

## Solenoid On-Off Control Valve (W-600X-25C)

### ◆ Application:

The Watts W-600X Solenoid On-Off Control Valve is designed to remote control and switch the pipeline system. The closing speed of the valve is adjustable. It's generally used in building services, water treatment, etc.

### ◆ Features:

1. Opening and closing without friction;
2. Modularization structure;
3. Reliable sealing performance;
4. Easy to operate;
5. Wide application scope.



### ◆ Operating Principles:

When the valve supplies water from the inlet, the water flows into the main valve control room through the needle valve, when the solenoid pilot valve opens, the water in the control room flows out through solenoid pilot valve and ball valve. The opening degree of ball valve is greater than the needle valve, the pressure in the main valve control room is very low, the main valve is in the fully open status. When solenoid pilot valve closes, the water in the main valve control room can't flow out, the pressure in the control room increases, pushing the diaphragm to close the main valve.

### ◆ Technical Specification:

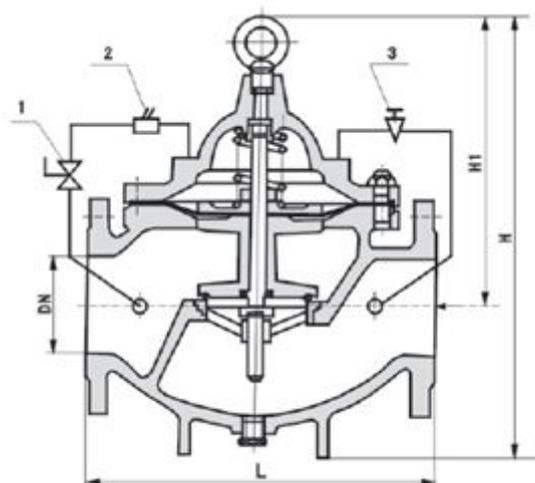
Nominal Diameter:	DN50~DN450
Nominal Pressure:	PN25
Working Temperature:	0°C~80°C
Fluid Medium:	Water
Minimum Different Pressure:	0.1MPa
Control Voltage:	Direct Current 24V; Alternating Current 220V
Working status:	Normally Open / Close Type
Design Standard:	JB/T 10674-2006
Test Standard:	GB/T 13927-2008

### ◆ Material:

Part	Body	Bonnet	Pilot Valve	Connecting Pipe
Material	Carbon Steel Coated with Epoxy	Carbon Steel Coated with Epoxy	Copper	Copper / Stainless Steel

### ◆ Installation Dimensions:

Connection Dimension: GB/T 9113;



1.Small Ball Valve 2.Solenoid Valve 3.Needle Valve

DN	50	65	80	100	125	150	200	250	300	350	400	450
L	203	216	241	292	330	356	495	622	698	787	914	978
H1	300	288	310	340	380	410	440	460	480	516	560	560
H	395	385	420	500	540	575	665	720	750	830	900	900

\*Please contact the local salesmen if the size  $\geq$ DN450 are needed.

#### ◆ Typical Application:

1. Water plant and water source project;
2. Environmental protection;
3. Municipal facilities;
4. Electric power and utilities;
5. Construction industry.

#### ◆ Installation Instructions:

- (1) The valve's rated parameters should match the equipment's. Make sure that the valve's rated flow satisfies the actual demand;
- (2) The installer must be trained or experienced so as to operate the installation correctly;
- (3) A thorough check after installation is needed to ensure no errors;
- (4) A thorough cleaning before installation is needed (chemical reagent can be applied if it is necessary) to ensure that there is not any rusting or dirt in the pipe. All the filters must be removed before washing to keep the pipe smoothly open;
- (5) When beginning to wash the system, it is suggested to install the valve on a temporary pipe. After finishing system cleaning, move the valve back and install it on the system's pipe;
- (6) This product should not be used when the fluid medium has high viscosity (contains much grease or mineral oil), or under corrosive circumstances;
- (7) Use flange and the corresponding bolts that meet the standard to connect the valve;
- (8) The direction of flow must accord with the direction of the arrow head on the valve body;
- (9) For the size below DN200, the main valve can be installed horizontally or vertically, but horizontal installation is better. The size above DN200 only can be installed horizontally.