

# HERSEY FRP

## HERSEY FRP II

### SIZE

Model FRP 3/4"-1"

Model FRP II 3/4", 1", 1 1/4", 1 1/2", 2"

### DESCRIPTION

This model is a reduced pressure assembly. Production was begun approximately in 1975 and was discontinued in 2004. You will notice there is a FRP & FRP II in the 3/4" and 1" sizes. The model FRP was the first introduction of this model and revisions were made which lead to the FRP II series and expansion of the sizes from 3/4"-2". The body is made of bronze. The check valve modules in both models are the same. The only difference in the FRP II is the shape of the relief valve component. The model FRP has a rectangular shape diaphragm with the relief valve section on the bottom pointing downward. The FRP II has a circular shape diaphragm pointing outward in line with the piping. All internal hardware parts are made mostly of glass filled noryl plastic. The checks are modular in construction. All seats are replaceable. A relief valve seat tool is needed to change the relief valve seat. All springs are contained when the covers are removed. The relief valve utilizes an internal sensing line.

### BASIC REPAIR KIT

Rubber repair kit contains all rubber discs, O-rings, quad ring, diaphragm, mounting screws, and gasket

<u>SIZE</u>	<u>KIT NO</u>	<u>AIR GAP DRAIN</u>
FRP 3/4"-1"	65554 ◆	N/A
FRP II 3/4"-1"	65668	65639
1 1/4"-1 1/2"	65669	65640
2"	65670	65640

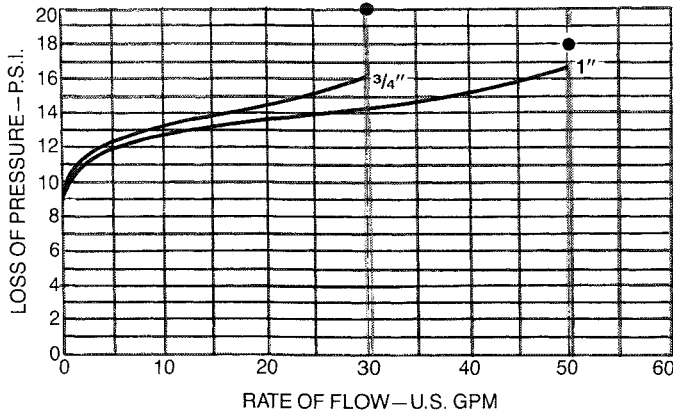
### IMPORTANT FEATURES

- ~Bronze body
- ~Modularized checks
- ~Contained springs
- ~Replaceable seats

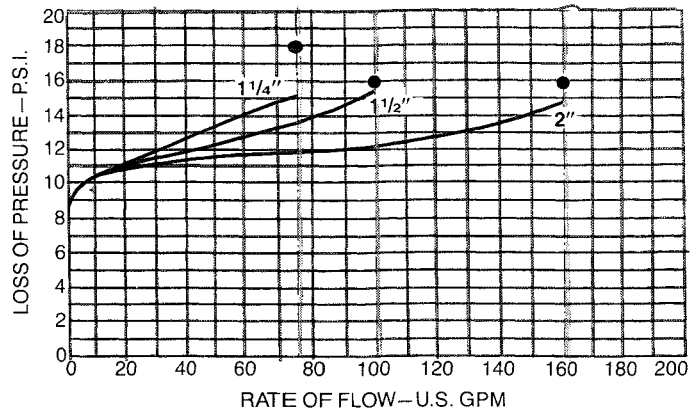


## PERFORMANCE (Performance curves are typical only and not a guarantee of performance)

Head Loss – 3/4" and 1"



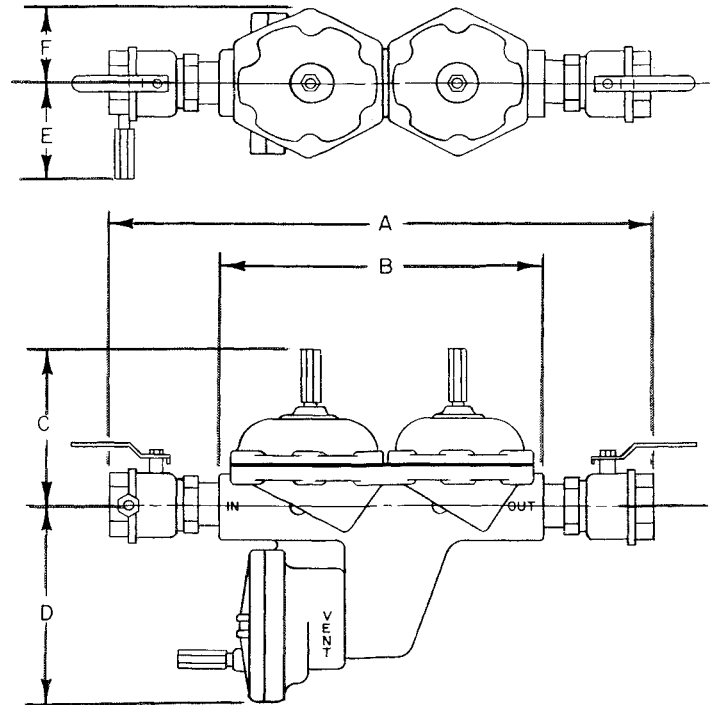
Head Loss – 1 1/4", 1 1/2" and 2"



NOTE: ● Maximum Allowable Pressure Loss allowed by USC at indicated flow.

## DIMENSIONS with ball valves

SIZE	3/4"	1"	1 1/4"	1 1/2"	2"
A	14 1/4"	15 1/4"	19 3/4"	20 1/4"	23 1/4"
B	8"	8"	11"	11"	12 3/8"
C	3 5/8"	3 5/8"	5"	5"	5 3/4"
D	4 15/16"	4 15/16"	6 13/16"	6 13/16"	7 1/16"
E	3 1/2"	3 1/2"	3 3/4"	3 3/4"	3 3/4"
F	1 9/16"	1 9/16"	2 13/16"	2 13/16"	2 7/8"
Size of Test Cocks	1/4"	1/4"	1/4"	1/4"	1/4"



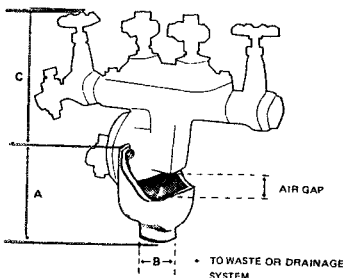
## WEIGHTS

SIZE	3/4"	1"	1 1/4"	1 1/2"	2"
Net Wt. Lbs.	8	9	23	24	29
Net Wt. W/Valves, Lbs.	11	13	28	31	41
Gross Wt. No Valves, Lbs.	10	11	25	26	31
Gross Wt. W/Valves, Lbs.	13	15	30	33	43

## MATERIALS AND SPECIFICATIONS

- Mainline case ..... bronze
- Working parts ..... bronze and stainless steel
- Springs ..... stainless steel
- Diaphragms ..... Buna N and nylon
- Valve discs ..... rubber
- O Ring ..... Buna N
- Check Valve Enclosures ..... glass reinforced plastic
- Maximum rated working pressure ..... 150 psi
- Temperature range ..... 33°-210°F

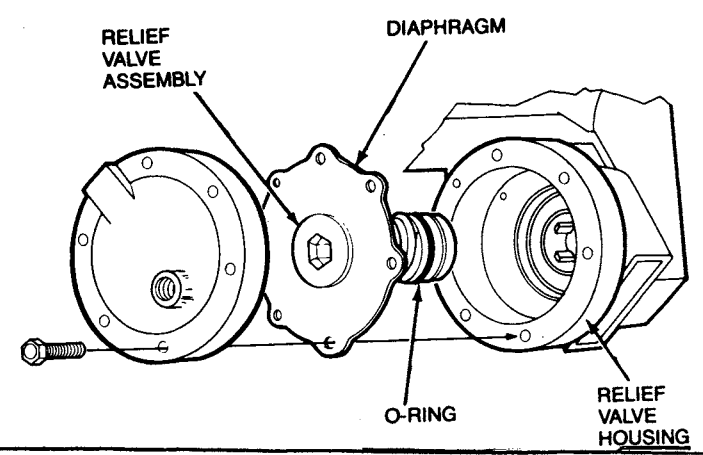
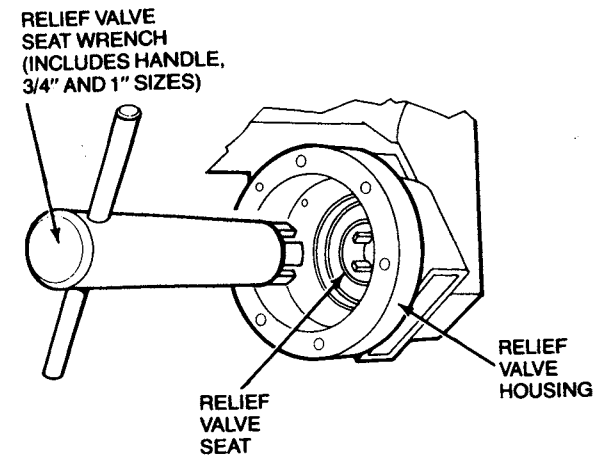
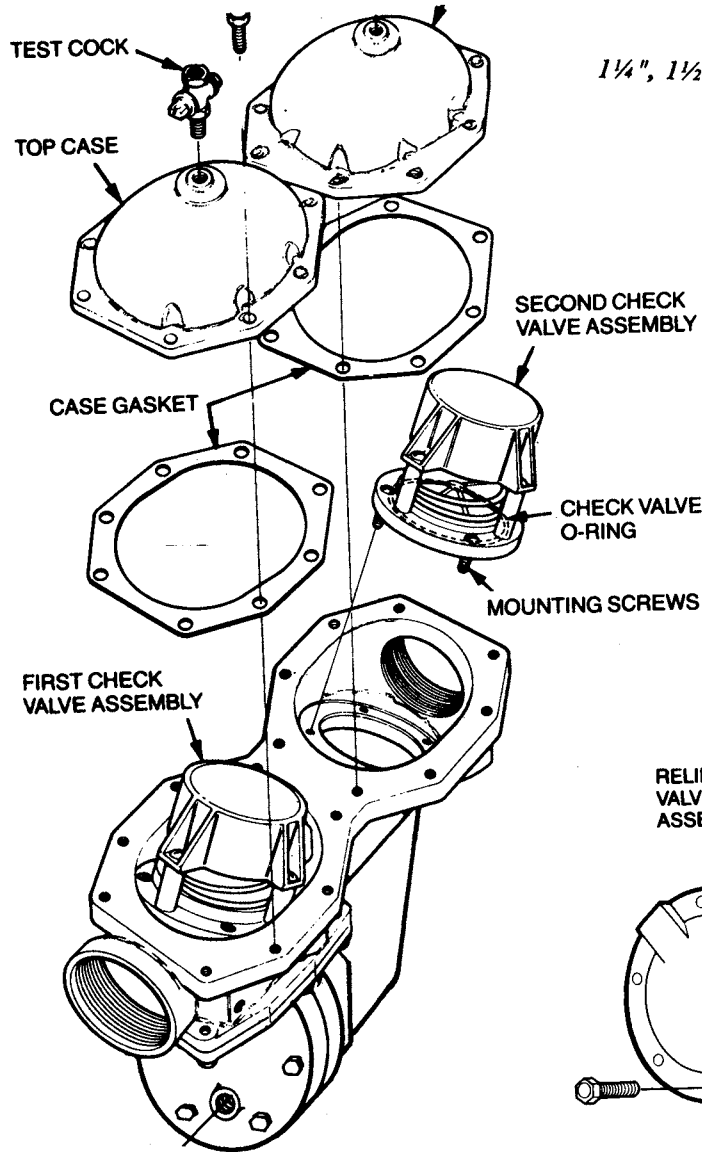
### air gap funnel



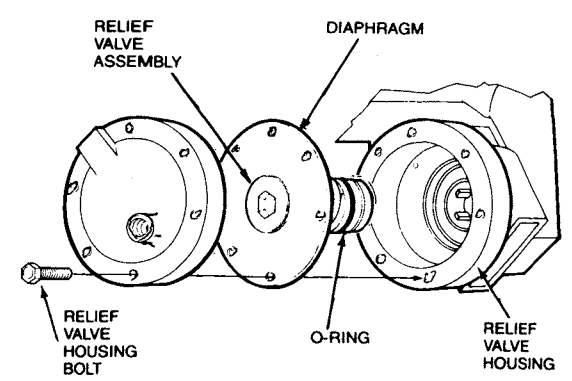
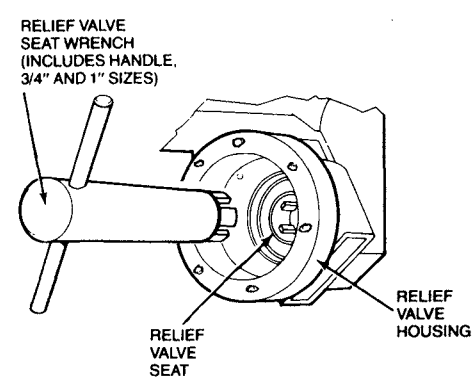
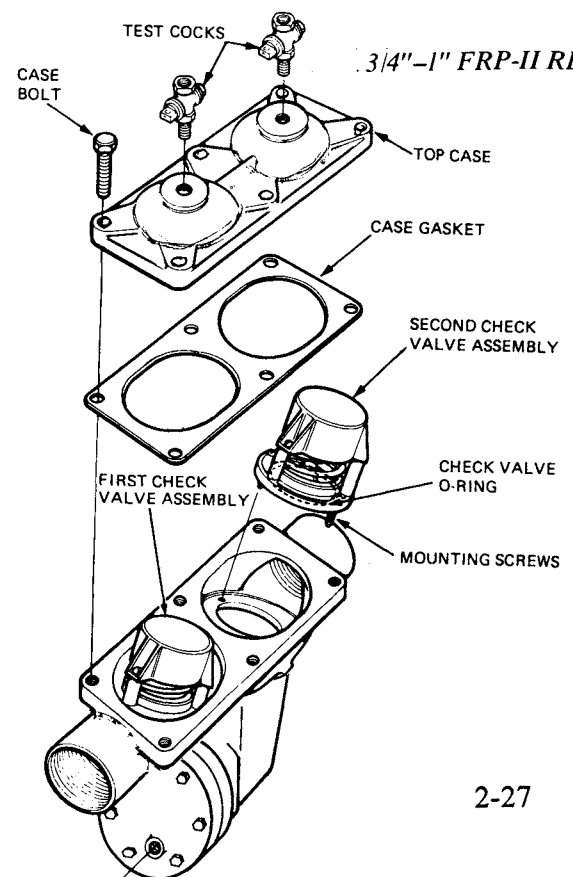
WEIGHTS and DIMENSIONS						
SIZE	Part Number	A	B	C open	Wgt. Lbs.	Thread Size
3/4"	85639	5"	1-15/16"	4-1/16"	3.1	1"-11 1/2" NPT
1"	85639	5"	1-15/16"	5-3/16"	3.1	1"-11 1/2" NPT
1 1/2"	85640	5-7/8"	1-15/16"	7-1/16"	5.3	1"-11 1/2" NPT
2"	85640	5-7/8"	1-15/16"	8-5/8"	5.3	1"-11 1/2" NPT

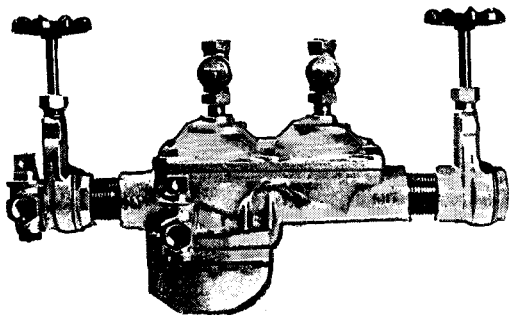
Dimensions and Weights w/ Valves					
Size	3/4"	1"	1-1/4"	1-1/2"	2"
A	12-5/8"	13-1/8"	17-1/2"	16-3/4"	19-1/4"
B	8"	8"	12"	11"	12-3/8"
C	3-3/4"	4-1/2"	5-3/4"	5-3/4"	6-1/2"
D	4-15/16"	4-15/16"	6-13/16"	6-13/16"	7-1/16"
E (Open)	4-1/16"	5-3/16"	6-1/16"	7-1/16"	8-5/8"
F	1-9/16"	1-9/16"	2-13/16"	2-13/16"	2-7/8"
G	3-1/2"	3-1/2"	3-3/4"	3-3/4"	3-3/4"
Size Test Cocks	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Net Wgt. L/Valves	9-1/2 lbs.	10-1/2 lbs.	25 lbs.	24-1/2 lbs.	32-1/2 lbs.
Net Wgt. W/R.S. Valves	11-1/2 lbs.	13-1/4 lbs.	28-3/4 lbs.	30 lbs.	40-1/2 lbs.
Gross Wgt. L/Valves	11-1/4 lbs.	12-1/4 lbs.	27-3/4 lbs.	27-1/4 lbs.	35-3/4 lbs.
Gross Wgt. W/R.S. Valves	13-3/4 lbs.	15-1/2 lbs.	32-1/4 lbs.	33-1/2 lbs.	44 lbs.

1 1/4", 1 1/2" AND 2" FRP II REPLACEMENT PARTS



3/4"-1" FRP-II REPLACEMENT PARTS





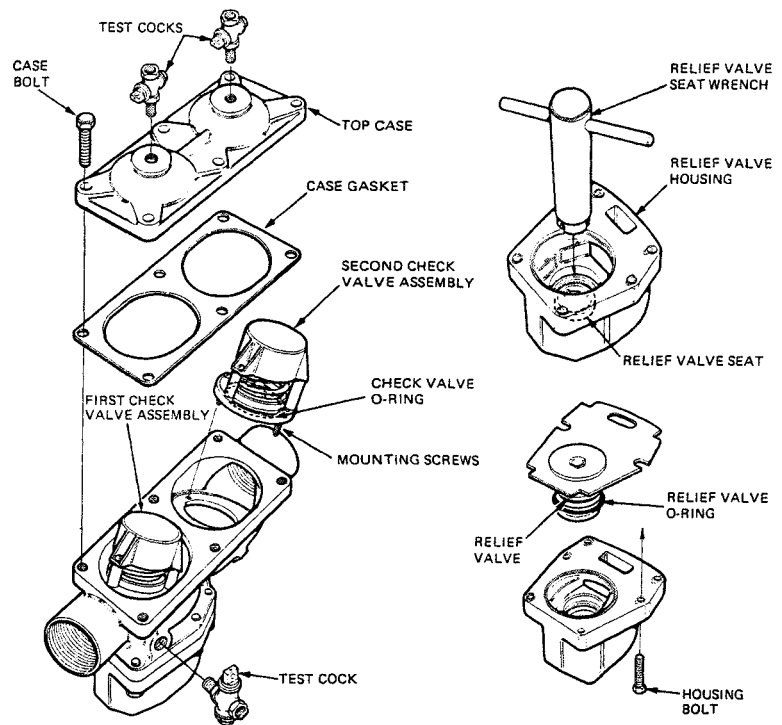
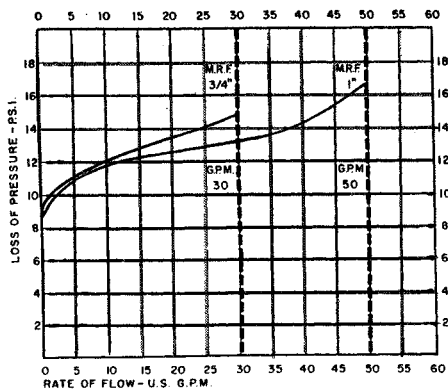
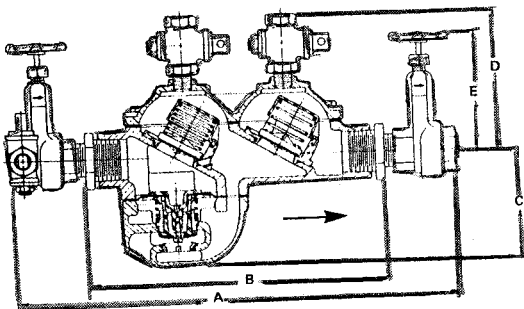
**Hersey**  
PRODUCTS INC.

**BEECO<sup>®</sup> MODEL FRP**

SIZES 3/4" and 1"

Dimensions and Weights

Size	3/4"	1"
End Detail	Screwed	Screwed
Rated GPM*	30	50
A	12-7/8	12-3/4
B	8-3/4	8-1/8
C	7-1/2	7-7/8
D	4-13/16	5-3/16
E	4-1/16	4-13/16
Width	5"	5"
Size of test cocks	1/4	1/4
Net Wt. no Valves	9-3/4 lbs.	9-1/4 lbs.
Net Wt. with Valves	11-3/4 lbs.	12 lbs.
Gross Wt. no Valves	10-1/2 lbs.	10 lbs.
Gross Wt. with Valves	13 lbs.	13-3/4 lbs.



3/4" AND 1" REPLACEMENT PARTS