

Potable water valve, 2-way, Flange

- For potable water applications
- NSF/ANSI 372 - Lead Free
- NSF/ANSI 61 - CLD 23 - Water Quality
- CRN: OC/2102CL
- MSS SP67-2002a



2-year warranty



Technical data

Functional data	Valve size [mm]	4" [100]
	Fluid	Potable water
	Fluid Temp Range (water)	-30...120°C [-22...250°F]
	Body Pressure Rating	ANSI Class Consistent with 125, 200 psi CWP
	Close-off pressure Δps	150 psi
	Flow characteristic	modified equal percentage
	Leakage rate	0%
	Pipe connection	Flange for use with ASME/ANSI class 125/150
	Installation orientation	upright to horizontal (in relation to the stem)
	Servicing	maintenance-free
	Rangeability Sv	30:1 (for 30...70° range)
	Flow Pattern	2-way
	Controllable flow range	90° rotation
	Cv	600
	Maximum Velocity	12 FPS
	Lug threads	5/8-11 UNC
Materials	Valve body	Ductile cast iron ASTM A536
	Body finish	Epoxy powder coating (black RAL 9005)
	Stem	416 stainless steel
	Stem seal	Buna-N
	Seat	EPDM
	Bearing	RPTFE
	Disc	Aluminum Bronze
Suitable actuators	Non Fail-Safe	DRB(X) DRCB(X) N4
	Electrical fail-safe	DKRB(X)

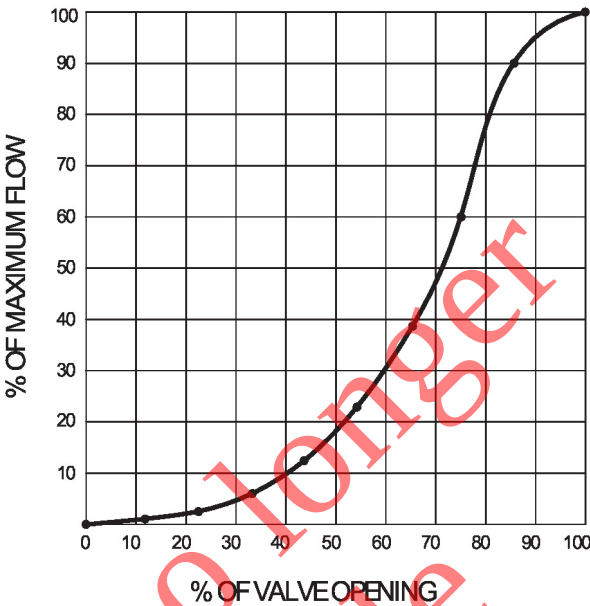
Safety notes



- The 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.

Product features

Flow/Mounting details



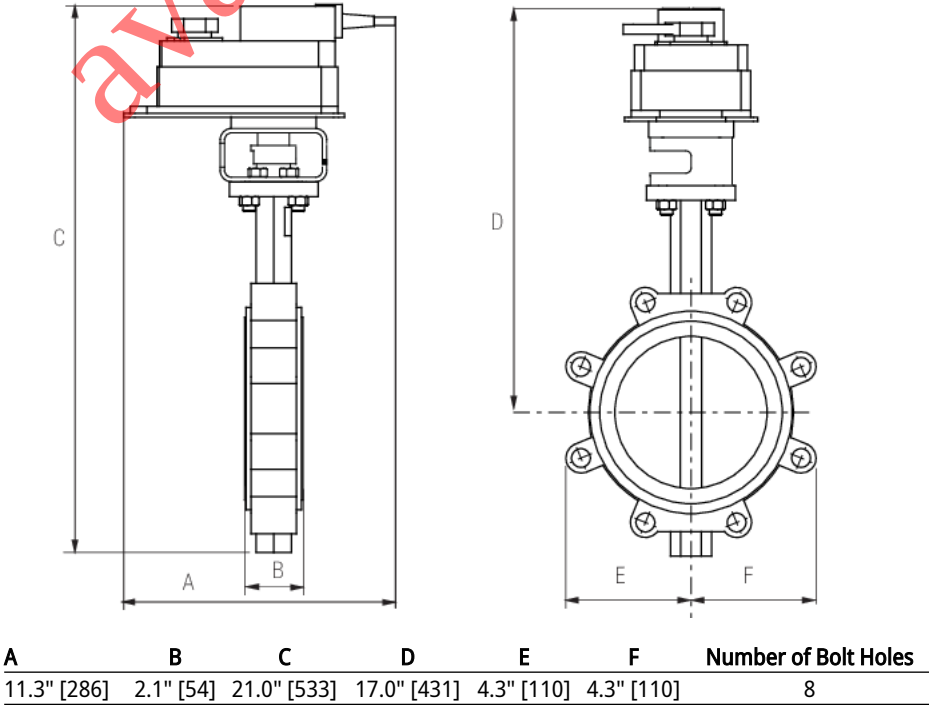
Operating mode The valve is adjusted by a rotary actuator. The rotary actuator is connected by an on/off signal. Open the ball valve counterclockwise and close it clockwise.

Dimensions

DN
100

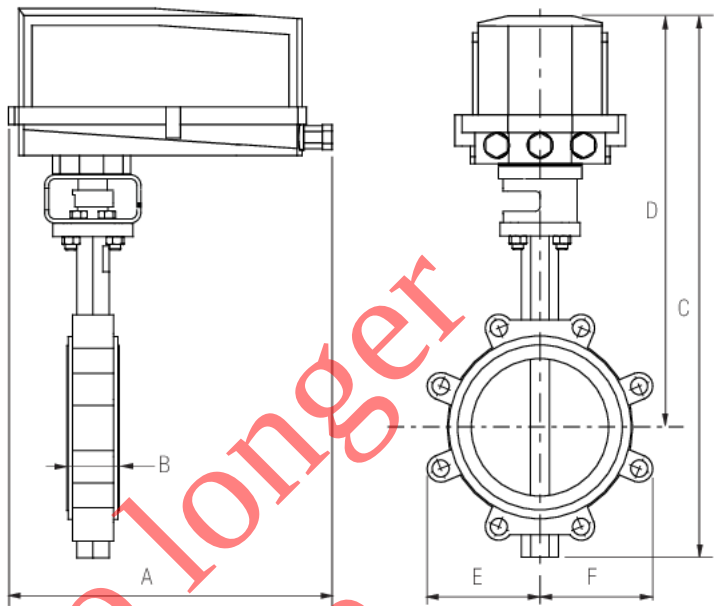
Weight
11 lb [5.0 kg]

Valve with DR/DK Actuator



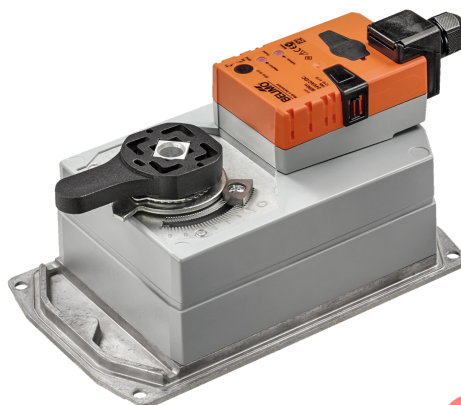
Dimensions

Valve with DR N4/DK N4 Actuator



A	B	C	D	E	F	Number of Bolt Holes
14.1" [358]	2.1" [54]	23.0" [584]	19.0" [483]	4.3" [110]	4.3" [110]	8

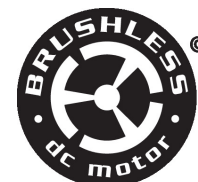
On/Off, Floating point, Non fail-safe, 24 V



Picture may differ from product



5-year warranty



Technical data

Electrical data	Nominal voltage	AC/DC 24 V
	Nominal voltage frequency	50/60 Hz
	Nominal voltage range	AC 19.2...28.8 V / DC 21.6...28.8 V
	Power consumption in operation	12 W
	Power consumption in rest position	3 W
	Transformer sizing	21 VA
	Electrical Connection	Screw terminal (for 22 to 12 AWG wire)
	Overload Protection	electronic throughout 0...90° rotation
Functional data	Direction of motion motor	selectable with switch 0/1
	Manual override	external push button
	Running Time (Motor)	35 s / 90°
	Running time motor note	constant, independent of load
	Sound power level, motor	45 dB(A)
	Position indication	integrated into handle
Safety data	Power source UL	Class 2 Supply
	Degree of protection NEMA/UL	NEMA 2
	Housing	UL Enclosure Type 2
	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	-22...122°F [-30...50°C]
	Storage temperature	-40...176°F [-40...80°C]
	Servicing	maintenance-free
Weight	Weight	2.8 lb [1.3 kg]
Materials	Housing material	Die cast aluminium and plastic casing

Footnotes Control Signal must be specified at time of order. Control cannot be changed via field wiring.

Accessories

Electrical accessories	Description	Type
	Auxiliary switch 1x SPDT add-on	S1A
	Auxiliary switch 2x SPDT add-on	S2A

Accessories

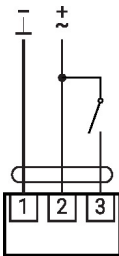
Description	Type
Feedback potentiometer 140 Ω add-on, grey	P140A GR
Feedback potentiometer 5 kΩ add-on, grey	P5000A GR
Feedback potentiometer 1 kΩ add-on, grey	P1000A GR
Feedback potentiometer 2.8 kΩ add-on, grey	P2800A GR
Feedback potentiometer 500 Ω add-on, grey	P500A GR
Feedback potentiometer 10 kΩ add-on, grey	P10000A GR

Mechanical accessories

Description	Type
	ZS-T

Electrical installation

AC/DC 24 V, on/off



AC/DC 24 V, 3-point

