Project _____

CONBRACO

MODEL DC

SPECIFICATIONS

GENERAL SPECIFICATIONS

The backflow preventer shall be a Double Check Valve type including four (4) resilient seated test cocks and two (2) resilient seated gate valves.

The Two (2) check valves shall be independently actingand internally loaded. Each check valve shallmaintain a minimum of 1 psid in the normal direction of flow, under static conditions.

The backflow preventer shall meet the requirements of the following standards: ASSE 1015 AWWA C-510,IAPMO, CSA B64.5, UL and FM.

CONBRACO SPECIFICATIONS

A Double 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.

It shall consist of two (2) independent, spring loaded,swing type check valves set in an epoxy-coated (FDA approved) ductile iron body. The assembly shall have four (4) quarter-turn, full-port, resilient-seated, ball type test cocks and two (2) resilient-wedge gate valves.

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

The seat of each check valve shall be replaceable. The loading of each swing check assembly shall be accomplished by a stainless steel compression spring in a self-contained spring assembly. The cover shall serve to secure the check assembly and as an access for easy repair and maintenance without removing the assembly from the line. Check assemblies, and covers shall be interchangeable.

The backflow preventer shall be suitable for supply pressure up to 175 psi and water temperatures from 33 to 140˚F.

The assembly shall be designed to meet the requirements of the following standards: ASSE 1015, AWWA C-510, IAPMO, CSA B64.5, UL and FM.

The manufacturing facility shall be ISO 9001 REGISTERED.

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

Double Check Valve Assemby

Sizes 8" - 10"

PROUDLY MADE IN USA
ISO 9001
REGISTERED

FEATURES

- Corrosion Resistant
- Replaceable EPDM Seat Discs
- Low Head Loss
- Economical
- Short Lay Length
- Light Weight
- Damage Resistant Sensing Passage
- Designed For Easy Maintenance
- Maximum Working Pressure 175 PSI
- Operating Temperature Range 33-140˚F
- U.S. Patent #6,343,618

Contact local water authorities
for installation / service requirements.

APPROVALS

The Model is approved under ASSE 1015,

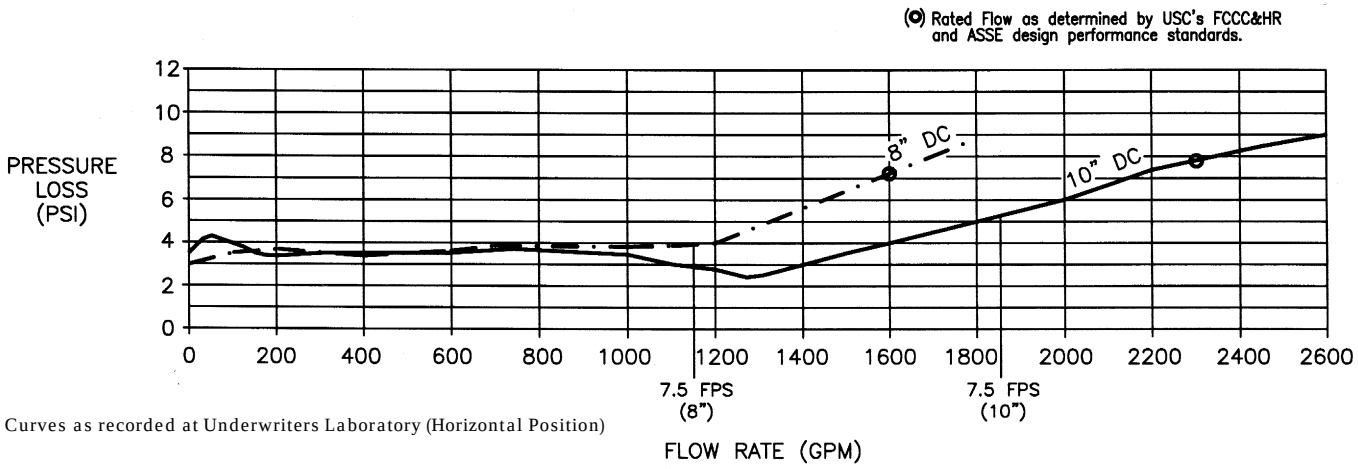
AWWA C-510, IAPMO, CSA B64.5, UL Classified FM.

UL, FM approved backflow preventers must include OS&Y gate valves.

ASSE CSA UPC CLASSIFIED UL FM APPROVED

BFSS4S08

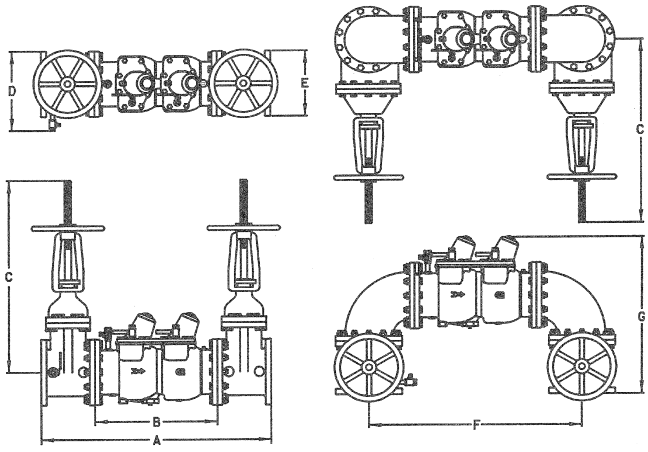
FLOW CURVES



Curves as recorded at Underwriters Laboratory (Horizontal Position)

DIMENSIONS (in.) - WEIGHT (lbs.)

SIZE	8"	10"
A	50	55 1/2
B	27	29 1/2
C (NRS)	22 1/2	26 1/2
C (OS&Y) OPEN	37 3/4	46 3/4
D	17	19 1/2
E	13 1/2	16
F	45 ?	51 ?
G	35	38 1/4
Test Cocks	3/4 NPT	3/4 NPT
Net Wt. (Less Gate Valves)	420	470
Net Wt. (w/ NRS Valves)	856	1175
Net Wt. (w/NRS Valves & Elbows)	1085	1548
Net Wt. (w/OS&Y Valves)	920	1320
Net Wt. (w/OS&Y Valves & Elbows)	1148	1693
Net Wt. (w/Epoxy-Coated Ball Valves)	1105	N/A
Net Wt. (w/Post Indicator)	911	1280
Shpg. Wt. (Less Gate Valves)	510	565
Shpg. Wt. (w/NRS Valves)	936	1265
Shpg. Wt. (w/NRS Valves & Elbows)	1164	1638
Shpg. Wt. (w/OS&Y Valves)	1026	1420
Shpg. Wt. (w/OS&Y Valves & Elbows)	1254	1793
Shpg. Wt. (w/Epoxy-Coated Ball Valves)	1224	N/A
Shpg. Wt. (w/Post Indicator)	1017	1390



MATERIALS

Body and covers	FDA Approved epoxy coated ductile iron
Springs	Stainless Steel
Seats	Cast Bronze
C.V. Seat Discs	EPDM
Fasteners	Stainless Steel

*Note: Gate valve options 5,7, and 8 not avaiable on 10" size.

ORDERING NUMBERS

4S-1 X X-0 X X

- 0 - Standard
- 1 – w/Y-Strainer (shipped loose)

Sizes
- E - 8"
- G - 10"

- 1 – Less Gate Valves
- 2 – w/NRS Gate Valves
- 3 – w/OS&Y Gate Valves
- 5 – w/Epoxy-Coated Ball Valves*
- 6 – w/Post Indicator
- 7 – w/Flanged Inlet x Grooved Outlet (OS&Y)*
- 8 – w/Grooved x Grooved OS&Y gate valves

- U – U flow

BACKFLOW PRODUCTS DIVISION

Conbraco Industries, Inc. PO Box 247 Matthews, NC 28106 (704) 841-6000 FAX (704) 841-6020-USA-

PRINTED IN USA www.conbraco.com

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