F665HD+GW01 Technical Data Sheet

Resilient Seat, 304 Stainless Steel Disc

5-year warranty

Application

Valve is designed for use in ANSI flanged piping systems to meet the needs of bi-directional high flow HVAC hydronic applications with 0% leakage. Typical applications include cooling tower bypass, primary flow change-over systems, and large air-handler coil control. Valve face-to-face dimensions comply with API 609 & MSS-SP-67, Completely assembled and tested, ready for installation.

Jobsite Note

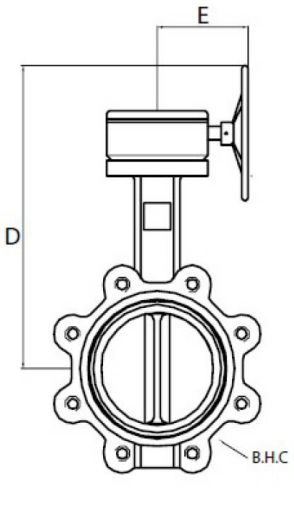
Valve assembly should be stored in a weather protected area prior to installation. Reference the butterfly valve installation instruction for additional information.

Technical Data	
Fluid	chilled, hot water, up to 60% glycol
Flow characteristic	modified equal percentage
Controllable flow range	90° rotation
Valve Size [mm]	2.5" [65]
Pipe connection	for use with ANSI class 125/150 flanges
Housing	Ductile cast iron ASTM A536
Body finish	epoxy powder coating (blue RAL 5002)
Stem	416 stainless steel
Stem seal	EPDM (lubricated)
Seat	EPDM
Bearing	RPTFE
Disc	304 stainless steel
Body Pressure Rating	ANSI Class Consistent with 125, standard class B
ANSI Class	Consistent with 125
Number of Bolt Holes	4
Lug threads	5/8-11 UNC
Close-off pressure Δps	200 psi
Rangeability Sv	10:1 (for 30° to 70° range)
Maximum Velocity	12 FPS
Cv	196
Weight	14 lb [6.4 kg]
Fluid Temp Range (water)	-22...250°F [-30...120°C]
Leakage rate	0%
Servicing	maintenance-free

Flow/Cv

Cv 10°	Cv 20°	Cv 30°	Cv 40°	Cv 50°	Cv 60°	Cv 70°	Cv 80°	Cv 90°
0.1	6	12	25	45	75	119	178	196

Dimensions (Inches [mm])



A	B	C	D	E
1.8" [46]	4.7" [119]	2.1" [54]	11.1" [283]	6.3" [160]

Flow/Mounting Details