

Resilient Seat, 304 Stainless Steel Disc

Butterfly Valve with Lug types

- Disc 304 stainless steel
- Bubble tight shut-off
- Resilient seat
- Valve face-to-face dimensions comply with

API 609 & MSS-SP-67

• Completely assembled and tested, ready for installation

Technical data sheet

F750HD





Time	
Туре	DN
F750HD	50

Technical data

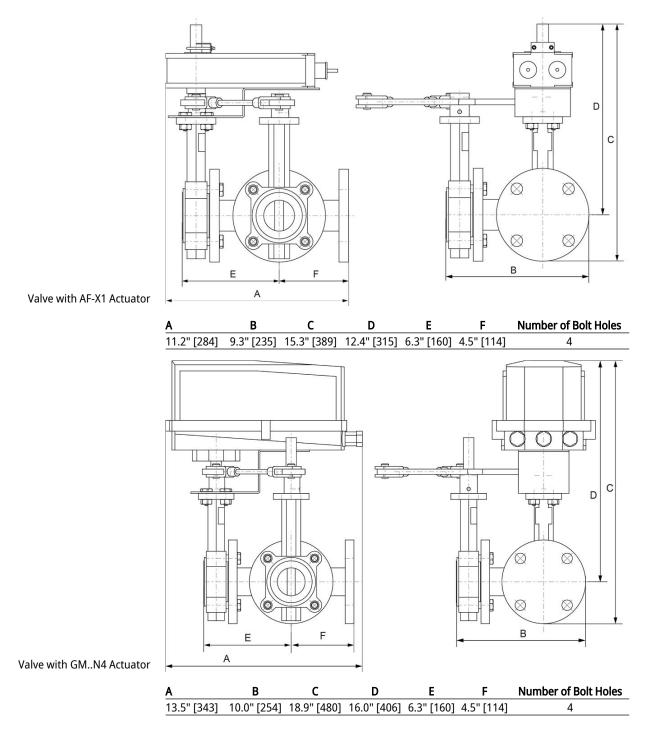
Type overview

Functional data	Valve size [mm]	2" [50]	
	Fluid	chilled or hot water, up to 60% glycol	
	Fluid Temp Range (water)	-22250°F [-30120°C]	
	Body Pressure Rating	ANSI Class Consistent with 125, 232 psi CWP	
	Close-off pressure Δps	200 psi	
	Flow characteristic	modified linear	
	Servicing	maintenance-free	
	Flow Pattern	3-way Mixing/Diverting	
	Leakage rate	0%	
	Controllable flow range	90° rotation	
	Cv	115	
	Maximum Velocity	12 FPS	
	Lug threads	5/8-11 UNC	
Materials	Valve body	Ductile cast iron ASTM A536	
	Body finish	epoxy powder coating (blue RAL 5002)	
	Stem	416 stainless steel	
	Seat	EPDM	
	Pipe connection	for use with ANSI class 125/150 flanges	
	Bearing	RPTFE	
	Disc	304 stainless steel	
	Gear operator materials	Gears - hardened steel	
Suitable actuators	Non-Spring	AMB(X)	
		GMB(X)	
	Spring	AFRB(X)	

Dimensions

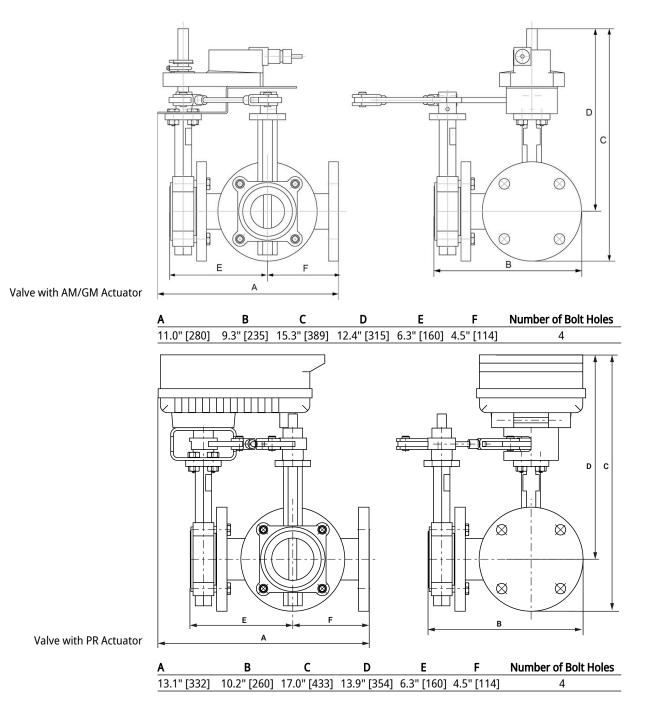
Туре	DN	Weight
F750HD	50	30.1 lb [14 kg]



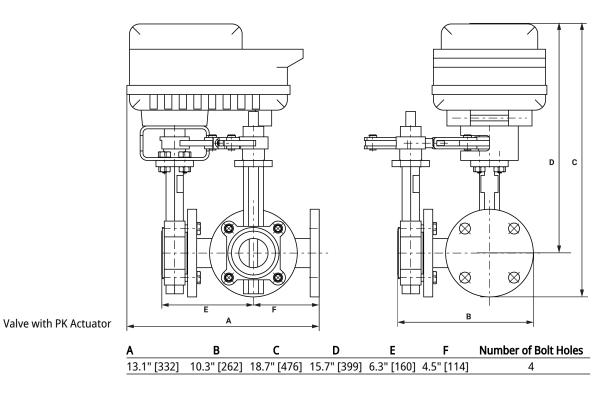




Technical data sheet









Function Technology®

Technical data sheet

AFX24-MFT-S-X1







Technical data

Electrical data	Nominal voltage	AC/DC 24 V
	Nominal voltage frequency	50/60 Hz
	Nominal voltage range	AC 19.228.8 V / DC 21.628.8 V
	Power consumption in operation	7.5 W
	Power consumption in rest position	3 W
	Transformer sizing	10 VA
	Auxiliary switch	2 x SPDT, 3 A resistive (0.5 A inductive) @ AC 250 V, one set at 10°, one adjustable 1090°
	Switching capacity auxiliary switch	3 A resistive (0.5 A inductive) @ AC 250 V
	Electrical Connection	(2) 18 GA appliance cables, 1 m, 3 m or 5 m, with or without 1/2" conduit connectors
	Overload Protection	electronic throughout 095° rotation
Functional data	Operating range Y	210 V
	Operating range Y note	420 mA w/ ZG-R01 (500 Ω, 1/4 W resistor)
	Operating range Y variable	Start point 0.530 V
		End point 2.532 V
	Operating modes optional	variable (VDC, PWM, on/off, floating point)
	Position feedback U	210 V
	Position feedback U note	Max. 0.5 mA
	Position feedback U variable	VDC variable
	Direction of motion motor	selectable with switch 0/1
	Direction of motion fail-safe	reversible with cw/ccw mounting
	Manual override	5 mm hex crank (3/16" Allen), supplied
	Angle of rotation	95°
	Angle of rotation note	adjustable with mechanical end stop, 3595°
	Running Time (Motor)	150 s / 90°
	Running time motor variable	70220 s
	Running time fail-safe	<20 s
	Override control	MIN (minimum position) = 0%
		MID (intermediate position) = 50%
		MAX (maximum position) = 100%
	Noise level, motor	40 dB(A)
	Noise level, fail-safe	62 dB(A)
	Position indication	Mechanical
Safety data	Power source UL	Class 2 Supply
	Degree of protection IEC/EN	IP54
	Degree of protection NEMA/UL	NEMA 2
	Enclosure	UL Enclosure Type 2



Technical data sheet

AFX24-MFT-S-X1

	Safety data	Agency Listing	cULus acc. to UL60730-1A/-2-14, CAN/CSA E60730-1:02, CE acc. to 2014/30/EU
		Quality Standard	ISO 9001
		UL 2043 Compliant	Suitable for use in air plenums per Section 300.22(C) of the NEC and Section 602 of the IMC
		Ambient humidity	Max. 95% RH, non-condensing
		Ambient temperature	-22122°F [-3050°C]
		Storage temperature	-40176°F [-4080°C]
		Servicing	maintenance-free
	Weight	Weight	4.6 lb [2.1 kg]
	Materials	Housing material	Galvanized steel and plastic housing
	Footnotes	*Variable when configured with MFT	options.
ccessories			
	Electrical accessories	Description	Туре
		Service Tool, with ZIP-USB function, f communicative Belimo actuators, VA devices	
lectrical installation	on		
	Δ		:! g and troubleshooting of this product, it may be necessa nts. Have a qualified licensed electrician or other indivic



Technical data sheet

