

SERIES 40-500

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DESCRIPTION

The Conbraco Series 40-500 Pressure Type Vacuum Breaker is designed to prevent back-siphonage of contaminated water into a safe drinking water supply. It is ideally suitable for installation in a continuous pressure potable water supply system 12" above the overflow level of the system being supplied. It consists of a spring-loaded float disc and an independently acting check valve in a corrosion resistant material.

OPERATION

Under normal flow conditions, the check valve remains open and the float disc seals the air inlet preventing leakage. When the internal pressure of the device falls to 1 psi or below, the spring-loaded float disc opens the air inlet and the check valve closes the water inlet. This prevents back-siphonage and creation of a vacuum at the discharge line.

FEATURES

- Corrosion resistant
- Durable
- Economical
- Designed for easy maintenance
- Low head loss
- Comes standard with Apollo® full port ball valves
- Maximum working pressure 150 psig
- Operating temperature range 33°F-210°F

Contact local water authorities for installation/service requirements.

MATERIALS

Body	Bronze
Springs	Stainless Steel
Seat Discs	Silicone Rubber
Valve Canopy	Chrome Plated Brass
Float	Polyethylene
Fasteners	Stainless Steel

ORDERING NUMBER

40-50X-0X

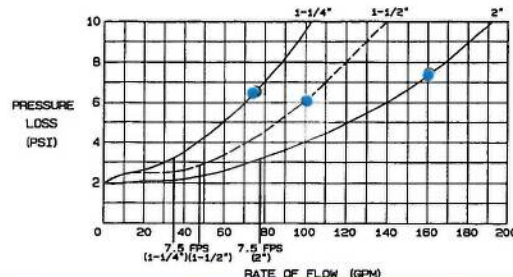
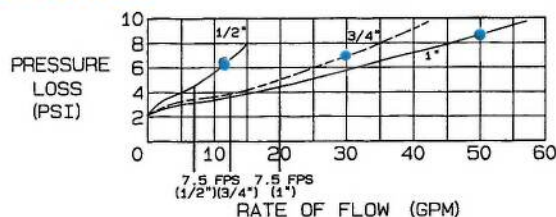
3-1/2"	1 - less ball valves
4-3/4"	2 - w/ ball valves
5-1"	4 - w/ union end ball valves
6-1-1/4"	
7-1-1/2"	
8-2"	

PRESSURE TYPE VACUUM BREAKER SIZES 1/2"—3/4"—1"—1-1/4"—1-1/2"—2"



FLOW CURVES

(*) Rated flow as determined by USC's FCC&HR and ASSE design performance standards.



DIMENSIONS (IN.)—WEIGHTS (LBS.)

Body Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
A	3-7/8	3-7/8	3-7/8	6-5/8	6-5/8	6-5/8
B (Less Ball Valves)	5-3/8	5-3/8	5-3/8	8-3/4	8-3/4	8-3/4
C	7	7-1/2	8-3/8	11-7/16	11-7/8	12-1/2
D	7-1/2	8	8-7/8	12-1/2	12-7/8	13-1/2
E	3-1/2	4	4-3/4	6-5/8	7	7-5/8
F (Less Ball Valves)	5-7/8	5-7/8	5-7/8	9-1/8	9-1/8	9-1/8
Test Cocks	1/8 x 1/4NPT	1/8 x 1/4NPT	1/8 x 1/4NPT	1/4 x 1/4NPT	1/4 x 1/4NPT	1/4 x 1/4NPT
Net Wt. (Less Ball Valves)	4.0	4.25	4.5	14.0	14.1	14.2
Net Wt. (with Ball Valves)	5.5	6.25	7.0	20.5	22.3	28.3
Shipping Wt. (Less Ball Valves)	5.0	5.25	5.5	15.2	15.6	15.7
Shipping Wt. (with Ball Valves)	6.5	7.25	8.0	21.7	23.8	29.8

