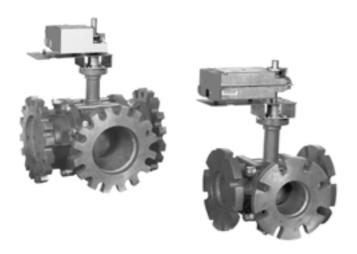
### **Control Ball Valves**

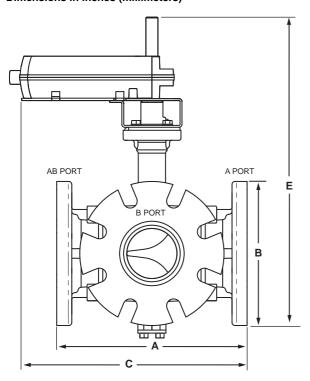
## **VBF3 Three-way Flanged Control Ball Valve**



The VBF3 Three-Way Ball Valve Assemblies, with and without actuators, control hot and chilled water with glycol solutions up to 50% in closed loop heating, ventilating, and air conditioning (HVAC) systems to provide two-position or modulating functions. These valve assemblies can be ordered with or without factory-mounted non-spring return or spring return direct-coupled actuators (DCA).

- Sizes from 4 to 6 inch with ANSI Class 125 flanged connections
- Equal percentage or linear flow characteristics
  Choice of four, factory-installed actuation control schemes: Floating, Modulating (2-10 V), Spring Return 24V 2-Position, Spring Return Modulating/Floating
- Field configurable for normally open or normally
- closed fail-safe position
- Removable manual operating handle to control valve
- during installation or in an event of power failure
- ANSI Class IV A-port seat leakage (0.01% of Cv)
- Optional NEMA 3R (IP54) rated enclosure for outdoor applications
- Option of four actuator mounting positions on the valve
- Wide range of Cv choices from 91 to 650
- Valve ball and stem 316 stainless steel
- Non-isolating mixing or diverting control

#### Dimensions in inches (millimeters)



Size (in.)	Model Number	A in. (mm)	B in. (mm)	C in. (mm)	D (depth) (not shown) in. (mm)	E in. (mm)	Wt. lb (kg)
4	VBF3J	11-7/8 (278)	9 (229)	14-1/8 (337)	10-3/8 (229)	18-1/2 (470)	75 (34)
5	VBF3K	13-7/8 (352)	10 (254)	15-1/8 (362)	12 (254)	19-3/8 (483)	90 (41)
6	VBF3L	15-7/8 (403)	11 (278)	16-1/8 (410)	13-3/8 (521)	20-1/2 (521)	105 (48)

M13733A

Valve Type: Control Ball Valve Body Pattern: Three-way Connection Type: Flanged

Flow Characteristic: Linear (B-AB); Equal Percentage (A-AB) Controlled Medium: Chilled or hot water with up to 50% Glycol;

not for use with steam or fuels

Leakage Rating: ANSI Class IV (A port only); B port ~2% leakage

Maximum Safe Operating Pressure: 240 psi (1655 kPa)

Maximum Differential Pressure Ratings (Close-off): 70 psi (483 kPa)

Fluid Temperature Range: -22 F to +250 F (-30 C to +121 C)

**Materials** 

(Body): Cast Iron

(Stem): 316 Stainless Steel

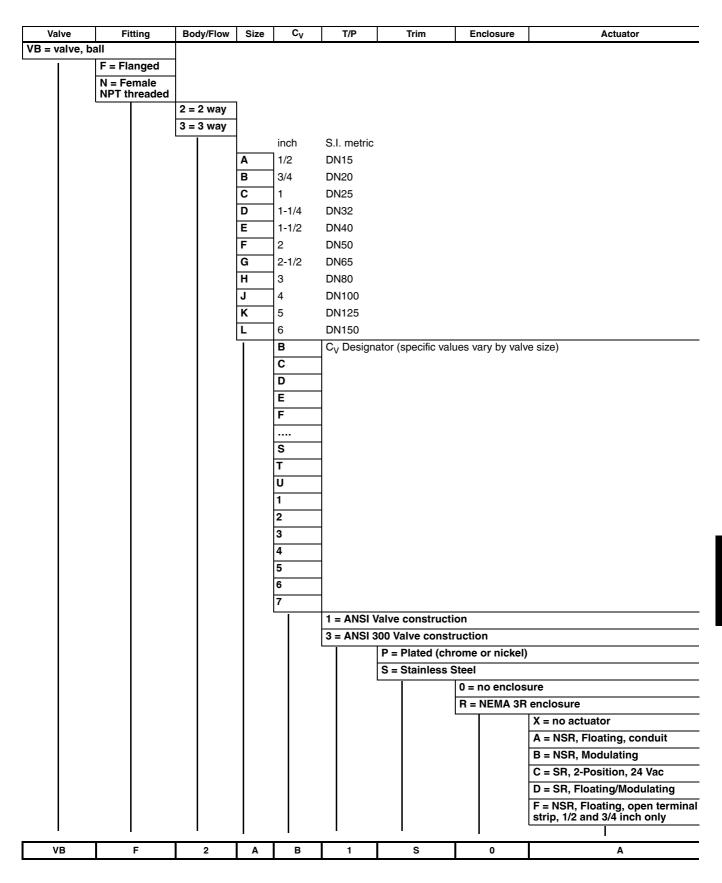
(Seat): Teflon®

(Plug/Ball/Disc): 316 stainless steel

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# Commercial Components

## **Control Ball Valves**



<sup>70-6910</sup> **Honeywell** <sup>527</sup>