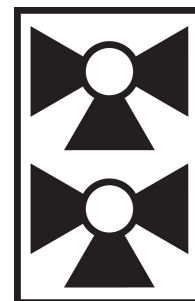




5-year warranty



## Type overview

|              |    |
|--------------|----|
| Type         | DN |
| B315-150-046 | 15 |

## Technical data

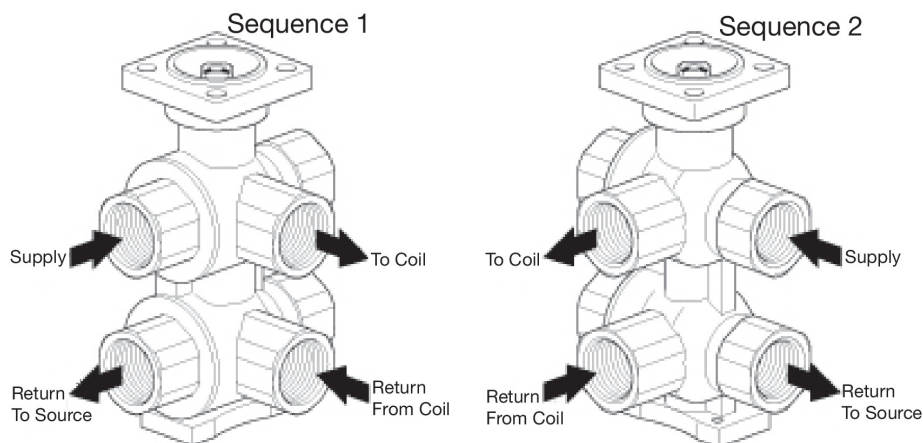
|                 |                                        |                                                                                  |
|-----------------|----------------------------------------|----------------------------------------------------------------------------------|
| Functional data | Valve size [mm]                        | 0.5" [15]                                                                        |
|                 | Fluid                                  | chilled or hot water, up to 60% glycol                                           |
|                 | Fluid Temp Range (water)               | 43...180°F [6...82°C]                                                            |
|                 | Body Pressure Rating                   | 232 psi                                                                          |
|                 | Close-off pressure $\Delta p_s$        | 50 psi                                                                           |
|                 | Differential pressure $\Delta p_{max}$ | 15psi                                                                            |
|                 | Flow characteristic                    | linear                                                                           |
|                 | Pipe connection type                   | Internal thread<br>NPT (female)                                                  |
|                 | Servicing                              | maintenance-free                                                                 |
|                 | Flow Pattern                           | 6-way                                                                            |
|                 | Leakage rate                           | 0%                                                                               |
|                 | Controllable flow range                | sequence 1 (angle 0...30°), dead zone (30...60°),<br>sequence 2 (angle 60...90°) |
|                 | Seq 1 Cv                               | 1.5                                                                              |
|                 | Seq 2 Cv                               | 0.46                                                                             |
| Materials       | Valve body                             | Nickel-plated brass body                                                         |
|                 | Stem                                   | nickel-plated brass                                                              |
|                 | Stem seal                              | EPDM (lubricated)                                                                |
|                 | Seat                                   | PTFE                                                                             |
|                 | Characterized disc                     | chrome plated steel                                                              |
|                 | O-ring                                 | EPDM                                                                             |
|                 | Ball                                   | chrome plated brass                                                              |

## Product features

**Application** The 6-way characterized control valve is ideal for chilled beams, radiant ceilings, and fan coil units offering reduced wiring by using a single actuator instead of two. It eliminates the need for a change-over valve and enables the use of a single coil for heating and cooling.

**Operation** A loop pressure relief is designed into port number two (2). This allows the increased pressure to dissipate to the supply loop on port number one (1). This is intended to release any pressure build up in the loop (coil) when the valve is in the closed position and is isolated from the system expansion vessel. The change in pressure occurs due to a change in the media temperature in the coil while isolated from the pressure vessel. The pressure relief does not affect the efficiency of the system because cross-flow cannot occur between the heating and cooling loops. The system loops (heating/cooling) should share a common expansion vessel to keep the system pressure and volume balanced.

### Flow/Mounting details



### Accessories

#### Mechanical accessories

#### Description

Fixing bracket for 6-way valve DN 15/20

#### Type

ZR-004

### Dimensions

#### Type

B315-150-046

#### DN

15

#### Weight

2.4 lb [1.1 kg]

