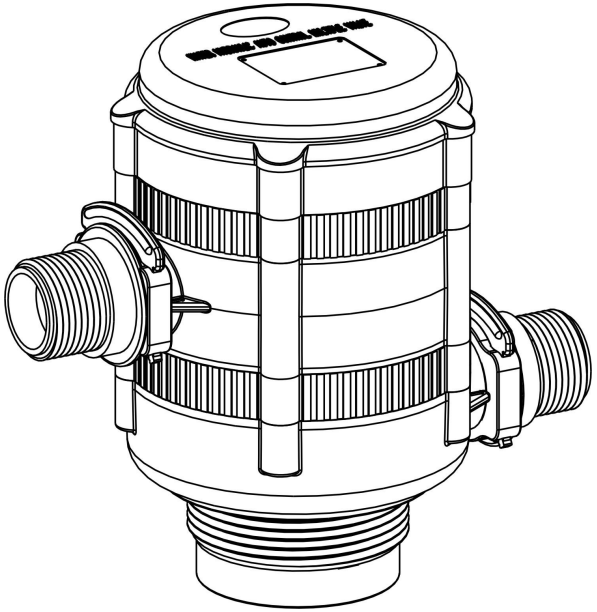
WGL4

Hydraulic automatic filter valve

MODEL、ADJUST、INSTALL

Scanned electronic version is the latest



I、Working principle

The WGL4 hydraulic control valve converts water flow into work position parameters and switches power output to the backwash shaft and the product water shaft. The rotational speed of the shaft serves as the flow parameter, and the shaft torque serves as the switching power of the valve. Through the crank, pawl, ratchet and CAM combined pilot valve, it controls the closing of several conical main valves to achieve the automatic cycle of **B.WASH**, **RINSE** and **FILTRATION** of the filter valve. All parameters are flow controlled. During **B.WASH**, **RINSE**, the bypass of the raw water is uninterrupted for normal subsequent water use. No power supply, and no wear on the seal. It is widely applicable to the control of sand filters, carbon filters and other water purifiers. It is not afraid of sun exposure or rain. No need to learn, set up or repair. According to the raw water and requirements, the **Periodic wheel** can be replaced when necessary.

II、Model and parameter

MODEL	Flow rate (M^3/H)	B. wash or Wash water (L)	Tank diameter (Inch)	Periodic wheel and production (M^3)		
				1/4	1 /2 (Default)	1 /1
WGL4-40	3. 5~7. 8	40	≤8	3. 22	6. 44	12. 88
WGL4-80		78	9~13	6. 28	12. 56	25. 12
WGL4-160		161. 7	≥14	12. 92	25. 84	51. 68

Usage conditions

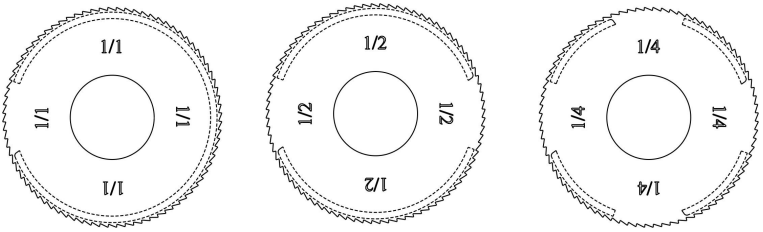
1. A filter (≥60 mesh) must be installed for the incoming water to prevent internal malfunctions.

2. Inlet water pressure: 0.08 to 0.6MPa;

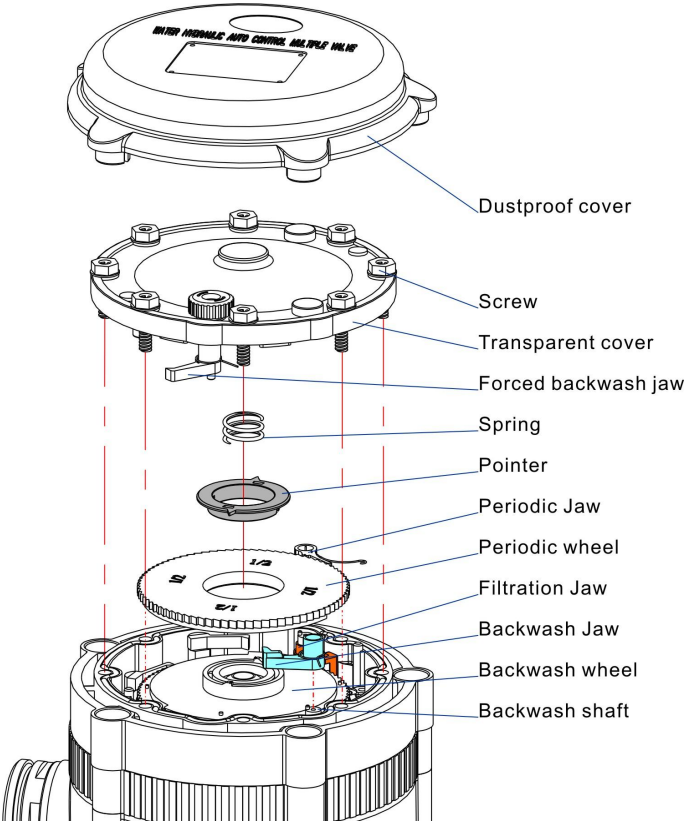
3. Water temperature T: 0° C to 50° C;

4. Floor drains or trenches must be installed around the equipment to prevent accidental water leakage from flooding the floor or indoor items.

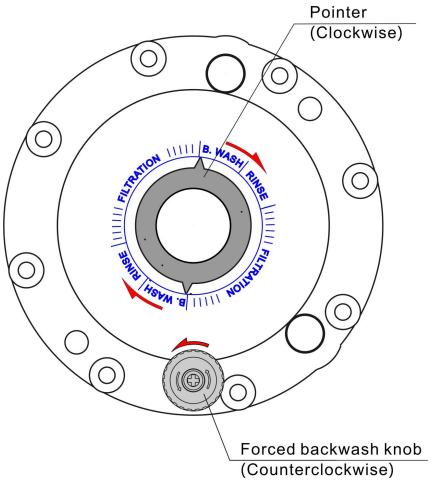
III、Periodic wheel



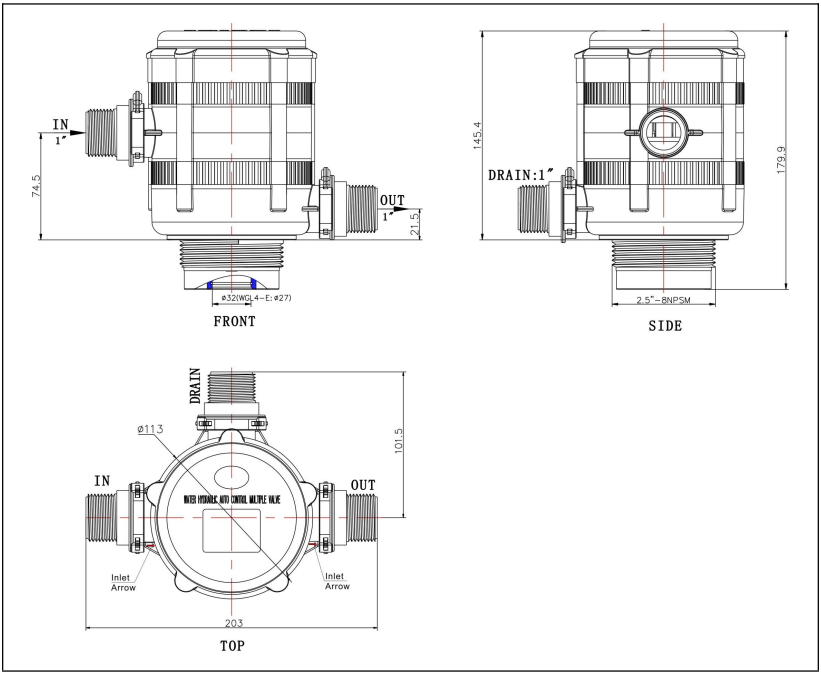
IV、Periodic wheel exchange



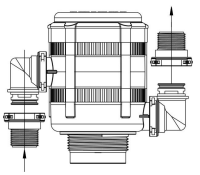
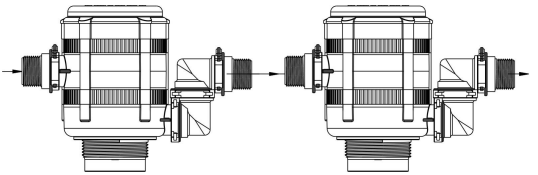
V、Forced backwash



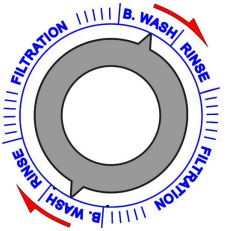
VI、Geometric size

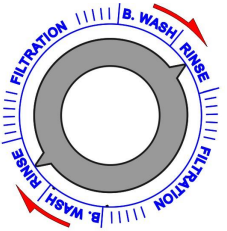


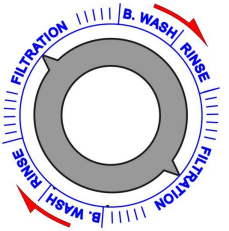
VII、Universal joint

 Single tank （Any direction）	 Double tank （Series installation）

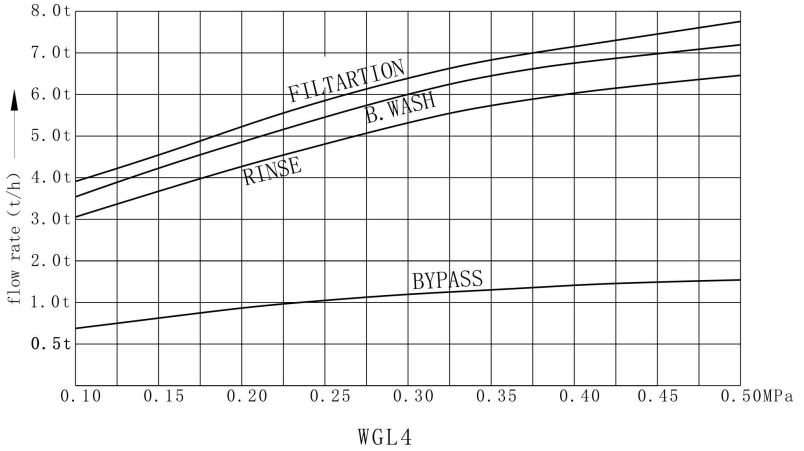
VIII、Working station







IX、Flow pressure curve



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