



5-year warranty



# Type overview

Туре	DN
B225	25

BELLING

## **Technical data**

Functional data	Valve size	1" [25]	
	Fluid	chilled or hot water, up to 60% glycol	
	Fluid Temp Range (water)	0250°F [-18120°C]	
	Body Pressure Rating	600 psi	
	Close-off pressure ∆ps	200 psi	
	Flow characteristic	equal percentage maintenance-free	
	Servicing		
	Flow Pattern	2-way	
	Leakage rate	0% for A – AB	
	Controllable flow range	75°	
	Cv	30	
	No Characterized Disc	TRUE	
	Cv Flow Rating	A-port: as stated in chart B-port: 70% of A – AB Cv	
Materials	Valve body	Nickel-plated brass body	
	Stem	stainless steel	
	Stem seal	EPDM (lubricated)	
	Seat	PTFE	
	Characterized disc	No Disc (full flow)	
	Pipe connection	NPT female ends	
	O-ring	EPDM (lubricated)	
	Ball	stainless steel	
Suitable actuators	Non-Spring	LRB(X) NR	
	Spring	LF	

# Safety notes



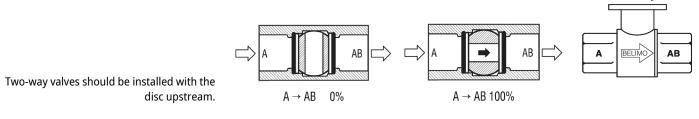
• WARNING: This product can expose you to lead which is known to the State of California to cause cancer and reproductive harm. For more information go to www.p65warnings.ca.gov



# Product features

**Application** 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 in a hydronic system with variable flow.

#### Flow/Mounting details

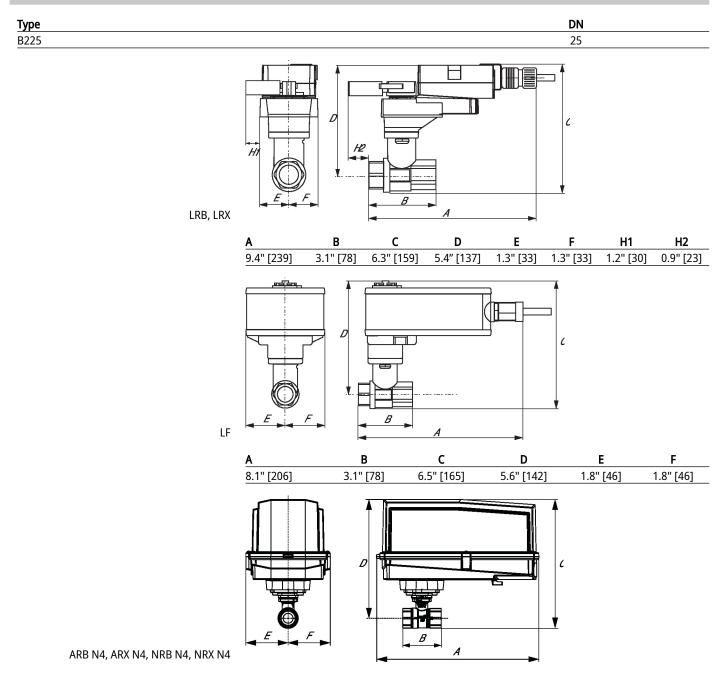


## Product features

Mode of operation

ation PVC W'Shld for F6/F7HS(U) (AF, 2rqd 4"+)

#### Dimensions





Technical data sheet				B225	
A	В	с	D	Е	F
11.4" [289]	3.1" [78]	7.8" [199]	7.1" [181]	3.1" [80]	3.1" [80]



# **Technical data sheet**

NRX24-3-T N4

NEMA 4X, On/Off, Floating Point Control, Non-Spring Return, 24 V





## **Technical data**

Electrical data	Neminal voltage	AC/DC 24 V		
	Nominal voltage Nominal voltage frequency	50/60 Hz		
	Power consumption in operation	2 W		
	Power consumption in rest position	0.2 W		
	Transformer sizing	4 VA (class 2 power source)		
	Electrical Connection	Screw terminal (for 26 to 14 GA wire), 1/2" conduit connector		
	Overload Protection	electronic throughout 095° rotation		
Functional data	Direction of motion motor	selectable with switch 0/1		
	Manual override	external push button		
	Angle of rotation	Max. 90°		
	Angle of rotation note	adjustable with mechanical stop		
	Running Time (Motor)	90 s / 90°		
	Noise level, motor	45 dB(A)		
	Position indication	pointer		
Safety data	Degree of protection IEC/EN	IP66/67		
	Degree of protection NEMA/UL	NEMA 4X		
	Enclosure	UL Enclosure Type 4X		
	Agency Listing	cULus acc. to UL60730-1A/-2-14, CAN/CSA E60730-1:02, CE acc. to 2014/30/EU and 2014/35/EU		
	Quality Standard	ISO 9001		
	Ambient temperature	-22122°F [-3050°C]		
	Ambient temperature note	-4050°C for actuator with integrated heating		
	Storage temperature	-40176°F [-4080°C]		
	Ambient humidity	Max. 100% RH		
	Servicing	maintenance-free		
Materials	Housing material	Die cast aluminium and plastic casing		

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



Accessories				
Electrical accessories	Description			Туре
	•	DT add-on DT add-on er 140 Ω add-on, grey er 1 kΩ add-on, grey er 10 kΩ add-on, grey er 2.8 kΩ add-on, grey er 500 Ω add-on, grey	lels	NSV24 US NSV-BAT S1A S2A P140A GR P1000A GR P10000A GR P2800A GR P500A GR P5000A GR
Electrical installation				
2 2 3 6	Actuators may be conrobserved. Actuators may also be Actuators Hot wire muneg. (-) leg of control of Actuators are provided Meets cULus requirem <b>Warning! Live electrica</b> During installation, test to work with live electrica buring installation, test to work with live electrica ouring installation and the to work with live electrica and the seen property Failure to follow all electrica could result in death of <b>Common</b> <b>Hot</b>	ection and disconnect as reachected in parallel. Power compowered by DC 24 V. Inst be connected to the contribution of the context of the numbered screw terms without the need of an al components! Insting, servicing and troubles rical components. Have a que y trained in handling live electrical safety precautions we	nsumption and input in rol board common. O () have no-feedback. rminal strip instead of the electrical ground cor shooting of this product ualified licensed electrical components per then exposed to live electrical components per then exposed to live electrical (1)	nly connect commor f a cable. Inection. ct, it may be necessa ician or other indivic erform these tasks. lectrical components
Floating Point - Triac Source 24 VAC Transformer Line Volts Hot	1 2 3 16   Blk (1) Common    Red (2) + Hot    Wht (3) Y Input	Floating Point - Triac Sink 24 VAC Transform Line Volts		1 2 16 3lk (1) Common Red (2) + Hot Wht (3) Y Input

## Dimensions