

YWQ-1431
Pneumatic Pressure Pump

Operating
Instructions

Xi 'an Xin Instrument Technology Co. LTD

YWQ-1431 Desktop Manual Pneumatic Pressure Source

I .Instructions for security:

In order to protect your product, please read the following safety notes before using this device. Please these security instructions are placed on the site of this product and strictly obeyed.

➤Do not disassemble the equipment privately:

The internal parts of the private disassembly device will cause personal damage or completely damage to the equipment. If the device is out the customer service staff of the company can be called by an abnormality.

➤If the equipment is not used for a long time,please store it with pressure:

Please storage with pressure if the device is not used for a long time, please close the check valve, just use the hand pressure pump to pre -press twice.The pressure is unstable. If this happens, please call our customer service staff, and it will be guided by it resolving.

➤Do not test "oil pressure gauge" on the equipment:

On this device, the water pressure gauge will leave the accumulated water inside the device, resulting pressure and other faults are also easy to leave residual oil inside the table, resulting in pollution.

➤You can only check the pressure gauge on this device:

Notes:

1. Without the prior written permission of the Company, any content of the relevant manuals attached to this product shall not be reproduced or transmitted in any way.
2. The Company reserves the right to change the information contained in the Manual at any time without prior notice.

II .Product Introduction:

1. The gas pressure source is composed of hand pressure pump, pressure pump, globe valve return valve and pressure output interface as a whole solidified structure. The product structure is reasonable, the individual is relatively light, has good sealing performance, stable pressure boost, fast pressure boost, labor saving, simple operation and other advantages, is the ideal replacement of piston pressure source products.

Technical parameters:

1.Pressure range:

YWQ-1431A:(-0.1~4MPa) MPa

YWQ-1431B:(-0.1~6MPa) MPa

YWQ-1431C:(-0.1~10MPa) MPa

2.Stability: 0.05%F • S

3.Working medium: Air

4.Output port: within M20*1.5

5.Dimensions: 430mm*300*mm*330mm

III.Equipment composition



1:Hand pressure pump

2:Secondary pressure pump

3:Change Valve

4:Stop valve valve (right valve)

5:Pressure output

6:Return check valve (left valve)

IV. Functional description

Hand pressure pump

1. Repeatedly lift, press down, drive the pump body piston, to achieve pressure boost.

Secondary pressure pump

1. When the pressure regulating valve is spinned, the pressure value is increased, and the pressure value is reduced when the rotation.

2. After stabilizing the pressure, you can use the "Microregulating valve".

Change Valve

1. Push to the left for positive pressure, push to the right for negative pressure.

Stop valve valve (right valve)

1. When the positive pressure is increased to more than 1.6MPa and the booster is increased to 6 MPa, the globe valve is closed, and the performance is stable and ideal.

Return check valve (left valve)

1. Get pressure is must shut down.
2. After unscrewing can quickly reduce the pressure value.

V. Operation Instructions

1. Place the equipment in the horizontal position, remove the pressure outlet wire plug;
2. The standard table or digital table is connected to one of the pressure outlets, the other pressure outlet reception inspection table;
3. The pressure pump out, until the rotation does not move;
4. Calibration pressure gauge zero, record data;
5. unscrew the return check valve, open the stop valve:
6. Repeatedly lift and press the hand pressure pump, the pressure rises to about 0.8MPa, stop the pressure;
7. Then screw in the pressure regulating valve to reach the required pressure value; Over 1.6 MPa, close the right stop valve;
8. By spinning out the pressure pump (you can also use the check valve) to reduce the pressure to the required pressure, and then by adjusting the pressure valve to stabilize the pressure value, you can record the data;
9. By parity of reasoning, the pressure value is stabilized at 5MPa, 4MPa, 3MPa, 2MPa and other recorded data;

10. Unscrew the stop valve and return valve, completely release the pressure, record the data and remove the check table;

1) Test negative pressure gauge

a. Push the reversing valve to the left for negative pressure, push to the right for positive pressure;
b. When testing negative pressure, the pressure regulating pump does not need to be rotated out. Lift the hand pressure rod up and down to the pressure value, rotate out the pressure pump to stabilize to the pressure value of the whole point, the whole point verification, such as pressure gauge verification;

VI. Matters need attention

1. There should be no water quality, corrosive substances and other impurities in the access standard table and calibrated instrument, otherwise the performance and service life of the equipment will be affected;
2. When removing the pressure gauge, the system must be in the zero pressure state;
3. The pressure source is strictly prohibited from mixing with other oils;
4. If the pressure can not be added, the reason is that the "O" ring in the quick joint is damaged, and the "O" ring of 9*2.65 should be replaced in time;