

Technical data sheet

B350L

Chrome Plated Brass Ball and Nickel Plated Brass Stem

DIN 160



Type overview

Туре	DN
B350L	50

Technical data

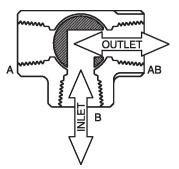
Functional data	Valve size [mm]	2" [50]
	Fluid	chilled or hot water, up to 60% glycol
	Fluid Temp Range (water)	0250°F [-18120°C]
	Body Pressure Rating	400 psi
	Close-off pressure Δps	200 psi
	Flow characteristic	modified linear
	Servicing	maintenance-free
	Flow Pattern	3-way Diverting
	Leakage rate	0%
	Controllable flow range	75°
	Cv	87
Materials	Valve body	Nickel-plated brass body
	Spindle	nickel-plated brass
	Seat	PTFE
	Pipe connection	NPT female ends
	Ball	chrome plated brass
uitable actuators	Non-Spring	ARB(X)
	Spring	AFRB(X)

Product features

Application

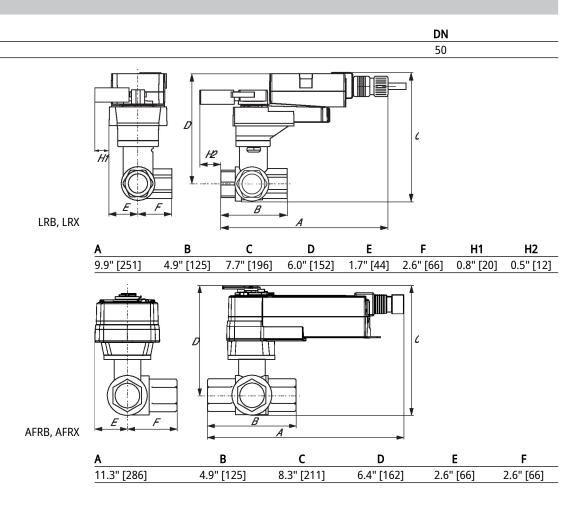
n This valve is typically used in air handling units on heating or cooling coils, and fan coil unit heating or cooling coils. Some other common applications include Unit Ventilators, VAV box reheat coils and bypass loops. This valve is suitable for use as diverting or change over valve.

Flow/Mounting details





Dimensio





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Technical data sheet

ARB2<u>4-3-S</u>



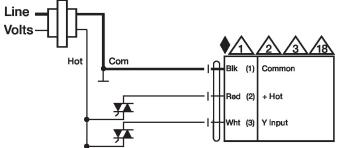


Technical data

Electrical data	Nominal voltage	AC/DC 24 V
	Nominal voltage frequency	50/60 Hz
	Power consumption in operation	2.5 W
	Power consumption in rest position	0.5 W
	Power consumption for wire sizing	5.5 VA
	Transformer sizing	5.5 VA (class 2 power source)
	Auxiliary switch	1 x SPDT, 3 A resistive (0.5 A inductive) @ AC 250 V, adjustable 0100%
	Switching capacity auxiliary switch	3 A resistive (0.5 A inductive) @ AC 250 V
	Electrical Connection	18 GA plenum cable, 3 ft [1 m], with 1/2" conduit connector
	Overload Protection	electronic thoughout 090° rotation
Functional data	Direction of motion motor	selectable with switch 0/1
	Manual override	external push button
	Angle of rotation	90°
	Angle of rotation note	adjustable with mechanical stop
	Running Time (Motor)	90 s / 90°
	Noise level, motor	45 dB(A)
	Position indication	Mechanically, pluggable
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
Materials	Housing material	Galvanized steel and plastic housing



Accessories		
Electrical accessories	Description	Туре
	Battery backup system, for non-spring return models Battery, 12 V, 1.2 Ah (two required)	NSV24 US NSV-BAT
Electrical installation		
	 INSTALLATION NOTES Provide overload protection and disconnect as required. Actuators may be connected in parallel. Power consumption and inposerved. Actuators may also be powered by DC 24 V. Actuators Hot wire must be connected to the control board commor neg. (-) leg of control circuits. Terminal models (-T) have no-feedback Actuators with plenum cable do not have numbers; use color codes One built-in auxiliary switch (1x SPDT), for end position indication, in etc. Apply only AC line voltage or only UL-Class 2 voltage to the terminal: Mixed or combined operation of line voltage/safety extra low voltag Meets cULus requirements without the need of an electrical ground Warning! Live electrical components! During installation, testing, servicing and troubleshooting of this proto to work with live electrical components. Have a qualified licensed elewho has been properly trained in handling live electrical component Failure to follow all electrical safety precautions when exposed to liv could result in death or serious injury. 	n. Only connect common to k. instead. hterlock control, fan startup, s of auxiliary switches. le is not allowed. connection. oduct, it may be necessary ectrician or other individual ts perform these tasks.
Volts		1 2 3 18 Blk (1) Common Red (2) + Hot Wht (3) Y Input
24 VAC Transformer	Floating Point - Triac Sink 24 VAC Transformer Line Volts	



Line Volts Hot Com G Blk (1) Common Red (2) + Hot Wht (3) Y Input

Auxiliary Switches

