/cm<sup>2</sup> / Bar/ mmWc</li> <li>• Turn screw anticlockwise for generating vacuum up-to -1 Kg/cm<sup>2</sup> / Bar.</li> <li>• ¼" BSP (F) adopter for gauges to be tested.</li> <li>• Side zero adjuster knob</li> </ul>
Accessories	<ol style="list-style-type: none"> <li>1) Extension Cable</li> <li>2) 1/4" BSP (M) X 3/8" BSP (F) - 1 No.</li> <li>3) 1/4" BSP (M) X 1/2" BSP (F) - 1 No.</li> <li>4) Nylon washers for 1/4", 3/8" &amp; 1/2" connection</li> </ol>