

Beeco Model 14 Reduced Pressure Backflow Preventer (3/4" through 6")

FEATURES

- Corrosion resistant materials
- Low head loss.
- Internal R.V. sensing line.
- All seats are replaceable.
- All springs are contained.
- Modularized check assembly.

This assembly was produced from around 1968 to 1975. It must be removed from the line for repair.

APPROVALS

Meets the requirements of AWWA Standard C506-69 Backflow Preventers. ASSE Standard 1013, FCCC & HR at University of Southern California.

DESCRIPTION

The BEECO Model 14 Reduced Pressure Backflow Preventer operates on the principle that water will not flow from a zone of lower pressure to one of higher pressure. The device consists of two spring-loaded check valves and a spring loaded, diaphragm actuated, differential pressure relief valve located in the zone between the check valves. The pressure relief valve is located below the first check for maximum protection against backflow.

The relief valve opens whenever pressure upstream from the first check drops below 2 PSI greater than the pressure in the zone between the two checks. The relief valve remains open until a positive pressure differential of 2 PSI is re-established. If pressure upstream of the first check drops to atmosphere or lower, pressure in the zone between the two checks shall reduce to create an air gap greater than the diameter of the inlet pipe.

MATERIALS & CHARACTERISTICS

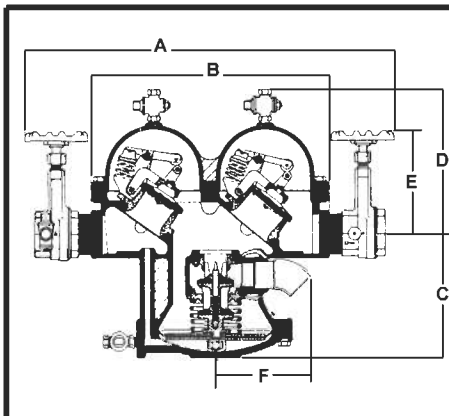
Body	Bronze, 6" Cast Iron
Working Parts	Bronze & Stainless Steel
Springs	Stainless Steel
Check Valve Discs	Silicone Rubber
Diaphragm	Neoprene Coated Cotton Duck
Maximum Working Pressure	175 Psi
Hydrostatic Test Pressure	350 Psi
Temperature Range	33°F – 110°F



ORDERING INFO

Specify end detail and backflow preventer with or without gate valves. If ordered with gate valves, the necessary test cock and fittings will be installed on the inlet side of the inlet valve.

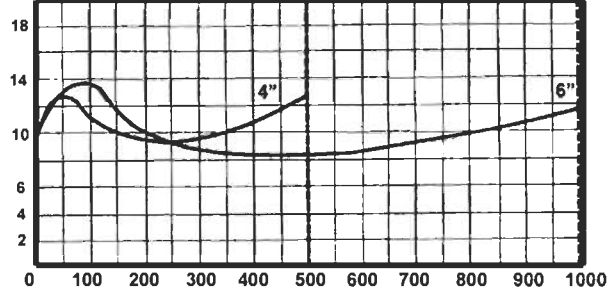
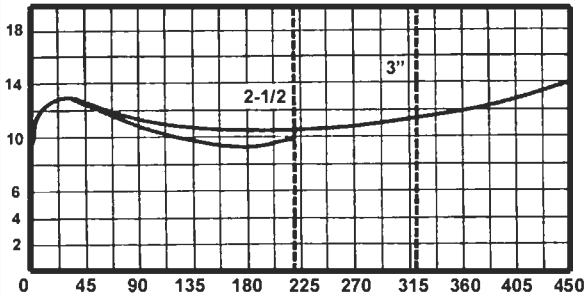
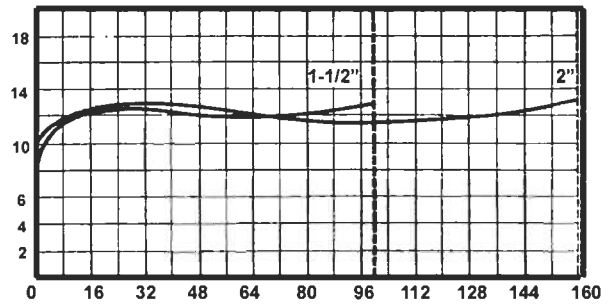
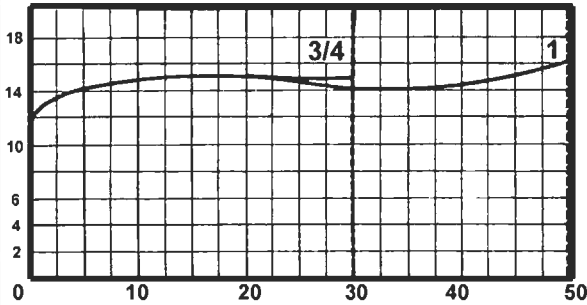
DIMENSIONS



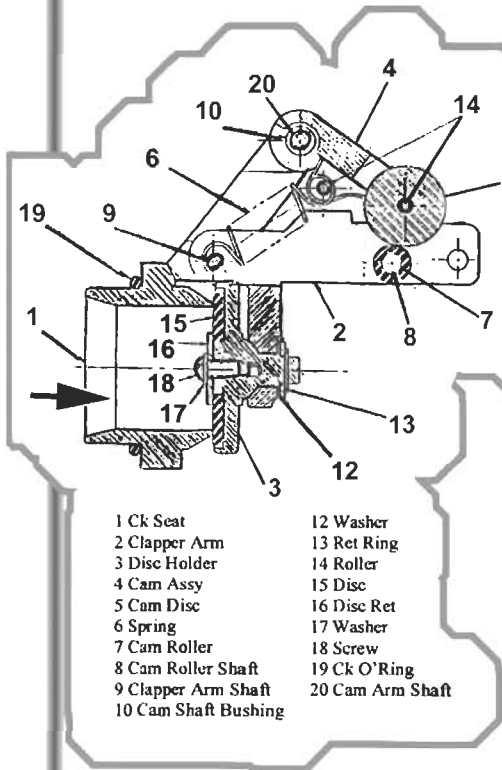
	Dimensions and Weights										
	Size	3/4"	1"	1"	1 1/2"	1 1/2"	2"	2 1/2"	3"	4"	6"
End Detail	SCR.	SCR.	FLG.	SCR.	FLG.	SCR.	FLG.	FLG.	FLG.	FLG.	FLG.
Rated GPM*	30	50	50	100	100	160	160	225	320	500	1000
A	17 3/8"	16 3/4"	22 5/8"	18 7/8"	25 1/8"	20 5/8"	32"	35 1/8"	40 1/8"	45 3/8"	61 1/8"
B	13 1/4"	12 3/8"	14 5/8"	13 1/8"	16 1/4"	14 1/4"	17 13/16"	20"	24"	27 3/8"	40"
C	5 1/4"	5 1/4"	5 1/4"	6 5/16"	6 5/16"	7 1/2"	7 1/2"	7 9/16"	7 3/4"	8 3/8"	11"
D	7 1/2"	7 1/2"	7 1/2"	7 9/16"	7 9/16"	8 11/16"	8 11/16"	9 1/2"	10 5/8"	10 11/16"	15"
E	4 1/16"	5 3/16"	6"	7 1/16"	10 1/2"	8 5/8"	11 3/16"	12 1/2"	13 1/8"	15 1/4"	19 3/4"
F	4 7/8"	4 7/8"	4 7/8"	4 7/16"	4 7/16"	5 11/16"	5 11/16"	5 13/16"	6 1/16"	6 1/8"	8 3/4"
Relief Valve Opening	1/2"	1/2"	1/2"	1"	1"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
Size of Test Cocks	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/2"	1/2"	1/2"	3/4"
Net WL No Valves Lbs.	34	34	37	65	71	87	97	125	150	213	555
Net WL With Valves Lbs.	36	37	50	70	95	95	163	217	262	381	855
Gross WL No Valves Lbs.	37	37	40	88	99	112	127	160	191	285.5	695
Gross WL With Valves Lbs.	41	42	45	101	135	137	177	272	324	491	1065

MODEL 14

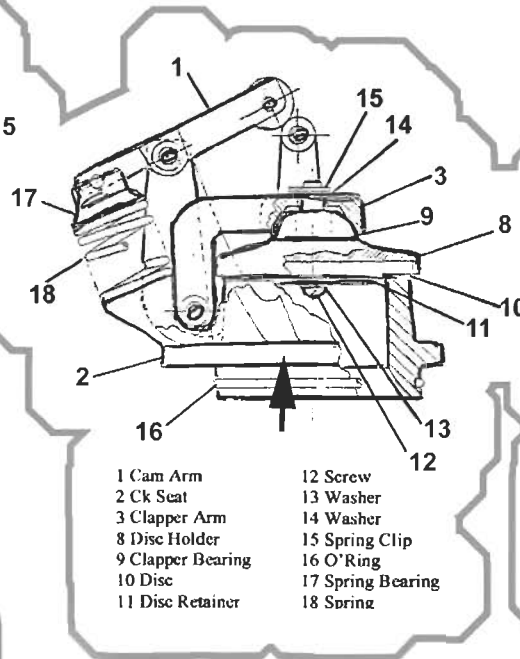
FLOW CURVES



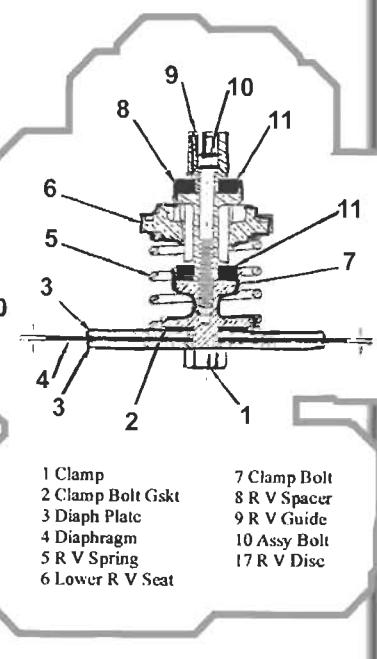
ASSEMBLIES



3/4" - 1" Check Assembly



1-1/2" - 6" Check Assembly



3/4" - 6" Relief Valve Assembly