



Project _____
SERIES 40-200

SPECIFICATIONS

GENERAL SPECIFICATIONS

The backflow preventer shall be a Reduced Pressure Principle type including four (4) resilient-seated test cocks and two (2) resilient-seated gate valves.

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

Both check valves shall be top-mounted for ease of testing, repair and maintenance.

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: **USC's FCCC & HR Manual, Sec. 10, ASSE 1015, AWWA C-510 and CSA B64.4.**

CONBRACO SPECIFICATIONS

A Reduced Pressure Principle backflow preventer shall prevent backflow by either backpressure or back-siphonage from a cross-connection between potable water system and substances that are non-health and health hazards.

It shall consist of two (2) mechanically independent, spring loaded, poppet type check valves and a hydraulically dependent differential pressure relief valve set in an integral cast bronze body. The assembly shall have four (4) test cocks and two (2) shut-off valves which are quarter turn, full port, resilient seated and ball type.

The seat of each check valve and the relief valve shall be replaceable. The loading of each check valve poppet assembly shall be accomplished by a stainless steel compression spring retained in position by a threaded bronze cover.

The differential pressure relief valve shall be located between and below the check valves and the sensing passage shall be casted internally into the body. The relief valve shall be spring loaded to open and diaphragm actuated to remain in the closed position by means of a differential pressure.

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 assembly shall be listed or approved under the following standards: **USC's FCCC & HR Manual, Sec. 10, ASSE 1013, and CSA B64.4.**

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

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

Reduced Pressure Principle

Sizes 1/4" - 3/8" - 1/2" - 3/4" - 1" - 1 1/4" - 1 1/2" - 2"



FEATURES

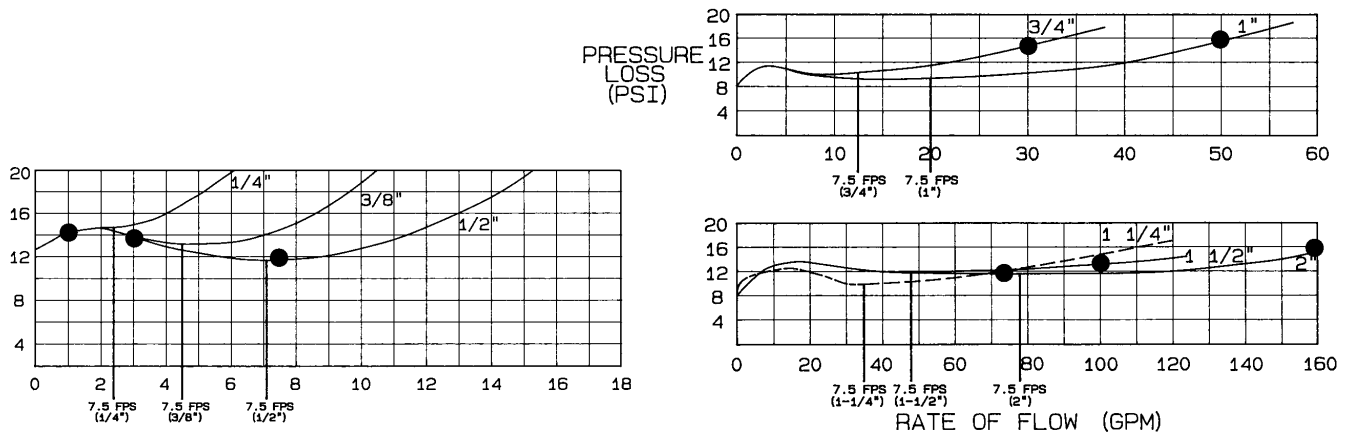
- Maximum protection against backpressure/back-siphonage
- Removable discs
- Internal Sensing Passage
- Designed for Easy Maintenance
- Low Head Loss
- Economical
- Corrosion Resistant
- Comes standard with "Apollo®" Full Port Ball Valves
- Maximum working pressure 175 PSIG
- Operating Temperature Range 33-180° F
- Replaceable Seats

APPROVALS

The Series 40-200 Top Entry is approved under **USC's, FCCC & HR Manual, Sec. 10, ASSE 1013, and CSA B64.4.**



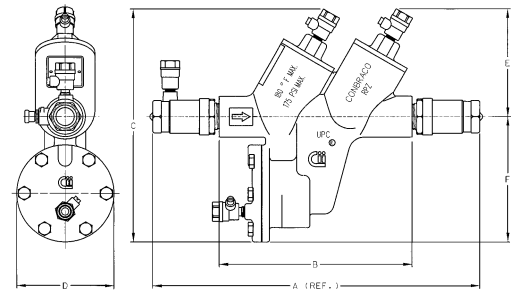
FLOW CURVES WITH BALL VALVES



DIMENSIONS (in.) – WEIGHTS (lbs.)

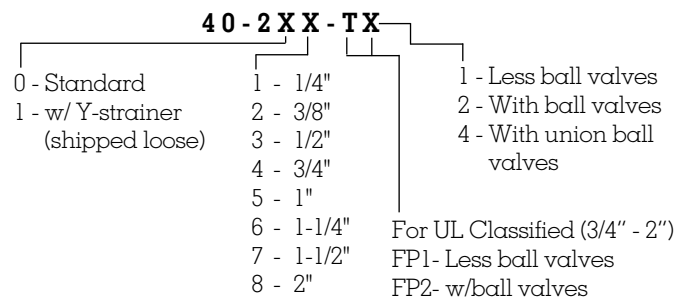
Body Size	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
A	10-3/16	10-1/4	10-3/4	13-3/4	15-3/8	17-1/2	19-1/2	21-1/2
B (w/o Ball Valves)	5-3/4	5-3/4	5-3/4	8	8	11	11	11
C	6-7/8	6-7/8	6-7/8	9-3/4	9-3/4	12-5/8	12-5/8	12-5/8
D	2-5/8	2-5/8	2-5/8	4-1/16	4-1/16	5-3/8	5-3/8	5-3/8
E	3-1/8	3-1/8	3-1/8	4-1/2	4-1/2	5-11/16	5-11/16	5-11/16
F	3-3/4	3-3/4	3-3/4	5-1/8	5-1/8	7-1/8	7-1/8	7-1/8
Test Cocks	1/8x1/4NPT	1/8x1/4NPT	1/8x1/4NPT	1/8x1/4NPT	1/8x1/4NPT	1/4x1/4NPT	1/4x1/4NPT	1/4x1/4NPT
Net Wt. (w/o Ball Valves)	5.7	5.7	5.1	11-1/2	11	30-1/2	27-1/2	27
Net Wt. (w/ Ball Valves)	7.0	7.0	7.4	14	14-1/2	35-1/2	37	39-1/2
Shpg. Wt. (w/o Ball Valves)	6.6	6.6	6.0	12-1/2	12	32-1/2	29	29
Shpg. Wt. (w/ Ball Valves)	7.9	7.9	8.3	15	15-1/2	38	39	41

NOTE: Weights do not include strainer.
Strainer shipped loose.



MATERIALS ORDERING NUMBERS

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| 1. Body & Covers | – Bronze |
| 2. Springs | – Stainless steel |
| 3. Poppets | – Glass-Filled Celcon |
| 4. Seat Discs | – Silicone rubber |
| 5. Diaphragm | – Nitrile and Nylon |
| 6. R.V. Stem | – Noryl |
| 7. Fasteners | – Stainless Steel |
| 8. Replaceable seats | – Glass-Filled Noryl |



BACKFLOW PRODUCTS DIVISION

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