

VBDW

Brass In-Line Dirty Water Valve with Reverse Flow Design

Features and Benefits

- Available in 3/4" to 2"
- Normally closed, reverse flow design ensures valve remains closed in the event of a diaphragm tear or puncture
- External bleed for manual operation
- Consisted slow and smooth closing speed reduces water hammer
- 600 lb. test nylon reinforced EPDM diaphragm
- Non-continuous flow through the solenoid and valve orifices prevents clogging
- Made of high-quality Red Brass

Operating Ranges

Flow: 5 to 190 GPM

Pressure: 10 to 200 PSI

Valve Closing Speed: 0.9 to 2.0 sec @ 50 to 100 PSI

Solenoid Specifications

Comes standard with:

8.5 VA holding: (0.35 A at 24 VAC, 60 Hz)

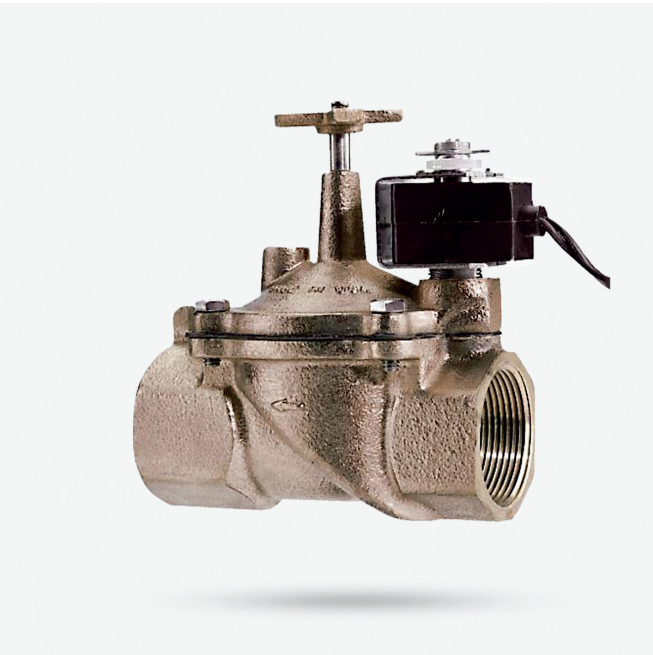
10.2 VA holding: (0.42 A at 24 VAC, 50 Hz)

Coil Resistance (DC): 18.8 Ohms

Min./Max. Voltage: 20/30 VAC

Pressure Loss in PSI

GPM	VBDW07	VBDW10	VBDW12	VBDW15	VBDW20
5	0.5	0.4	0.2		
10	1.1	1.0	0.4	0.2	
15	2.4	2.0	0.8		
20	4.3	3.4	1.1	0.6	0.3
25	7.0	5.0	1.8		
30	10.9	7.3	2.5	1.2	0.6
35	14.	10.0	3.2		
40	18.7	12.9	4.3	2.0	0.9
45		16.2	5.4		
50		20.5	6.7	3.0	1.4
55			7.9		
60			9.5	4.0	1.9
65			11.2		
70			13.0	5.8	2.5
75			14.9		
80			17.1	7.5	3.2
90				9.6	4.2
100				11.6	5.1
110				14.0	6.2
120				16.8	7.3
130				20.0	8.6
140					9.9
150					11.2
160					12.9
170					14.8
180					16.5
190					19.0



Model Description

Model No.	Description	Height	Length	Width
VBDW07	3/4" In-Line Brass Valve	4 1/2"	4"	2 1/2"
VBDW10	1" In-Line Brass Valve	4 3/4"	4 1/4"	2 1/2"
VBDW12	1 1/4" In-Line Brass Valve	5 1/4"	4 7/8"	2 3/4"
VBDW15	1 1/2" In-Line Brass Valve	6"	5"	3 1/2"
VBDW20	2" In-Line Brass Valve	6 3/4"	6"	5"

