F6125HDU, 5", 2-Way Butterfly Valve Resilient Seat, 304 Stainless Steel Disc





WARRANTY

Technical Data	
Service	chilled, hot water, up to 60% glycol
Flow Characteristic	modified equal percentage
Controllable Flow Range	90° rotation
Size [mm]	5" [125]
End Fitting	for use with ansi class 125/150 flanges
Body	ductile iron ASTM A536
Body Finish	epoxy powder coated
Stem Packing	EPDM (lubricated)
Seat	EPDM
Shaft	416 stainless steel
Bushings	RPTFE
Disc	304 stainless steel
Body Pressure Rating [psi]	ANSI 125, standard class B
Number of Bolt Holes	8
Lug Threads	3/4-10 UNC
Media Temperature Range (Water)	-22°F to 250°F [-30°C to 120°C]
Close-Off Pressure	50 psi
Rangeability	10:1 (for 30° to 70° range)
Maximum Velocity	12 FPS
Cv	1022
Weight	19 lb [8.6 kg]
Leakage	0%
Servicing	maintenance free

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.

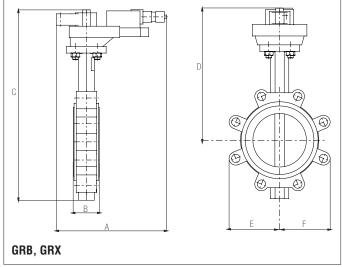
Jobsite Note

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

Flow/C	Cv .							
Cv 10°	Cv 20°	Cv 30°	Cv 40°	Cv 50°	Cv 60°	Cv 70°	Cv 80°	Cv 90°
0.5	29	61	133	237	392	620	930	1022

Suitable Actuators			
	Non-Spring		
F6125HDU GRB(X), PRB(X)			



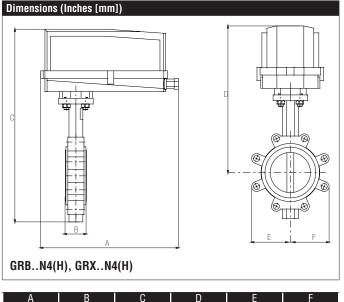


А	В	С	D	E	F
15.51"	2.21" [56.1]	11.8" [300]	11.81"	4.48"	' [114]
[394]			[300]		

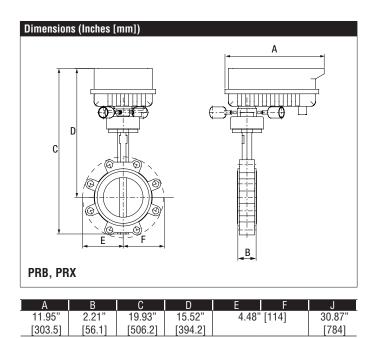
Flow Pattern







A	В	С	D	E	F
14.1" [358]	2.21" [56.1]	19.57"	15.00"	4.48"	[114]
		[497]	[381]		



GRX24-MFT-T N4
NEMA 4X, Modulating Control, Non-Spring Return, Direct Coupled,
24 V, Multi-Function Technology ${ m I\!R}$





Technical Data	
Power Supply	24 VAC, ±20%, 50/60 Hz, 24 VDC, ±10%
Power Consumption Running	8 W
Power Consumption Holding	2.5 W
Transformer Sizing	11 VA (class 2 power source)
Electrical Connection	terminal block
Overload Protection	electronic thoughout 0° to 90° rotation
Operating Range Y	2 to 10 VDC, 4 to 20 mA w/ ZG-R01 (500 Ω, 1/4 W resistor), variable (VDC, floating point, on/off)
Input Impedance	600 Ω
Feedback Output U	2 to 10 VDC, 0.5 mA max, VDC variable
Angle of Rotation	90°, adjustable with mechanical stop
Direction of Rotation (Motor)	reversible with built-in switch
Position Indication	reflective visual indicator (snap on)
Manual Override	under cover
Running Time (Motor)	default 150 sec, variable 90150 sec
Ambient Humidity	5 to 100% RH (UL Type 4)
Ambient Temperature Range	-22°F to 122°F [-30°C to 50°C]
Storage Temperature Range	-40°F to 176°F [-40°C to 80°C]
Housing	NEMA 4X, IP66/67, UL Enclosure Type 4X
Housing Material	polycarbonate
Agency Listings†	cULus acc. to UL60730-1A/-2-14, CAN/CSA E60730-1:02, CE acc. to 2004/108/EC and 2006/95/EC
Noise Level (Motor)	<45 dB (A)
Servicing	maintenance free
Quality Standard	ISO 9001
Weight	9.9 lb [4.5 kg]
Degree of Protection IEC/EN	IP66/67

†Rated Impulse Voltage 800V, Type of action 1.AA, Control Pollution Degree 3



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