

### 1. Pre-installation

#### **Verification of model and service media/temperature/pressure limits**

Verify the model number, set pressure, and spring range on the nameplate against the order.

For European service, verify the "CE" mark has been stamped on the nameplate. Verify that the system pressure will not exceed the maximum inlet pressure marked on the nameplate.

### 2. Handling

This pressure regulating valve is designed to automatically reduce a high initial inlet pressure to a lower delivery pressure. The valve should be handled with care, not subjected to heavy shock loads, and protected to prevent contamination getting inside. It should be installed in accordance with industry standards and local codes. Failure to do so could result in property damage or serious injury to personnel.

### 3. Installation

1. Always wear proper safety equipment, including safety glasses.
2. It is highly recommended that a strainer is installed upstream of the valve.
3. The valve should be installed in the horizontal position with the spring chamber upright. If another mounting position is required, please consult the factory.
4. For ease of operation and maintenance, it is suggested that manual shut-off valves be installed upstream and downstream from the valve.
5. Before installing the valve, the piping and valve should be thoroughly flushed out to remove any foreign material.
6. Install the valve with the inlet pipe fitted to the inlet connection identified on the valve body.
7. For threaded valves, to prevent sealing compound from entering and damaging the valve, apply a small amount of pipe thread sealing compound to external threads only. Do not put any sealing compound on the first thread or on any internal threads, as doing so may cause the sealing compound to enter the valve and cause seat leakage. Do not use the valve body or spring chamber for installing the valve in threaded connections. Use the wrench flats provided to tighten the valve to the connection pipe, and do not over tighten. Torque valve connections enough to ensure a pressure tight seal.
8. Do not paint, lubricate or allow contaminants to enter or cover the interior or any working parts of the valve.

### 4. Operation

The regulator's delivery pressure setting is adjusted by turning the adjusting screw at the top of the spring chamber after loosening the adjusting screw lock nut.

To increase the delivery pressure, turn the adjusting screw clockwise (into the spring chamber).

To decrease the delivery pressure, turn the adjusting screw counter-clockwise (out of the spring chamber).

Tighten the adjusting screw lock nut after adjustments have been made.

Draw flow through the valve and shutoff, after adjustment, to check for proper downstream set pressure.

### 5. Maintenance

Maintenance should be performed on a regular basis. An initial inspection interval of 12 months is recommended. Depending on the service conditions and the condition of the valve, the inspection interval may be decreased or increased. Inspect valve to ensure it is functioning as intended. Use only Cash Valve parts for repair.



#### **WARNING**

Any attempt to repair or modify this product by unqualified personnel voids the product guarantee and may cause serious damage to equipment, personal injury, and death. Cash Valve is not liable for any damage resulting from misuse or misapplication of its products.

**More information is available at [www.cashvalve.com](http://www.cashvalve.com)**