

Potable water valve, 2-way, Internal thread

- For potable water applications
- NSF/ANSI 372 Lead Free
- NSF/ANSI 61 CLD 23 Water Quality







Type overview

T	DN
туре	DN
B2150PW-R	40

Technical data

Functional data	Valve size [mm]	1.5" [40]
	Potable water certificate	NSF/ANSI 61
		NSF/ANSI 372
	Fluid	Potable water
	Fluid temperature	-4212°F [-20100°C]
	Body Pressure Rating	600 psi CWP
	Close-off pressure ∆ps	200 psi
	Differential pressure Δpmax	25psi
	Leakage rate	0%
	Angle of rotation	90°
	Pipe connection	Internal thread
		NPT (female)
	Installation orientation	upright to horizontal (in relation to the stem)
	Servicing	maintenance-free
	Flow Pattern	2-way
	Cv	144
Materials	Valve body	Lead free brass
	Stem	Lead free brass
	Seat	PTFE
	O-ring	EPDM
	Ball	Chrome plated lead free brass
Suitable actuators	Non Fail-Safe	ARB(X)
	Electrical fail-safe	AFRB(X)

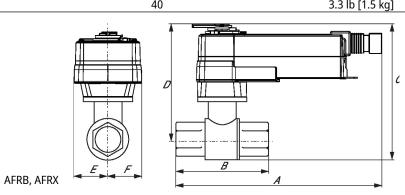
Safety notes



- The ball valve has to be exercised at least once a week, so that the quality of potable water as well as the functionality are not affected.
- The valve has been designed for use in stationary potable water systems and must not be used outside the specified field of application, especially in aircraft or in any other airborne means of transport.
- The valve does not contain any parts that can be replaced or repaired by the user.

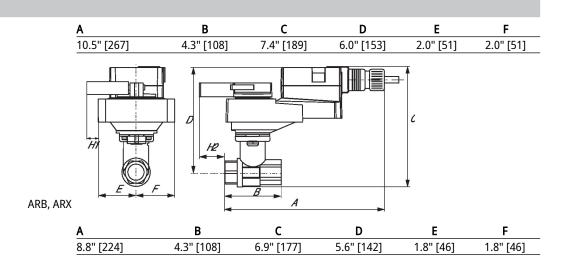


Product features			
Operating mode	The on/off ball valve is adjusted by a rotary actuator. The rotary actuator is connected by an on/off signal. Open the ball valve counterclockwise and close it clockwise.		
Installation notes			
Notes	The ball valve is a regulating device. To fulfil this control task in the long term, the circuit mus be kept free from particle debris (e.g. welding beads during installation work).		
Permissible installation orientation		ed upright to horizontal. The ball valve may not be installed in a he stem pointing downwards.	
	90°		
Servicing	Ball valves and rotary actua	tors are maintenance-free.	
	rotary actuator from the po pumps in the part of the pip appropriate slide valves close	the control element is carried out, it is essential to isolate the wer supply (by unplugging the electrical cable if necessary). Any bing system concerned must also be switched off and the sed (allow all components to cool down first if necessary and ressure to ambient pressure level).	
	-	urned to service until the ball valve and the rotary actuator have in accordance with the instructions and the pipeline has been ined personnel.	
Flow direction Please also ensure that the ba		ball is in the correct position (marking on the shaft).	
	Hoose F	Dog	
Dimensions			
Туре	DN	Weight	
B2150PW-R	40	3.3 lb [1.5 kg]	











On/Off, Spring return, 24 V







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	5 W
	Power consumption in rest position	2.5 W
	Transformer sizing	7.5 VA
	Auxiliary switch	2x SPDT, 1 mA3 A (0.5 A inductive), DC 5 VAC 250 V, 1x 10% / 1x 1190%
	Switching capacity auxiliary switch	1 mA3 A (0.5 A inductive), DC 5 VAC 250 V
	Electrical Connection	(2) 18 GA appliance cables, 3 ft [1 m], with 1/2" NPT conduit connectors
	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	90°
	Running Time (Motor)	75 s / 90°
	Running time fail-safe	<20 s
	Noise level, motor	45 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
	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
	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	5.7 lb [2.6 kg]



Technical data

Materials Housing material Galvanized steel and plastic housing

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

Electrical installation

X INSTALLATION NOTES

(A) Actuators with appliance cables are numbered.

Provide overload protection and disconnect as required.

A Two built-in auxiliary switches (2x SPDT), for end position indication, interlock control, fan startup, etc.

Actuators may be powered in parallel. Power consumption must be observed.

A Parallel wiring required for piggy-back applications.

Apply only AC line voltage or only UL-Class 2 voltage to the terminals of auxiliary switches.



Meets cULus requirements without the need of an electrical ground connection.



Warning! 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.

Wiring diagrams On/Off

