

SERIES 40-200 "U" & "Z" Flow Reduced Pressure Principle 3/4" to 2"

OPERATION

During normal flow conditions, the two check valves are held off their seats, supplying water downstream. The relief valve is held shut by supply pressure acting through the internal sensing passage, on the relief valve diaphragm. In the area between the check valves, called the zone, the pressure is maintained at approximately 7 psi lower than supply pressure. Should a back-pressure or back-siphonage condition occur, the second check valve will seal, prohibiting the backflow of water. Should the second check valve become fouled, the pressure in the zone will increase causing the differential relief valve to open to atmosphere. This maintains zone pressure of at least 2 psi lower than supply pressure.



FEATURES

- Max protection vs. backpressure & siphonage
- Installation flexibility & low cost
- Internal sensing passage
- Low head loss
- Removable seat discs, replaceable seats
- Apollo® full port ball valves with steel handles
- Maximum working pressure 175 psig
- Temperature range 33°F-180°F

DESCRIPTION

Designed to give maximum protection against backflow caused by either back-pressure or back-siphonage. The durable and economical device is easily maintained in-line without any special tools. It consists of two independently acting spring-loaded checks with an automatic differential relief valve located between the checks. The diaphragm and the sensing passage are built into body to eliminate damage. Installation is flexible via inlet and outlet bronze elbows.

APPROVALS

ASSE 1013, CSA B64.4 and USC FCCC&HR.

MODELS

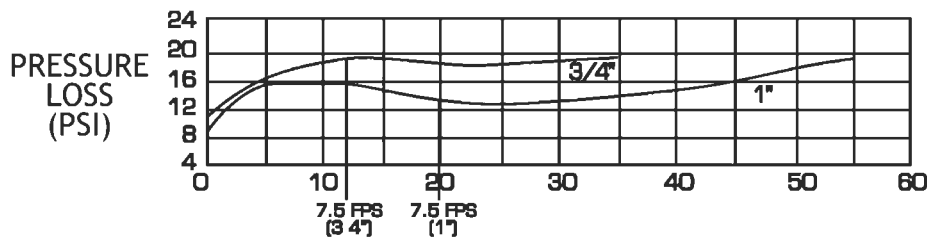
3/4"	40-204-A2X
1"	40-205-A2X
1-1/4"	40-206-A2X
1-1/2"	40-207-A2X
2"	40-208-A2X

For "U" Flow model, replace the "X" with "U".
For "Z" Flow model, replace the "X" with "Z".

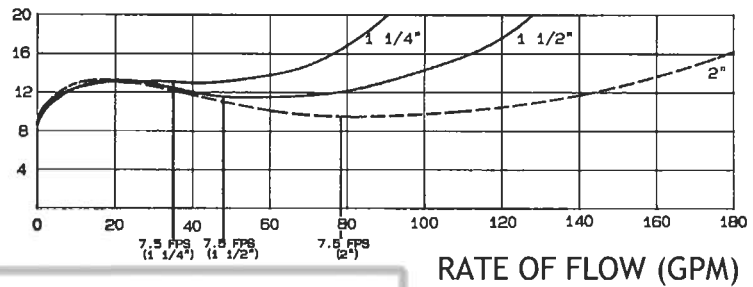
MATERIALS

Body and covers	Bronze
Springs	Stainless Steel
Poppets	Glass-Filled Celcon
Seat discs	Silicone Rubber
Diaphragm	Buna N & Nylon
Fasteners	Stainless Steel
Relief valve stem	Noryl
Replaceable seats	Glass-Filled Noryl

FLOW CURVES

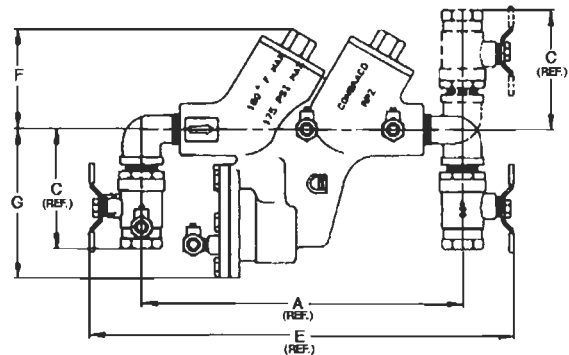
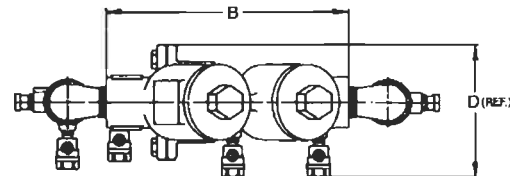


Model 40-200
"U" & "Z" Flow



DIMENSIONS & WEIGHTS

Body Size	3/4"	1"	1-1/4"	1-1/2"	2"
A	10-1/2	10-13/16	14-3/8	15-1/8	15-3/4
B	8	8	11	11	11
C	4-1/8	5-1/4	6	6-5/8	7-5/8
D	5	5	5-3/4	5-7/8	6-1/4
E	13-1/2	15-1/8	18-5/8	20-3/4	22-1/8
F	3-1/4	3-1/4	4-3/4	4-3/4	4-3/4
G	5-1/8	5-1/8	7-1/8	7-1/8	7-1/8
Test Cocks	1/8x1/4 NPT	1/8x1/4NPT	1/4x1/4NPT	1/4x1/4NPT	1/4x1/4NPT
Net Wt. (with Ball Valves)	14.7	15.6	37-1/2	39-3/8	43-3/4
Shipping Wt. (with Ball Valves)	15.7	16.6	40	41-3/8	



REPAIR PARTS

For internal parts and repair kits, please see model 40-200 parts pages.



ORDERING NUMBERS

4 0 - 2 0 X - A 2 X

4 - 3/4"

5 - 1"

6 - 1 1/4"

7 - 1 1/2"

8 - 2"

2 With ball valves

U - U-Flow

Z - Z-Flow

American Backflow Specialties

www.americanbackflow.com

(800) 66-BKFLO

(619) 527-2525

Fax: (619) 527-2527