

CONBRACO 40-500/PVB-40 SERIES

<u>SIZE</u>	<u>MODEL NO</u>
1/2"	40-503
3/4"	40-504
1"	40-505
1 1/4"	40-506
1 1/2"	40-507
2"	40-508

DESCRIPTION

This is a pressure vacuum breaker assembly. Production began in 1991 and was discontinued in 2003. It is a bronze bodied unit. The check seat is cast in the body and is not replaceable. The check spring is contained when the bonnet is removed. Note each size has a different model number, but they are all in the 40-500 series.

BASIC REPAIR KIT

Repair kit contains all rubber discs and O-rings

<u>SIZE</u>	<u>KIT NO</u>
1/2"-1"	40-500-01
1 1/4"-2"	40-500-03

IMPORTANT FEATURES

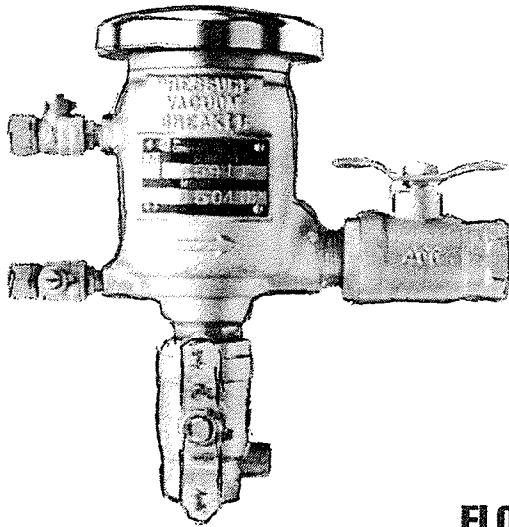
~Bronze body

~Contained springs

~Check seats are not replaceable

~Factory repair information enclosed





Pressure Type Vacuum Breaker

Sizes 1/2" — 3/4" — 1"

1-1/4" — 1-1/2" — 2"

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" ball-type shut-off valves
- Maximum Working Pressure 150 PSI
- Operating Temperature Range 33-210°F

MATERIALS

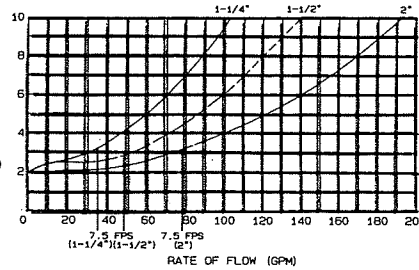
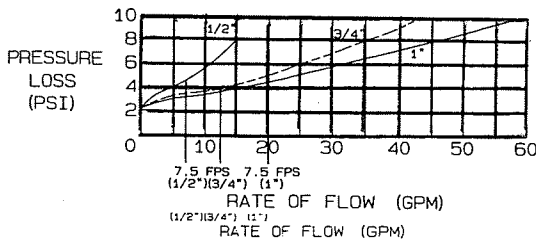
1. Body	Bronze
2. Springs	Stainless Steel
3. Seat Discs	Silicone Rubber
4. Valve Canopy	Chrome Plated Brass
5. Float	Polyethylene
6. Fasteners	Stainless Steel

ORDERING NUMBER

1/2" — 40-503
 3/4" — 40-504
 1" — 40-505
 1-1/4" — 40-506
 1-1/2" — 40-507
 2" — 40-508

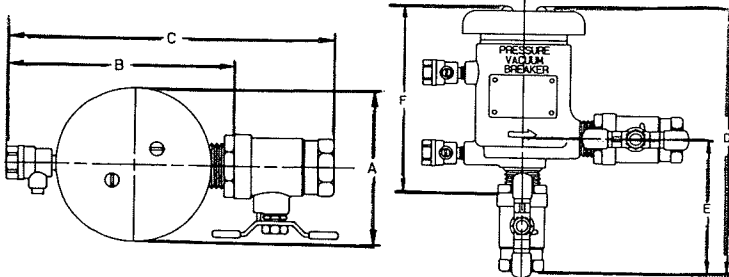
SUFFIX NUMBERS
 -01 less ball valves
 -02 with ball valves
 -04 with union end ball valves

FLOW CURVES



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)	5-7/8	5-7/8	5-7/8	8-3/4	8-3/4	8-3/4
C	8-1/4	8-1/2	9-1/8	11-7/8	12-1/8	13
D	8-1/8	8-3/8	9	12-1/8	12-13/16	13-7/8
E	3-7/8	4-1/8	4-3/4	6-1/8	6-7/8	7-15/16
F (Less Ball Valves)	5-7/8	5-7/8	5-7/8	9-1/4	9-1/4	9-1/4
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. (w/ 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. (w/ Ball Valves)	6.5	7.25	8.0	21.7	23.8	29.8



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