

Model AFER EVWS

Ductile Iron "Y" Type Eco Valve Water Saver

Application

The model EVWS is designed for installation on water lines to eliminate air and turbulence from municipal water meters. It also protects downstream equipment from malfunction, pressure surges and water hammer.

Standards Compliance

- MIL-S 16293F Type 2
- Meets the requirements of NSF/ANSI 372

Materials

Main valve body Ductile Iron ASTM A536
 Access cover Ductile Iron ASTM A536
 Coatings Fusion Epoxy Finish
 (Meets requirements of NSF/ANSI/CAN 61)
 Valve Assembly Acetal Co-Polymer, 304 Stainless Steel

Features

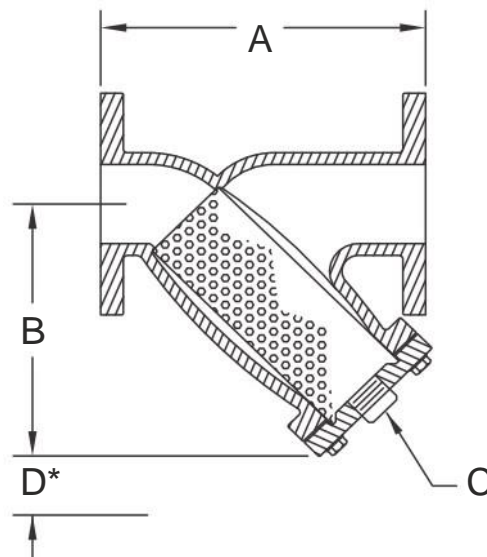
Sizes: 2 1/2", 3", 4", 6", 8", 10", 12"

Pressure/temperature: 200 psi @ 150°F WOG

End connections: ASME B16.42 Class 150

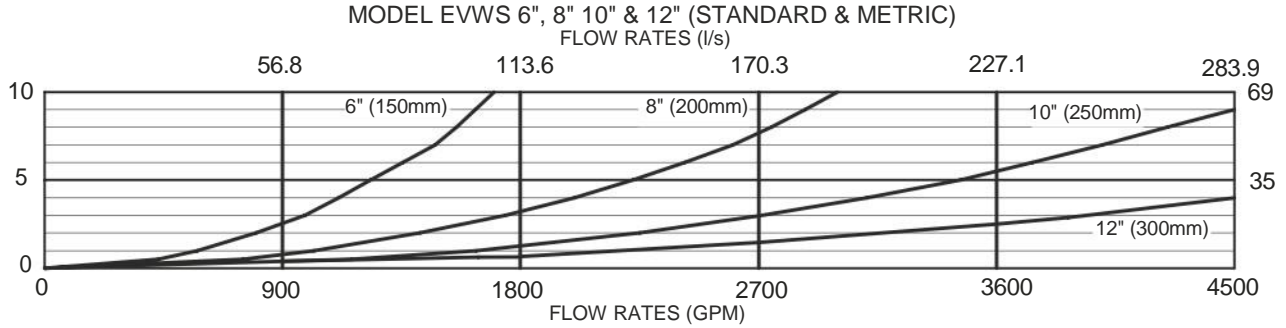
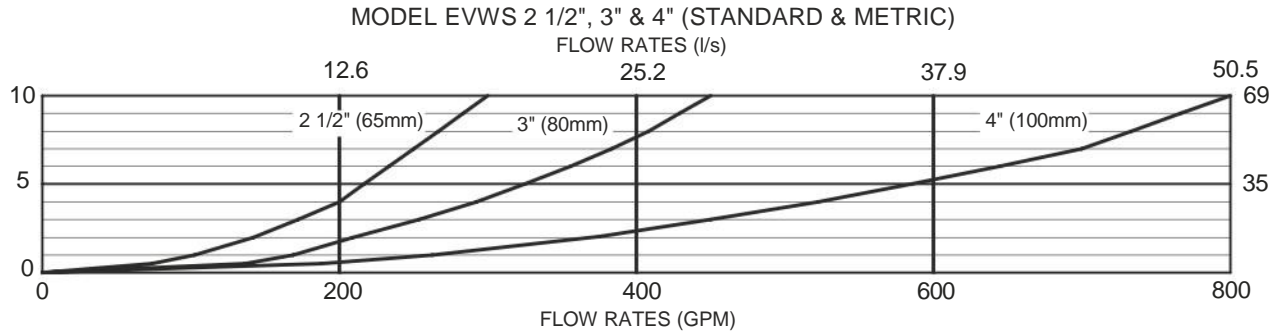


LEAD FREE



SIZE		DIMENSIONS (approximate)							WEIGHT	
		A		B		C	D*			
in	mm	in	mm	in	mm			in	mm	lbs.
2 1/2	65	10	254	8 1/4	210	1 1/4 NPT	6	152	35	16
3	80	10 1/2	267	9 1/4	235	1 1/4 NPT	6	152	45	20.5
4	100	15	381	12 1/2	318	2 NPT	9	229	61	27.5
6	150	18	457	14	356	2 NPT	10	254	165	75
8	200	24 1/4	616	17 3/4	451	2 NPT	11	279	239	108.5
10	250	29 1/2	749	21 1/4	540	2 NPT	14	356	394	178.5
12	300	33 3/4	857	24	610	2 NPT	17	432	500	227

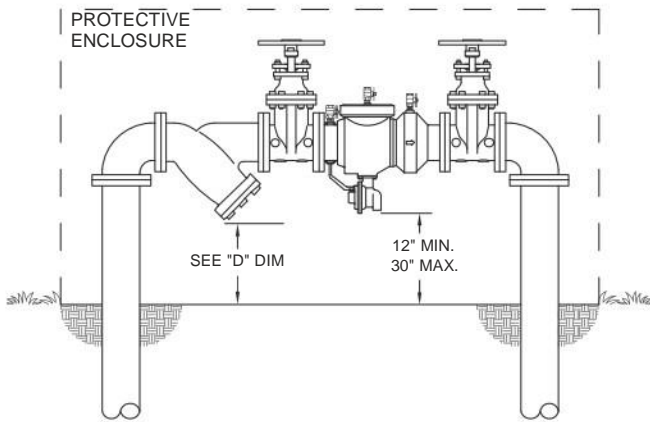
*Vertical clearance for EVWS cartridge removal



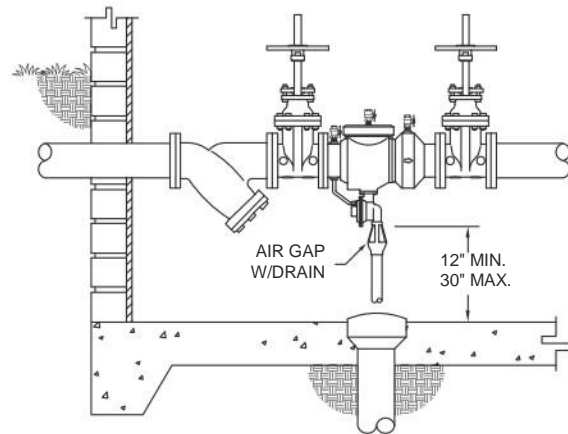
Typical Installation

Local codes shall govern installation requirements. Unless otherwise specified, the assembly shall be mounted with sufficient clearance for maintenance in accordance with the manufacturers' instructions and the latest edition of the Uniform Plumbing Code. The installation shall be made so that no part of the unit can be submerged. Horizontal installation is the preferred installation orientation, however the EVWS will properly operate in any orientation. The EVWS shall always be placed AFTER the water meter.

Capacity thru Schedule 40 Pipe (GPM)				
Pipe Size	5 ft/sec	7.5 ft/sec	10 ft/sec	15 ft/sec
2 1/2"	75	112	149	224
3"	115	173	230	346
4"	198	298	397	595
6"	450	675	900	1351
8"	780	1169	1559	2339
10"	1229	1843	2458	3687
12"	1744	2617	3489	5233



Outdoor Installation



Indoor Installation

Specifications

The Ductile Iron "Y" type EVWS shall meet the requirements of NSF/ANSI 372, and MIL-S-16293F Type 2. The main body and access cover shall be ductile iron ASTM A536 with an NSF/ANSI/CAN 61 certified Fusion Epoxy Finish coating inside and out. The integral valve assembly shall be accessible for cleaning without removing the device from the line. The Ductile Iron "Y" type meter efficiency valve shall be a Model EVWS.



Some of the advantages to using the Eco Valve Water Saver:

1. EVWS will not break electrical continuity on systems using water lines as a ground fault.
2. EVWS provides zero restrictions of the internal diameter.
3. EVWS allows for total range of pressure adjustment externally without the need of any special tool. We accommodate all pressure ranges without spring changes. Fully adjustable from maximum city inlet pressure to totally closes zero PSI.
4. EVWS provides waterline straining capabilities utilizing the standard supplied wye strainer basket.
5. Standard ANSI 150# flange mounting. Standard NPT threaded mounting. EVWS components are assembled within a standard wye strainer body.
6. No other valve on the market except for the EVWS is capable of zero restriction of flow or less than a 5 PSI pressure drop.
7. EVWS provides a 10-year warranty of performance and workmanship from date of original purchase.
8. Valve and all individual components conforms to NSF 61 & NSF 372 certifications and in process of adding CSA and Watermark certifications.
9. We also help protect the system and downstream equipment from pressure spikes and surges. We maintain more of a consistent downstream pressure smoothing out peaks and valleys of pressure differential.