

Lubrication Equipment

- DR4-5 Grease Valve -

INDICATION

DR4-5 Series Features:

- Auto control, directional switching valve
- Presetting pressure from 0~20Mpa, easily adjustment
- Reliable operation and pressure control, replace pumps to:
DRB-P ; HB-P(L) ; DRB-L Lubrication Pumps
- Contact us for custom design
- Testing standard JBZQ Technology standard

Grease Directional Valve DR4-5 Series

**HUDSUN
INDUSTRY CO., LTD**
Making Your  Machine Most Effective



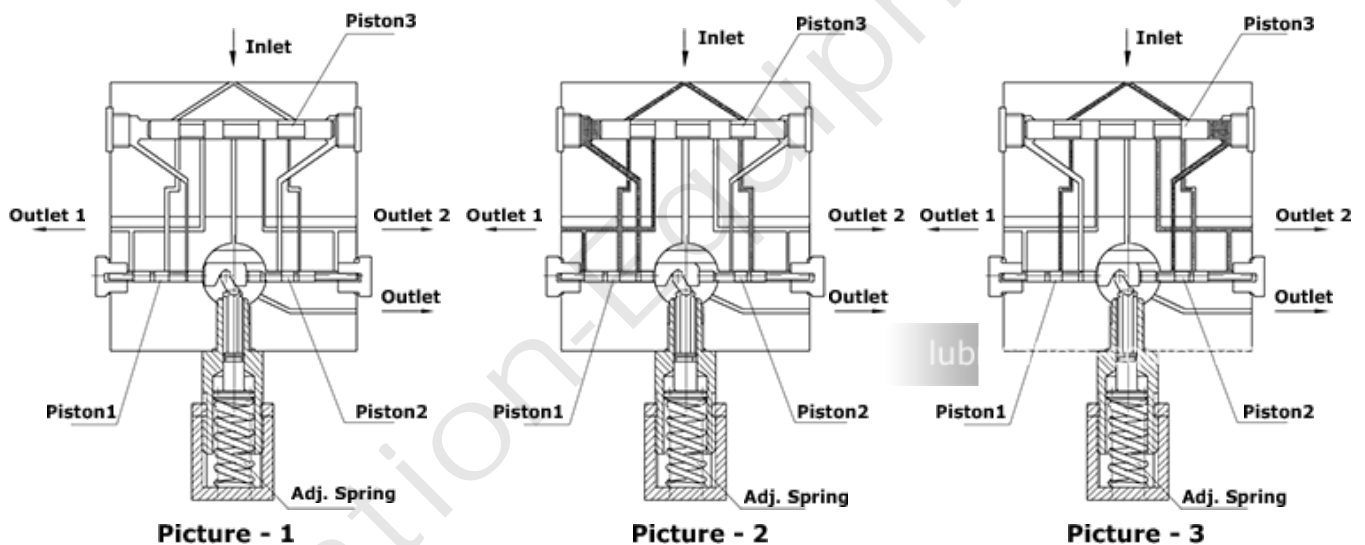
Characteristics of Product: ▼

Auto lubrication directional valve DR4 series is used for the electric terminal type centralized lubrication system, the lubrication pump transfers the lubricant to the two main supply pipes, the valve comes with pressure regulating function and can automatically adjust the direction of the set pressure from 0 ~ 20Mpa, and easy to adjust, the structure of auto lubrication directional valve DR4 is simple, reliable working operation.

Ordering Code & Technical Data: ▼

Model	Pressure Range	Presetting Pressure	Applicable Systems		Available Pumps
			Loop Type	Spray	
DR4-5	3.5~20Mpa	10.5Mpa	Yes	Yes	DRB-P、HB-P(L)、DRB-L

DR 4-5 Working Principle: ▼



The pressure regulator spring forced by the block on the piston 1 to make the piston 1 on the left side of the valve house in the chamber channel of auto lubrication directional valve DR4 (Shown Picture-1), the piston 1 and the piston 2 are respectively connected through with the oil outlet 1 and the oil outlet 2.

The pressure oil enters the two cavities of the piston 3 (Shown Picture-2) from the oil inlet port, in which the pressure oil in the left chamber flows out through the oil outlet port 1 and the pressure oil acts on the left end of the piston 3 through the piston 1 internal cavity in the right side of the valve house, then the piston 3 keeps on the right side of valve house, while the right side of piston 3 come across with oil return port. The right side of the cavity pressure oil is sealed by the piston 2, when the left end of the piston 1 (outlet pressure) to overcome the force of the spring on the piston, the piston 1 to the left side, while the piston 2 to the left as well.

When the piston 1 and piston 2 move to the right end of the valve house (Shown Picture-3), the left side of the piston 3 is connected with the oil return port, and the pressure oil acts on the right side of the piston 3 through the inner cavity of the piston 2, pushing the piston to the left side of the valve house. At this time, the pressure oil in the right cavity of the piston 3 flows out through the oil outlet 2, and the pressure oil at the left end is sealed by the piston 1.

When the pressure (outlet pressure) of the right end of the piston 2 overcomes the action of the spring against the piston, the piston 2 is shifted to the right and the piston 1 is shifted to the right. When the piston 1 and piston 2 move to the left end of the valve house, the right side of the piston 3 is connected with the oil return port, and the pressure oil acts on the left side of the piston 3 through the inner cavity of the piston 1, pushing the piston to the right to the right of the valve house (Shown Picture-1), to complete a work cycle.

Note: If detecting the switching condition of the lubrication directional valve, you can install a switching signal sender on the valve, when the high-pressure oil transfers from the "oil port 1" to "oil port 2", the valve piston movement, the contacts in the signal sender are closed, and when the piston is moved in the reverse direction, the contacts are disconnected and the transmitter can be connected to the controller or the monitoring device as required.

In addition, the operator with a transparent tube on the transmitter can be observed directly to the movement of the indicator rod.



INTERNATIONAL LUBRICATION EQUIPMENT

HUDSUN INDUSTRY CO., LTD

No.3 Factory Building, 118 ZhenNingXi Road,
Zhenhai, Ningbo City, Zhejiang Province, 315221 China
Tel: +86-574-86303599
Fax: +86-574-86303380
<http://www.lubrication-equipment.com>