

INSTRUCTION FOR DIVERTER PRESSURE BALANCE VALVE

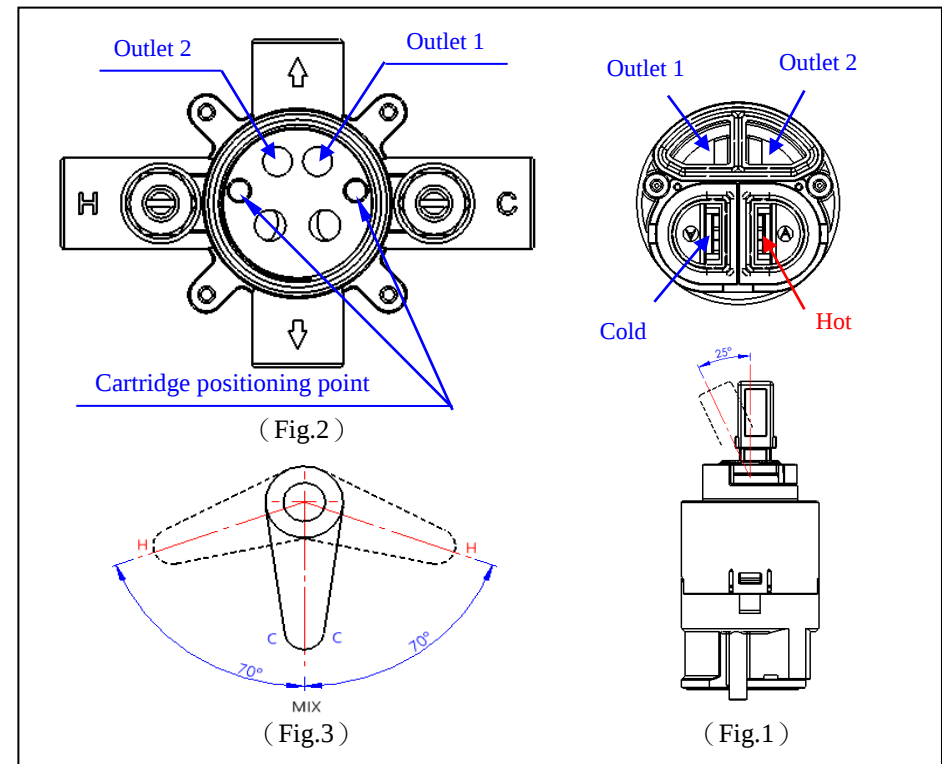
MODEL NUMBER : JL01BD

DESCRIPTION :

The JL01BD diverter pressure balance cartridge embodies the concept of simplifying faucet design by integrating multiple functions into a single unit. Traditional cartridges often require several components, resulting in complex structures and higher costs. With its innovative three-piece precision ceramic disc assembly, combined with built-in flow channels and a balancing valve function system, the JL01BD delivers seamless control of temperature and flow, effortless outlet switching, and stable water pressure - all within one compact, reliable cartridge.

FUNCTION :

1. The ceramic control valve is designed to directly regulate water fixtures, offering cold, hot, and mixing functions. By eliminating the need for additional diverters between the fixture and the hot/cold supply lines, or extra pull handles, it greatly simplifies valve body complexity. This streamlined design not only enhances convenience but also prevents accidental operation, ensuring a smoother and more user-friendly experience.
2. Featuring a three-piece precision ceramic disc structure and integrated flow channel design, it achieves functional integration without the need for additional diverter cartridges. The pressure-balancing mechanism effectively responds to unstable water pressure, ensuring high reliability while simplifying the user's operation process.
3. The lever is operated by lifting and rotating to control both the water temperature (cold to hot), the flow rate, the on/off function. When rotated counterclockwise, the sequence of water temperature is cold→warm→hot, corresponding to Outlet 1. The flow rate can be adjusted, or shut off, by changing the handle angle. Conversely, when rotated clockwise, the sequence of water temperature is also cold→warm→hot, corresponding to Outlet 2. The flow rate can likewise be controlled by adjusting the handle angle. When the handle is returned to the center position and locked into the detent point, it serves as the closed position. At this closed position, the lever must be in the vertical 90° position.



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4. The opening angle of the spindle is 25°, from closed to fully open. (Fig.1). For Outlet 1, the handle rotates counterclockwise, and within the 0°~70° range, the water temperature transitions in sequence from cold→warm→hot. Conversely, for Outlet 2, the handle rotates clockwise, and within the 0°~70° range, the water temperature transitions in the same sequence from cold→warm→hot. (Fig.3).

INSTALLATION :

1. Make sure the proper position of hot/cold water supply pipes before installing the valve.
2. When face hot/cold water supply pipes, the right inlet is cold water supply, and left inlet is hot water supply. Fix the positioning feet of valve into set points on faucet body with nut. (Fig. 2).
3. The nut torque suggested: 100 kgf.cm to 120 kgf.cm.
4. The hot/cold water supply condition suggested: 3.9°C~82°C (39°F~180°F)
5. Recommended water pressure (Max.): 500 PSI.
6. When finish assembly, make sure it is cold, warm, hot water incoming when you turn on the faucet.

ATTENTION :

1. Please clean and check the valve regularly if it is installed in the highly contained contaminant water to ensure the valve can work normally. The inspection times depend on the amount of contaminants in the water
2. The valve must be set by professional installer to ensure safety. Any in-proper installation will raise the discharge temperature and may get hot burns.