

Air Vent Valve (W-PQ21X-16T)

◆ Application:

The Watts W-PQ21X Air Vent Valve is designed to use for discharging excess gas in the pipeline, ensuring the safety of the pipeline. It's generally used in heating system, etc.

◆ Features:

1. Using lever type sealing structure;
2. Small volume, light weight, simple and reliable structure;
3. Large range of working pressure.

◆ Operating Principles:

In the status of exhaust, the floater pulls down one end of the lever because of the gravity, at this moment, the lever is in the tilt state, gap appears between the lever and gas vent, and air exhausts through the vent in the gap. With the air discharge, water level rises, the floater floats up under the effect of the buoyancy of water, the seal face on the lever presses the vent. Until the vent is completely blocked, air vent valve is completely in a closed state.

◆ Technical Specification:

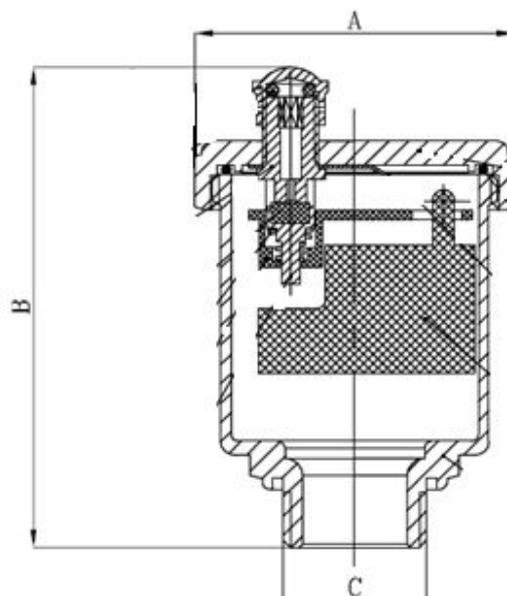
Nominal Diameter: DN15~DN25
 Nominal Pressure: PN16
 Working Temperature: 0℃~110℃
 Fluid Medium: Water
 Test Standard: GB/T 13927-2008

◆ Material:

| Part | Body | Bonnet | Sealing | Floater |
|-----------------|-------|--------|---------|---------------|
| Material | Brass | Brass | EPDM | Polypropylene |

◆ Installation Dimensions:

Connection Dimension: GB/T 7306.1



| | | | |
|----------|------|------|-----|
| Size(DN) | 15 | 20 | 25 |
| A | Φ46 | Φ46 | Φ55 |
| B | 70 | 72 | 93 |
| C | 1/2" | 3/4" | 1" |

◆ Typical Application:

1. Independent heating system;
2. Central heating system;
3. Heating boiler;
4. Central air-conditioning;
5. Floor heating;
6. Solar heating system.

◆ 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 threaded connector that meets the standard to connect the valve;