

Backflow Preventers

Reduced Pressure Principle Devices

40-200 SERIES



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



EPOXY COATED DUCTILE IRON REDUCED PRESSURE PRINCIPLE

The Conbraco Series 40-200 Reduced Pressure Backflow Preventer consists of two independently acting, spring-loaded check valves with a differential pressure relief valve located between the check valves. The all bronze relief valve module is easily removed from the ductile iron check valve body. Pressure sensing passages are built into the bronze relief valve module to prevent possible damage from mishandling or vandalism. The unit is available with inlet and outlet shut-off valves. Four test cocks, three on the backflow preventer valve body and one on the inlet shut-off valve, complete the assembly.

FEATURES

- Maximum protection against back-pressure/back-siphonage
- Removable bronze seats
- Replaceable discs
- Internal sensing passage
- Designed for easy maintenance
- Low head loss
- Economical
- Corrosion resistant
- Maximum working pressure 175 psig
- Operating temperature range 33°F -140°F
- Designed, manufactured, assembled and tested in South Carolina, USA

40 - 2 **X**

Y-STRAINER

- 0-Standard
- 1-w/ Y-strainer (shipped loose)

X

SIZE (in.)

- 9 - 2-1/2
- 0 - 3
- A - 4

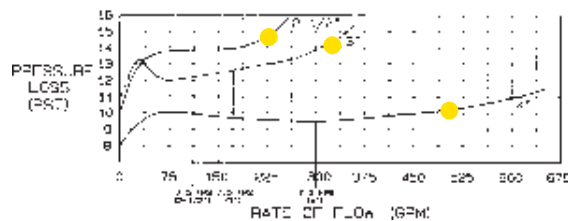
- 0 **X**

VALVES

- 1-less gate valves
- 2-w/ NRS gate valves
- 3-w/OS&Y gate valves
- 5-w/Epoxy coated ball valves

FLOW CURVES

(*) Rated flow as determined by USC's FCCC&HR and ASSE design performance standards.



Size (in.)	Dimensions (in.) – Weights (lbs.)		
	2-1/2	3	4
A	37.06	38.06	46.75
B	22.06	22.06	28.50
C NRS	20.87	21.87	25.19
C OS&Y (OPEN)	25.87	28.37	33.19
D NRS	11.37	12.37	14.75
D OS&Y (OPEN)	16.37	18.87	22.75
E	9.50	9.50	10.44
F	9.62	10.37	11.87
G	7.00	7.50	09.00
Test Cocks	1/2 x 1/2 NPT	1/2 x 1/2 NPT	1/2 x 1/2 NPT
Net Wt. (Less Gate Valves)	120.00	122.00	196.00
Net Wt. (With NRS Valves)	219.00	252.00	388.00
Net Wt. (With OS&Y Valves)	229.00	259.00	402.00
Net Wt. (With Ball Valves)	188.00	198.00	312.00
Shpg. Wt. (Less gate Valves)	184.00	186.00	260.00
Shpg. Wt. (With NRS Valves)	283.00	316.00	452.00
Shpg. Wt. (With OS&Y Valves)	293.00	323.00	466.00
Shpg. Wt. (With Ball Valves)	252.00	262.00	376.00

Backflow Preventers

EPOXY COATED DUCTILE IRON REDUCED PRESSURE PRINCIPLE

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FEATURES

- Maximum protection against back-pressure/back-siphonage
- Removable bronze seats
- Replaceable discs
- Internal sensing passage
- Designed for easy maintenance
- Low head loss
- Economical
- Corrosion resistant
- Maximum working pressure 175 psig
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40 - 2 X

Y-STRAINER

0-Standard

1-w/ Y-strainer (shipped loose)

X - 0 X

SIZE (in.)

C - 6

E - 8

G - 10

VALVES

1-less gate valves

2-w/ NRS gate valves

3-w/OS&Y gate valves

5-w/Epoxy coated ball valves

Reduced Pressure Principle Devices

40-200 SERIES

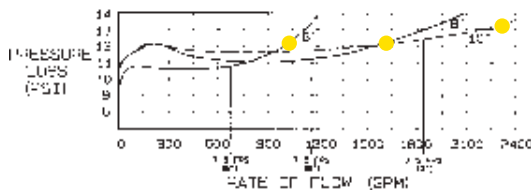


Sizes 6", 8", 10"



FLOW CURVES

(*) Rated flow as determined by USC's FCC&HR and ASSE design performance standards.



Size (in.)	Dimensions (in.) – Weights (lbs.)		
	6	8	10
A	63.00	75.00	88.25
B	42.00	52.00	62.06
C NRS	30.50	38.50	44.00
C OS&Y (OPEN)	41.62	53.75	63.25
D NRS	19.00	22.50	26.50
D OS&Y (OPEN)	30.12	37.75	45.75
E	11.50	16.00	17.50
F	14.62	16.75	19.25
G	11.00	13.50	16.00
Test Cocks	3/4 x 3/4 NPT	3/4 x 3/4 NPT	3/4 x 3/4 NPT
Net Wt. (Less Gate Valves)	430.00	715.00	1443.00
Net Wt. (With NRS Valves)	736.00	1155.00	2148.00
Net Wt. (With OS&Y Valves)	754.00	1210.00	2286.00
Net Wt. (With Ball Valves)	666.00	N/A	N/A
Shpg. Wt. (Less gate Valves)	528.00	885.00	1613.00
Shpg. Wt. (With NRS Valves)	872.00	1335.00	2364.00
Shpg. Wt. (With OS&Y Valves)	890.00	1390.00	2502.00
Shpg. Wt. (With Ball Valves)	836.00	N/A	N/A

