



36H SERIES

SPECIFICATIONS

GENERAL SPECIFICATIONS

The Pressure Reducing Valve shall be designed to reduce static or flowing inlet pressure to a desired lower outlet pressure in a water distribution system.

The unit shall be spring-loaded and diaphragm actuated to maintain lower pressure at the desired level. It shall include an integral by-pass feature, a water-tight sealed cage design, bottom access for easy repair and maintenance without disturbing pressure setting and without removing the unit from the line. The seat shall be replaceable.

The valve shall be suitable for **supply pressure up to 400 psig** and **water temperature from 33° to 180°F**.

It shall meet the requirements of the following standards: **ASSE 1003, CSA B356 and IAPMO**.

CONBRACO SPECIFICATIONS

The Pressure Reducing Valve shall be designed to reduce static or flowing supply pressure (up to 400 psig) to a desired lower outlet pressure in a water distribution system.

The unit shall be spring-loaded and diaphragm actuated to maintain lower pressure at the desired level. It shall include an integral by-pass feature for thermal expansion protection, a water-tight sealed cage design for moisture and corrosion protection, bottom access of internal parts for easy repair and maintenance without disturbing pressure setting and without removing the device from the line. It shall have a replaceable stainless steel seat.

The valve shall be made of corrosion resistant materials (including stainless steel spring, adjusting screw and fasteners) and shall be **100% made in the USA**.

The device shall be suitable for **supply pressure up to 400 psig** and **water temperatures from 33° to 180°F**.

The device shall be approved or listed under **ASSE 1003, CSA B356, and IAPMO** standards.

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

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

Water Pressure Reducing Valve

Sizes 1/2", 3/4", 1", 1 1/4", 1-1/2", 2", 2-1/2" & 3"



FEATURES

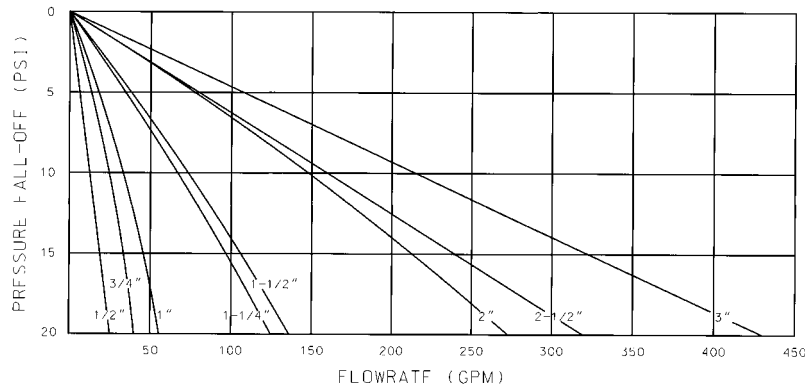
- High Capacity (GPM)
- Totally Corrosion Resistant
- Integral By-pass Relief (Standard)
- Water-tight Sealed Cage Design (Standard)
- All Bronze Body and Spring Cage
- Stainless Steel Spring, Adjusting Screw Seat and Fasteners
- Stainless Steel Replaceable Seat
- Large Plug for Bottom Access of Internal Parts
- Easy Repair and Maintenance
- No special tools required
- Maximum Working Pressure 400 psig
- Operating Temperature Range 33° to 180°F

APPROVALS

The 36H Series Pressure Reducing Valve is approved or listed under the following standards: **ASSE 1003, CSA B356, and IAPMO**.



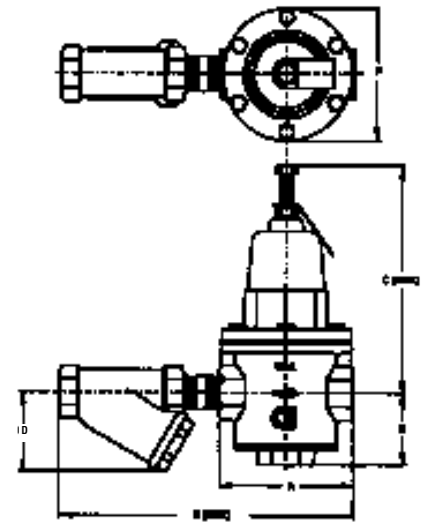
FLOW CURVES



CAPACITIES: SET PRESSURE DIFFERENCE = 50 PSIG AT STATIC (NO-FLOW) CONDITIONS

DIMENSIONS (in.) and WEIGHTS (lbs.)

Size (NPT)	A	B	C	D	E	F	Wt. With Strainer	Wt. Without Strainer
1/2"	4-1/8	2-1/4	7	1-7/8	8-3/8	4	7	6
3/4"	4-1/8	2-1/4	7	2-7/16	9	4	8	6
1"	4-7/8	2-5/16	7-1/2	4	10-1/4	4-11/16	12	8
1-1/4"	6-3/4"	3-3/16"	10	3-3/8"	12-1/2"	6-1/2"	29	24
1-1/2"	6-3/4"	3-3/16"	10	3-7/8"	13-1/8"	6-1/2"	29	23
2"	8-1/8"	3-1/2"	12-1/2"	4-5/8"	16"	7-5/8"	47	38
2-1/2"	8-1/8"	3-1/2"	12-1/2"	5-15/16"	16-11/16"	7-5/8"	49	37
3"	10-3/8"	3-15/16"	15-1/8"	5-15/16"	20-11/2"	9-3/4"	87	70
Flanged								
2"	10-3/8"	3-1/2"	12-1/2"	6-1/4"	20"	7-5/8"	79	49
2-1/2"	10-3/8"	3-1/2"	12-1/2"	7-1/8"	21-11.16"	7-5/8"	105	55
3"	12-1/2"	3-15/16"	15-1/8"	6-1/8"	24-1/2"	9-3/4"	136	92



MATERIALS

- Body, Spring Cage & Bottom Plug – Bronze
- Seat – Stainless Steel
- Seat Disc – EPDM
- Spring – Stainless Steel
- Diaphragm – Nitrile w/Nylon Reinforcement
- Spring Retainer – Stainless Steel
- Yoke – Bronze
- Adjustment Screw – Stainless Steel
- Seat Disc Holder – Bronze
- O-Rings – Nitrile
- Fasteners – Stainless Steel
- Strainer (Optional) – Bronze

ORDERING NUMBERS

3 6 H - X X X - 0 X

CONNECTION

- 2 – FNPT
- 7* – Flanged (2"-3" only)

SIZE

- 3 – 1/2" 7 - 1 1/2"
- 4 – 3/4" 8 - 2
- 5 – 1" 9 - 2 1/2"
- 6 – 1 1/4" 0 - 3"

OPTION

- 0 – Std.
- 1 – With Strainer

PRESSURE RANGE

- 1 – Std. (25-75 psig)
- 2* – Low Pressure (10-35 psig)
- 3* – High Pressure (75-125 psig)

PLUMBING & HEATING PRODUCTS DIVISION

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