

Approved for  
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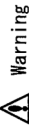
Name  
PRESSURE ACTUATED WATER  
REGULATING VALVE

Drawing Number  
CWR

Drawing Number  
A-WR-20025

A. Failure to read and follow all instruction carefully before installing or operating this water regulating valve could cause personal injury and/or property damage. Save these instructions for future use.

**B. NOTE FOR SAFETY**



**Warning**

- Be sure to read and follow all items before installing or operating this valve.
- Do not turn any other screws than Adjusting Screw ① as it may cause water leakage.
- Water flow direction should follow arrow shown on the body.
- Reverse flow direction against the arrow may cause uncontrolled.
- Please apply hydrofluorocarbon refrigerant or fluid that does not corrode copper alloy to the bellows cap side.
- Do not apply corrosive fluid, toxic gas, flammable gas because it may cause accident.
- Gas usage pressure on Bellows cap side should be less than MP indicated on label.
- Excessive pressure more than MP may be fear of pressure burst.
- The valve can be applied with only water. Corrosive liquids, refrigerants and flammable gaseous may cause dangers of accidents.
- If Bellows cap is deformed by some mis-handling,
- do not use this valve absolutely as it may be fear of Gas leakage.
- Bellows cap should be free from pulsation.
- Heavy pulsation may shorten the lifetime of bellows.
- Use the valve under the condition of "Installation and Instruction"
- Do not keep applying pressure at around valve opening (within differential of 0.029 MPa from valve opening pressure) to the valve.
- Otherwise, the valve disk will repeat to open-close heavily in short time and it may cause abnormal noise and lifetime shortening.
- Remove dust or foreign matter inside of pipe before installation. It may cause valve leakage and wrong working.
- Do not cause Water Hammer to inside of connected pipe as it may cause water leakage from the valve.
- In case of troubles, close all other valves around the valve and contact us without any decomposition.

**C. SPECIFICATIONS**

TYPE	CATALOG NUMBER	CONNECTION		PRESSURE RANGE (OPENING POINT)		AIRTIGHT (WATER TIGHT) TEST PRESSURE	
		STYLE	SIZE	MIN.	MAX.	BODY	BELLOWS CAP
CWR-	803GLW	Rc	3/8	0.6 MPa	1.8 MPa	1 MPa	2.4 MPa

**D. OPERATION**

In Fig. 1, when pressure increases in the bellows cap ⑨, the bellows ⑧ is contracted by the pressure, and the valve disk ⑥ is moved upward resisting to spring ③ and cooling water in the body ⑤ flows in direction of arrow mark.

**E. ADJUSTMENT**

Looking adjusting screw ① of the left drawing from over view, turn the adjusting screw counter clockwise to strengthen the compression spring ③. This raises valve opening point by gas pressure to start cooling water flow.

**F. MOUNTING**

Mounting position (angle) is free from a restriction. In case apply this valve to condenser cooling water of a refrigerating system, this valve can be achieved its function even it is installed either inlet side or outlet side of a condenser.

**G. OPERATION CHECK**

Install the Product correctly and then check its operation to confirm collect function of the whole system.

**H. LIMIT ON APPLICATION**

The product is not designed and manufactured for such equipment or system that is intended to be used under such circumstances as to relate to human life. For application requiring specially high reliability, please contact Company first.

**I. SCOPE OF WARRANTY**

Unless otherwise agreed by the parties, warranty period of the Product shall be one year after delivery. In case of failure attributable to the Company within such period, the Product shall be repaired or replaced, provided that any one of followings are out of the warranty :

1. Unproper handling or application by user
2. Modification or repair by other than the Company
3. Any failure to be caused by acts of God, fire, storm or the like, war, riot or the like and other causes beyond the control of the parties concerned.

Warranty described in this paragraph means the warranty for the Product itself and does not include warranty for any consequential damage arising out of or occasioned by a defect or failure of the Product.

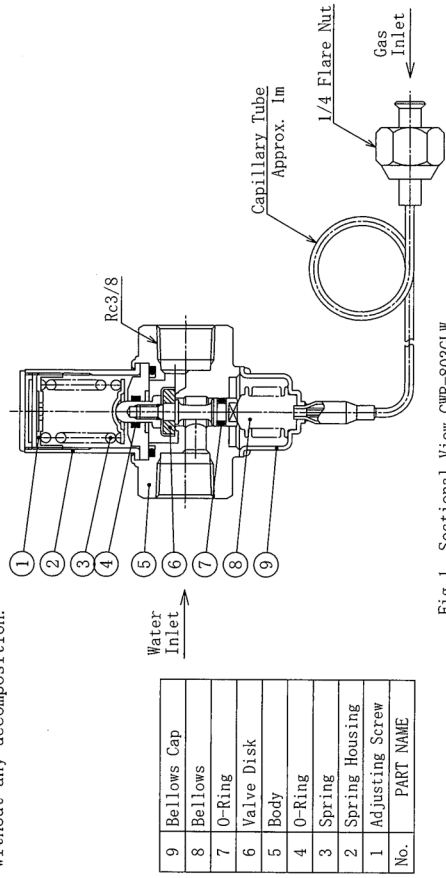


Fig. 1 Sectional View CWR-803GLW

