F6100HDU Technical Data Sheet





Technical Data

Flow characteristic

Valve Size [mm]

Pipe connection

Housing Body finish

Stem

Seat

Disc

Stem seal

Bearing

ANSI Class

Controllable flow range

Body Pressure Rating

Number of Bolt Holes

Fluid



Application

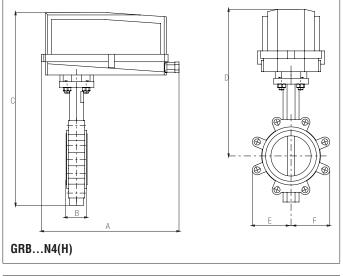
Valve is designed for use in ANSI flanged piping systems to meet the needs of bi-directional high flow HVAC hydronic applications with 0% leakage. Typical applications include cooling tower bypass, primary flow change-over systems, and large air-handler coil control. Valve face-to-face dimensions comply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

Jobsite Note

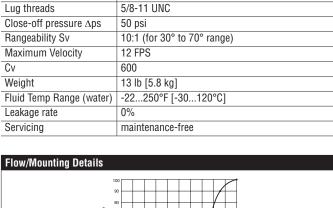
Valve assembly should be stored in a weather protected area prior to installation. Reference the butterfly valve installation instruction for additional information.

Flow/Cv								
Cv 10°	Cv 20°	Cv 30°	Cv 40°	Cv 50°	Cv 60°	Cv 70°	Cv 80°	Cv 90°
0.3	17	36	78	139	230	364	546	600
Suitable Actuators								
	Non-Spring							
F6100H	DU	GRB(X)						

Dimensions (Inches [mm])



D E F	C	В	A	
483] 15.2" [387] 4.3" [110]	19.0" [483]	2.2" [56]	14.1" [358]	



chilled or hot water, up to 60% glycol

for use with ANSI class 125/150 flanges

epoxy powder coating (blue RAL 5002)

ANSI Class Consistent with 125, 232 psi CWP

modified equal percentage

Ductile cast iron ASTM A536

90° rotation

416 stainless steel

EPDM (lubricated)

304 stainless steel

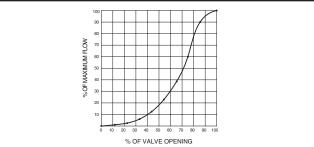
Consistent with 125

4" [100]

EPDM

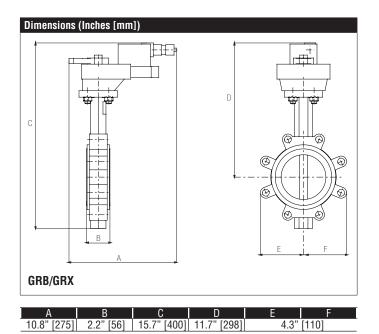
RPTFE

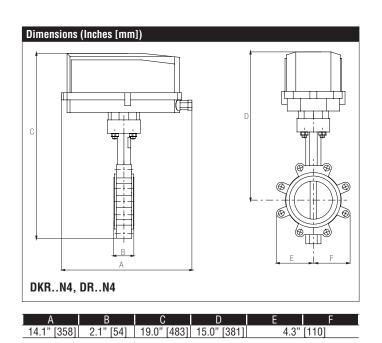
8





F6100HDU Technical Data Sheet Resilient Seat, 304 Stainless Steel Disc





GRX24-MFT-T N4 Technical Data Sheet

NEMA 4X, Modulating Control, Non-Spring Return, Direct Coupled, 24 V, Multi-Function Technology®





Technical Data			
Power Supply	24 VAC, ±20%, 50/60 Hz, 24 VDC, ±10%		
Power consumption in operation	8 W		
Power consumption in rest	2.5 W		
position			
Transformer sizing	11 VA (class 2 power source)		
Electrical Connection	Terminal blocks		
Overload Protection	electronic thoughout 090° rotation		
Operating Range	210 V (default), 420 mA w/ ZG-R01 (500		
	Ω , 1/4 W resistor), variable (VDC, on/off,		
	floating point)		
Operating range Y variable	Start point 0.530 V		
	End point 2.532 V		
Input Impedance	600 Ω		
Position Feedback	210 V, Max. 0.5 mA, VDC variable		
Angle of rotation	90°, adjustable with mechanical stop		
Direction of motion motor	selectable with switch 0/1		
Position indication	Mechanically, 3065 mm stroke		
Manual override	under cover		
Running Time (Motor)	default 150 s, variable 90150 s		
Ambient humidity	max. 95% r.H., non-condensing		
Ambient temperature	-22122°F [-3050°C]		
Storage temperature	-40176°F [-4080°C]		
Degree of Protection	IP66/67, NEMA 4X, UL Enclosure Type 4X		
Housing material	Polycarbonate		
Agency Listing	cULus acc. to UL60730-1A/-2-14, CAN/CSA		
	E60730-1:02, CE acc. to 2014/30/EU and		
	2014/35/EU		
Noise level, motor	45 dB(A)		
Servicing	maintenance-free		
Quality Standard	ISO 9001		
Weight	9.9 lb [4.5 kg]		

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



/3\

GRX24-MFT-T N4 Technical Data Sheet

NEMA 4X, Modulating Control, Non-Spring Return, Direct Coupled,



