

SINTEK

HAND PRESSURE HYDRAULIC PRESSURE PUMP

— BMPC

I : Technical Parameter

Pressure measuring medium:
pure water or special oil (choose one of two)
Use temperature: 0 ~ 50 °C
Dimensions: 3 0 0 × 2 2 0 × 1 8 0 (length × width × height)
Instrument weight: 3.9 kg
Pressure range: 0 ~ 1 0 / 1 6 / 2 5 / 4 0 / 6 0/70MPa

II: Precautions

- The pressure pump should be used within the rated pressure range as much as possible, and overpressure greater than the maximum range of 10 MPa is prohibited;
 - When it needs to be transported or carried, you must use a plug to lock the quick connector, close the [pressure relief valve] ⑦, the pressure rod
Put it in the lowest position, [Pressurization and fine-tuning]⑥ are all screwed in;
 - If the pressure measuring medium is contaminated, please replace it in time;
 - During use, the liquid level of the pressure measuring medium shall not be lower than the filter position in the liquid storage cup;
 - The lever is pressurized and the application force is uniform; all handles and joints cannot be operated with excessive force;
 - After long-term use, the thread part should be coated with an appropriate amount of grease. If there is any pollution, please clean it up in time;
 - For long-term storage, it should be in a dry, non-corrosive gas, and sun-proof environment.
- * When the pressure is higher than 20 MPa or more, the [stop valve] ④ is in the closed state; if pressure relief operation is required, please open the
Open the [pressure relief valve] ⑦, and then open the [shutoff valve]④ to relieve the pressure

III: Check Step

- Connect the calibration table to the calibration interface ① and the calibrated table to the pressure test interface ②;
Keep the table clean and dry.
 - Screw out [liquid injection mouth cap] ③, add 3/4 pressure measuring medium to the liquid storage cavity; Reinstall the upper liquid injection port cap;
 - Open [Shut-off valve] ④, close [pressure relief valve] ⑦, [Pressurization and fine-tuning] ⑥ Reverse needle all out;
 - Hold [Pressurized handle] ⑤ lift up and press back to build pressure 10 times left and right, open [pressure relief valve] ⑦ exhaust;
 - Close [pressure relief valve] ⑦, hold [Pressurized handle] ⑤ lift up and press down to the required pressure value close
- 【 Shut-off valve 】 ④, along the needle rotation 【Pressurization and fine-tuning】 ⑥ to the required value; (Recycle [Pressurized handle] ⑤, must open the [Shut-off valve] ④) when the pressure reaches 5 ~ 10M P A, close the [Shut-off valve] ④, make
With [Pressurization and fine-tuning] ⑥ pressure increase check highpressure range;
- Check back,turn [Pressurization and fine-tuning] ⑥ counterclockwise to check the pressure drop point by point. When the pressure drops to 10~20MPa, first open the [Shut-off valve]④, and then slowly open the [pressure relief valve]⑦ to the required value
 - After checking the bundle, open [pressure relief valve] pressure relief, unload the calibration table can be completed this time of inspection.

IV: Shape Structure



NO.	DESCRIPTION	FUNCTION
1	Standard table interface	For connecting a standard pressure gauge (thread size M20X1.5)
2	Pressure test interface	Connect the calibrated pressure instrument interface (thread size M20X1.5)
3	Liquid injection mouth cap	Filling the pressure measuring medium into the liquid storage cup and exhausting the function
4	Shut-off valve	Cut off the connection between the pressurizing pump and the detection part to keep the measurement part stable
5	Pressurized handle	Lifting and pressing down
6	Pressurization and fine-tuning	Supercharging/precise adjustment of applied pressure
7	Pressure relief valve	Unscrew to release the pressure in the pump
8	Drain pipe	The pressure relief valve is opened to discharge the pressure measuring medium, and the pipe head is inserted into the liquid injection port if it is not discharged.
9	Filter	Filter the dirt on the output end and enter the pressure making system (clean it regularly according to the situation)

V: Common Problems & Solutions

PHENOMENON	REASONS	PROCESSING METHOD
Do not press up when pressing the handle	1. The pressure relief valve knob is not tightened	1. Tighten the pressure relief valve
	2. The sealing ring in the quick connector falls off	2. Reinstall or replace with a new seal
	3. The globe valve is not open	3. Open the shut-off valve
Minor leak	1. The quick connector is not tightened	1. Tighten the threaded joints everywhere
	2. The sealing ring is worn or aged	2. Replace with a new sealing ring
	3. The knob of the pressure relief valve is not tightened	3. Tighten the pressure relief valve

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