Walfront 798382224748 or 763741603786

User Manual: DN20 Adjustable Brass Water Pressure Reducer Valve with Gauge Meter

Brand: Walfront | Model: 798382224748 or 763741603786

Product Overview

The Walfront DN20 Adjustable Brass Water Pressure Reducer Valve is designed to regulate water pressure in various plumbing systems. It features a robust piston structure for durability and includes a gauge meter for accurate pressure monitoring. This valve helps protect your plumbing fixtures and appliances from high water pressure, ensuring their longevity and efficient operation.

- **Space-saving Design:** No bypass pipe required, simplifying distribution and saving space.
- **Easy Installation:** Can be easily installed in front of most tap water equipment.
- **Free Pressure Adjustment:** Features a pressure adjustment knob on the top cover for easy customization of output pressure.
- **Robust Piston Structure:** Ensures durability and strong environmental performance.
- **High Pressure Tolerance:** Withstands pressure of up to 1.6mpa for reliable performance.

Components and Features

Figure 1: The DN20 Brass Water Pressure Reducer Valve with its integrated pressure gauge, showing the main body and the attached meter.

Figure 2: The pressure reducer valve body shown separately from its pressure gauge, highlighting the two main components.

Figure 3: A composite image showing four different views of the pressure reducer valve, including top, side, and angled perspectives.

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Video 1: An official product video showcasing the Walfront Water Pressure Regulator Reducer, demonstrating its features and appearance.

Installation and Setup

Proper installation is crucial for the optimal performance and longevity of your pressure reducer valve. It is recommended to have this installed by a qualified plumber if you are unsure about any steps.

1. **Preparation:** Ensure the main water supply is turned off before beginning installation. Drain any remaining water from the pipes.
2. **Location:** Install the valve in front of the equipment or system where pressure regulation is desired. Ensure there is sufficient space for maintenance and adjustment.
3. **Orientation:** Observe the flow direction arrow marked on the valve body. Install the valve so that the water flows in the direction indicated by the arrow.
4. **Connection:** Connect the valve to your plumbing system using appropriate fittings. The valve features DN20 (G 3/4") female iron pipe connections. Use thread sealant tape (PTFE tape) on all threaded connections to ensure a watertight seal.
5. **Gauge Installation:** Screw the pressure gauge into the designated port on the valve body. Ensure it is hand-tightened, then use a wrench for a final snug turn, being careful not to overtighten.
6. **Leak Check:** Slowly turn on the main water supply. Inspect all connections for leaks. If leaks are detected, turn off the water supply, tighten the connections, and re-check.

Operating Instructions

The pressure reducer valve allows for easy adjustment of the output water pressure.

1. **Initial Pressure Reading:** Once installed and water supply is on, observe the pressure reading on the gauge. This indicates the current regulated output pressure.
2. **Adjusting Pressure:** To adjust the pressure, locate the adjustment knob on the top cover of the valve.
    - Turn the knob **clockwise** to **increase** the output pressure.
    - Turn the knob **counter-clockwise** to **decrease** the output pressure.
3. **Monitor Gauge:** As you turn the knob, observe the pressure gauge to set the desired output pressure. Make small adjustments and allow the system to stabilize before making further changes.
4. **Optimal Pressure:** Consult your appliance manuals or local plumbing codes for recommended water pressure settings. Typically, household water pressure is regulated between 40-60 PSI (2.7-4.1 bar).

Figure 4: A detailed close-up of the pressure gauge, showing the various pressure units (kPa, bar, kg/cm², PSI) for accurate reading.

Maintenance

Regular maintenance ensures the continued efficiency and reliability of your pressure reducer valve.

- **Periodic Inspection:** Periodically check the valve and connections for any signs of leaks, corrosion, or damage. Address any issues promptly.
- **Pressure Verification:** Occasionally verify the pressure reading on the gauge to ensure it remains at your desired setting. Readjust if necessary.
- **Cleaning:** If the valve or gauge becomes dirty, wipe it with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Sediment Check (if applicable):** While this model is designed with a robust piston, some pressure reducers may have a screen that can collect sediment. If you experience reduced flow or inconsistent pressure, consult a professional to check for internal blockages.

Troubleshooting

If you encounter issues with your pressure reducer valve, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Water Leaks from Connections	Loose connections, insufficient thread sealant, damaged fittings.	Turn off water supply. Tighten connections. Reapply thread sealant if necessary. Replace damaged fittings.
No Pressure Reduction	Valve installed backward, internal obstruction, faulty valve.	Check flow direction arrow. Turn off water and inspect for debris. If problem persists, valve may need replacement.
Inconsistent Pressure / Pressure Fluctuations	Air in the system, sediment buildup, external system issues.	Bleed air from the system. Check for sediment. Consult a plumber if external factors are suspected.
Pressure Gauge Not Working	Gauge not properly installed, faulty gauge.	Ensure gauge is securely screwed in. If still not working, the gauge may be faulty and require replacement.

If the issue persists after attempting these solutions, please contact a qualified plumber or the manufacturer's support.

Specifications

Feature	Detail
Brand	Walfront
Model Number	798382224748 or 763741603786
Material	Brass
Product Dimensions	0.39 x 0.39 x 0.39 inches; 15.2 ounces
Inlet Connection Type	Female Iron Pipe (DN20 / G 3/4")
Maximum Operating Pressure	1.6 MPa (approximately 232 PSI)
Valve Type	Piston Valve
Number of Ports	1
Country of Origin	China
Date First Available	June 15, 2018

Warranty and Support

For specific warranty information and technical support, please refer to the product packaging or contact Walfront customer service directly. Keep your purchase receipt for warranty claims.
You can often find support contact information on the manufacturer's official website or through the retailer where the product was purchased.