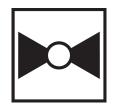


Carbon Steel Body, Hardened Chrome Plated, Stainless Steel Ball and Stem





2-year warranty



Technical data

г	ncti	۱.,	1	4-	*
TI.	110.11	IC 31	141	(10	แล

Valve Size	1.5" [40]		
Fluid	chilled or hot water, up to 60% glycol, steam		
Fluid Temp Range (water)	-22380°F [-30193°C]		
Fluid Temp Range (steam)	-22380°F [-30193°C]		
Body Pressure Rating	ANSI Class 300		
Close-off pressure ∆ps	250 psi		
Flow characteristic	equal percentage		
Rangeability Sv	300:1		
Maximum differential pressure (water)	150 psi		
Max Differential Pressure (Steam)	100 psi		
Close-Off Pressure (Steam)	150 psi		
Flow Pattern	2-way		
Leakage rate	ANSI Class IV		
Controllable flow range	75°		
Cv	55		
Maximum Inlet Pressure (Steam)	150 psi		
Valve body	WCC grade carbon steel		

Materials

Body finish	matt black body finish	
Stem	stainless steel	
Stem seal	PTFE V-ring	
Seat	PTFE	
Pipe connection	NPT female ends	
Ball	stainless steel	
Non-Spring	SY1	
	AMB(X)	
	PRB(X)	
Spring	NF	

PKRB(X)

Suitable actuators

Product	features

Product features Fast quarter turn open or closed operation, stainless-steel ball and stem, positive isolation, two-piece body construction

Application Water-side control of air handling apparatus in ventilation and air-conditioning system.

Water/Steam control in heating system.

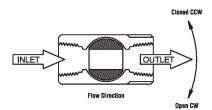
300:1 rangeability.

Electronic fail-safe

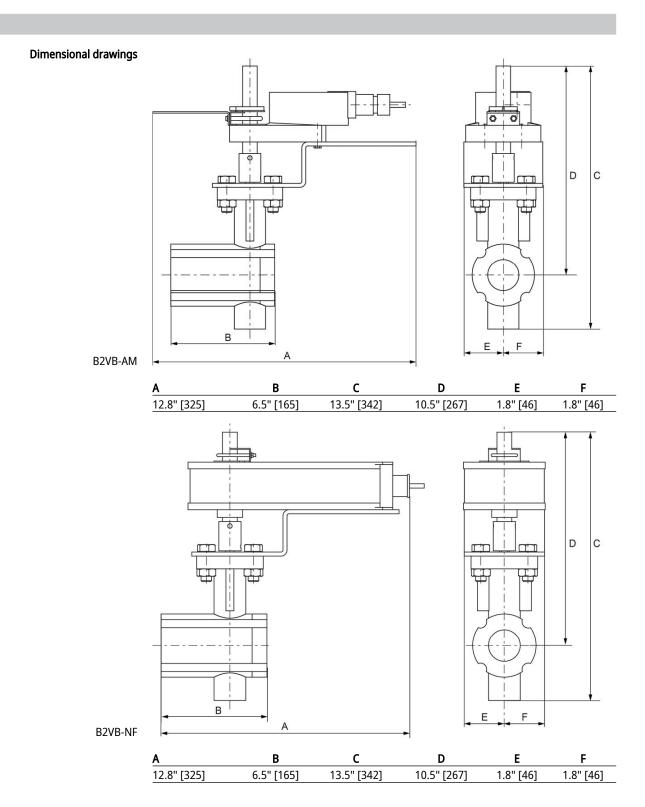
The dimensions and drilling of end flanges conform to the American cast iron flange standard, Class 150 (ANSI B16.1).



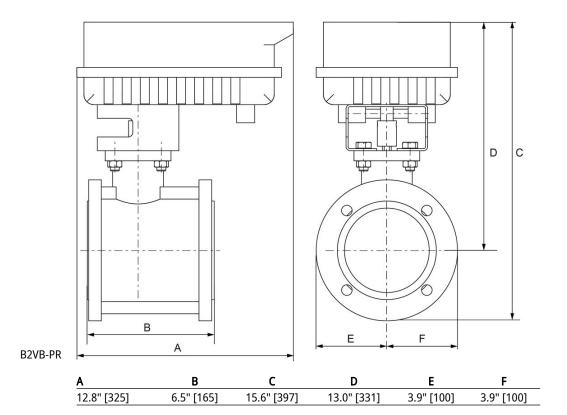
Flow/Mounting details



Dimensions













Technical data		
Electrical data	Nominal voltage	AC 24240 V / DC 24125 V
	Nominal voltage frequency	50/60 Hz
	Power consumption in operation	6 W
	Power consumption in rest position	2.5 W
	Power consumption for wire sizing	9.5 VA
	Transformer sizing	6 VA @ AC 24 V (class 2 power source), 6.5 VA @ AC 120 V, 9.5 VA @ AC 240 V
	Electrical Connection	18 GA appliance cable, 3 ft [1 m], with 1/2" conduit connector
	Overload Protection	electronic throughout 095° rotation
Functional data	Direction of motion motor	selectable by ccw/cw mounting
	Direction of motion fail-safe	reversible with cw/ccw mounting
	Manual override	5 mm hex crank (3/16" Allen), supplied
	Angle of rotation	95°,
	Running Time (Motor)	75 s
	Running time fail-safe	<20 s @ -4122°F [-2050°C], <60 s @ -22°F [-30°C]
	Noise level, motor	50 dB(A)
	Noise level, fail-safe	62 dB(A)
	Position indication	Mechanical
Safety data	Degree of protection IEC/EN	IP54
	Degree of protection NEMA/UL	NEMA 2
	Enclosure	UL Enclosure Type 2
	Agency Listing	cULus acc. to UL60730-1A/-2-14, CAN/CSA E60730-1:02, CE acc. to 2014/30/EU and 2014/35/EU; Listed to UL 2043 - suitable for use in air plenums per Section 300.22(c) of the NEC and Section 602.2 of the IMC
	Quality Standard	ISO 9001
	Ambient temperature	-22122°F [-3050°C]
	Storage temperature	-40176°F [-4080°C]
	Ambient humidity	Max. 95% RH, non-condensing
	Servicing	maintenance-free
Weight	Weight	4.2 lb [1.9 kg]
Materials	Housing material	Galvanized steel and plastic housing

Product features

Mode of operation SY4~6 Replacement Handwheel



Electrical installation





Marning! Live electrical components!

During installation, testing, servicing and troubleshooting of this product, it may be necessary to work with live electrical components. Have a qualified licensed electrician or other individual who has been properly trained in handling live electrical components perform these tasks. Failure to follow all electrical safety precautions when exposed to live electrical components could result in death or serious injury.

> INSTALLATION NOTES

- A Actuators with appliance cables are numbered.
- (UP) Universal Power Supply (UP) models can be supplied with 24 VAC up to 240 VAC, or 24 VDC up to 125 VDC.
- A Provide overload protection and disconnect as required.
 - Meets cULus requirements without the need of an electrical ground connection.

