

SPECIFICATIONS

GENERAL SPECIFICATIONS

The backflow preventer shall be a Dual Check Valve type consisting of (2) independent and internally-loaded check valves and three (3) 1/8" NPT test ports.

The check valve shall at all times be drip-tight in the normal direction of flow and shall permit no leakage in the direction reverse to normal flow under all conditions of a pressure differential.

The backflow preventer shall be suitable for **supply pressure up to 175 psig and water temperatures from 33 to 180°F.**

The backflow preventer shall meet the requirements of the following standards: **ASSE 1024 and CSA B64.6.**

CONBRACO SPECIFICATIONS

A Dual Check Valve backflow preventer shall prevent backflow by either backpressure or backsiphonage from a cross-connection between potable water lines and substances that are objectionable, but not a health hazard.

The assembly shall consist of two (2) mechanically independent, spring loaded, poppet type check valves set in an integral cast bronze wye-pattern body and three (3) 1/8" NPT test ports.

The seat of each check valve is machined in the body and the loading of each poppet assembly is accomplished by a stainless steel compression spring retained in position by a threaded bronze cover. The cover shall serve as an access for easy repair and maintenance without removing the assembly from the line. Poppet assemblies springs and covers shall be interchangeable.

All parts shall be made of corrosion resistant materials, and shall be **100% made in the USA.**

The backflow preventer shall be suitable for supply pressure up to **175 psig and water temperatures from 33 to 180° F.**

The backflow preventer shall be listed or approved under the following standards: **ASSE 1024, and CSA B64.6.**

The manufacturing facility shall be **ISO 9001 REGISTERED.**

The backflow preventer shall be manufactured by **CONBRACO INDUSTRIES, INC.,** Matthews, North Carolina.

Dual Check Valve

Sizes 1/2" – 3/4" – 1"



FEATURES

- In-line repairable
- In-line testable
- Low head loss
- Independently acting check valves
- Compact and lightweight
- Ease of repair and installation
- Corrosion resistant
- Almost any inlet and outlet connection combination to fit your needs.
- Maximum working pressure 175 psig
- Operating temperature range 33 to 180°F.

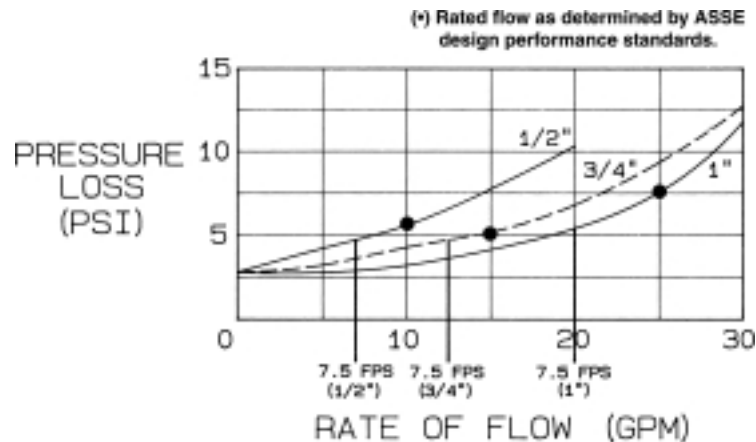


APPROVALS

The Series 40-300 is approved under **ASSE 1024 and CSA B64.6.**

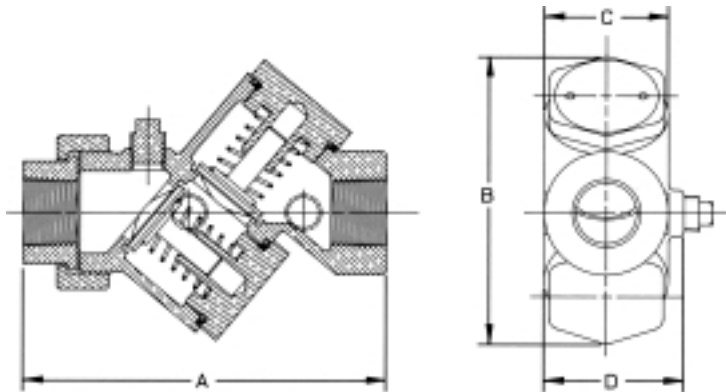


FLOW CURVES

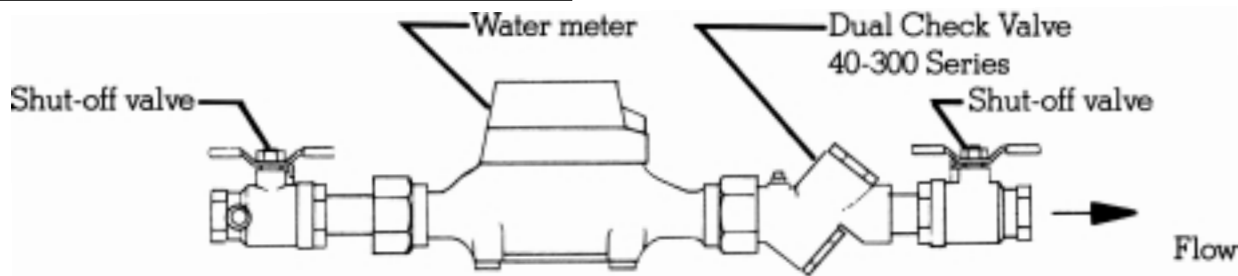


DIMENSIONS (in.) – WEIGHTS (lbs.)

Body Size	1/2"	3/4"	1"
A		4-3/8	
B		3-1/2	
C		1-1/2	
D		1-11/16	
Test port sizes		1/8" NPT	
Unit Wt. (with plugs)	2.0	2.0	2.1
Unit Wt. (with test cocks)	2.4	2.4	2.5
Unit Wt. (with T.C.'s & ball valves)	4.0	4.6	6.4
Unit Wt. (w/T.C.'s & Outlet Ball Valve)	3.2	3.4	4.4



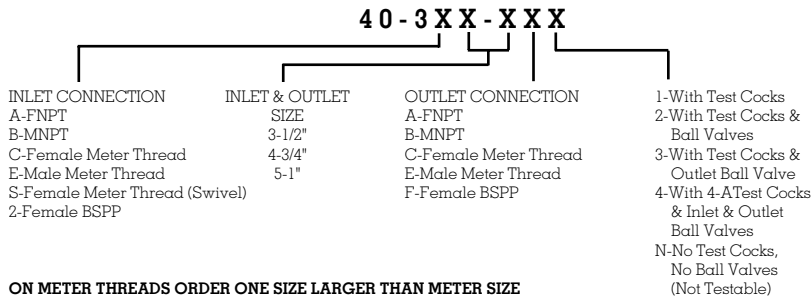
TYPICAL INSTALLATION



MATERIALS

- | | |
|------------------|-----------------|
| 1. Body & Covers | Bronze |
| 2. Springs | Stainless steel |
| 3. Seat Discs | EPDM |
| 4. Poppet | Acetal |

ORDERING NUMBER



BACKFLOW PRODUCTS DIVISION

Conbraco Industries, Inc. P.O. Box 247 Matthews, N.C. Customer Service - (704) 841-6000 FAX (704) 841-6020