



## Hersey Meters

### Model FRP II Reduced Pressure Backflow Prevention Assembly (3/4", 1", 1-1/4", 1-1/2", 2")

#### FEATURES

- Exclusive Aergap system protection.
- Hot-dipped galvanized, epoxy-coated iron, or bronze body (Bronze in 2-1/2" to 6" only).
- Replaceable seats and springs.
- Rugged one piece body for long, dependable service.
- OS&Y or NRS gate valves.
- In-line maintenance.
- Test cocks for in-line testing.
- Internal sensing passage.
- Hot water approval to 140°F.

#### DESCRIPTION

Model FRP II Reduced Pressure Backflow Prevention Assembly features the exclusive Aergap system, providing the highest level of protection against backflow. The unit consists of two independent spring loaded poppet-type check valve assemblies, and a relief valve, all in one common body. The relief valve is a diaphragm actuated, spring loaded, double seated assembly. Isolation valves and four test cocks for field testing complete the basic features.

SIZE	3/4"	1"	1 1/4"	1 1/2"	2"
A - WO/Unions	14 1/4"	15 1/4"	19 3/4"	20 1/4"	23 1/4"
A - W/Unions	15 3/4"	17 1/2"	—	—	—
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 Test Cocks	1/4"	1/4"	1/4"	1/4"	1/4"
SIZE	3/4"	1"	1 1/4"	1 1/2"	2"
Net Wt. WO/Valves, Lbs.	10	10	24	24	31
Net Wt. W/Valves, Lbs.	12	13	29	31	42
W/Plumbers Unions	13	14	—	—	—
Gross Wt. WO/Valves, Lbs.	11	11	28	28	36
Gross Wt. W/Valves, Lbs.	13	15	33	35	47
W/Plumbers Unions	14	17	—	—	—

#### APPLICATIONS

For use at cross-connections where the danger from backflow presents a health hazard.

#### MATERIALS & CHARACTERISTICS

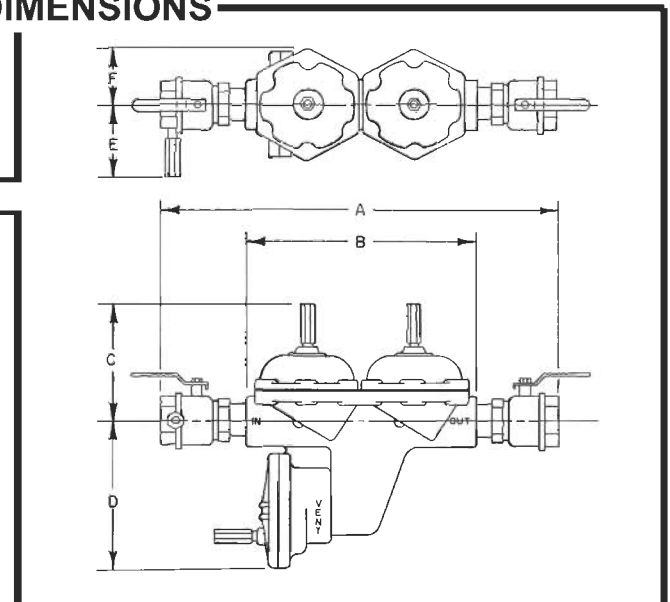
- Mainline case . . . . . bronze
- Working parts . . . . . bronze and stainless steel
- Springs . . . . . stainless steel
- Diaphragms . . . . . Buna N and nylon
- Valve discs . . . . . silicone rubber
- O Ring . . . . . Buna N
- Check Valve Enclosures . . . . . glass reinforced plastic
- Maximum rated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

#### APPROVALS

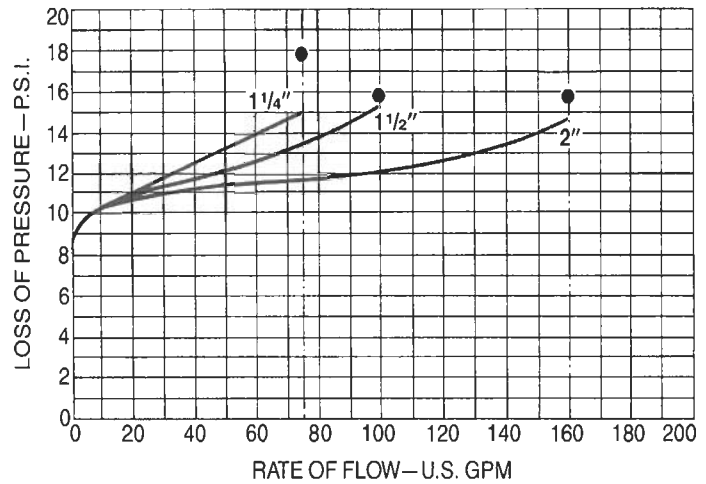
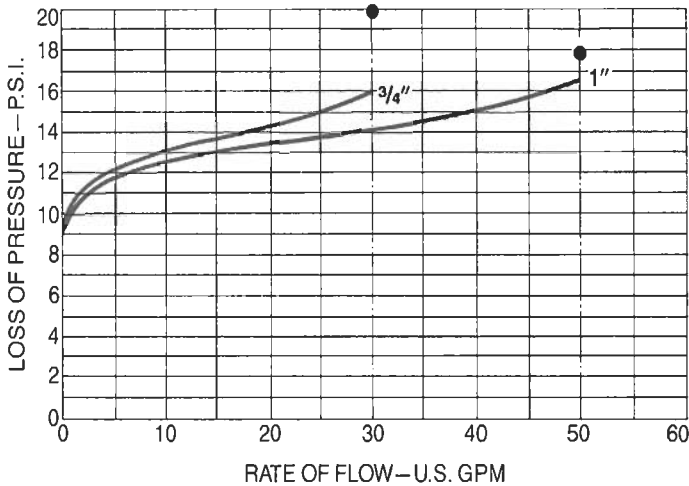
3/4", 1", 1-1/2", 2" by: USC, CSA B64.5, ASSE 1013, AWWA C511, FM; IAMPO Listed; UL, ULC Classified (except 2").



#### DIMENSIONS



# FLOW CURVES



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

## REPAIR KITS (1-1/4", 1-1/2" & 2")

	Part No. 1 1/4", 1 1/2"	Part No. 2"		Part No. 1 1/4", 1 1/2"	Part No. 2"
<b>COMPLETE VALVE KIT</b>	65525	65543	<b>RELIEF VALVE KIT</b>	65546	65546
Includes:			Includes:		
First Check Valve Assembly			Relief Valve		
Second Check Valve Assembly			O-Ring Seal		
Relief Valve Assembly					
Case Gaskets (2)			<b>RELIEF VALVE SEAT INSTALLATION KIT</b>	65548	65548
Check Valve O-rings (2)			Includes:		
Relief Valve O-ring			Relief Valve Seat		
Check Valve Mounting Screws (8)			Relief Valve Seat Wrench		
			Relief Valve Adhesive/Sealant		
<b>FIRST CHECK VALVE KIT</b>	65526	65544	<b>DIFFERENTIAL PSI GAUGE TEST KIT</b>	98415	98415
Includes:					
First Check Valve Assembly			<b>RELIEF VALVE AIR GAP FITTING KIT</b>	65640	65640
Check Valve O-ring					
Case Gasket					
Mounting Screws (4)					
<b>SECOND CHECK VALVE KIT</b>	65527	65545			
Includes:					
Second Check Valve Assembly					
Check Valve O-ring					
Case Gasket					
Mounting Screws (4)					

**Diagram for this model  
is the same as  
Model FRP  
and is located on that product's page.**

OTHER PARTS	Part No. 1 1/4", 1 1/2"	Part No. 2"
Relief Valve Cover .....	65632	65632
Top Case .....	65560 (2)	65578 (2)
Bottom Case .....	65631	65636
Case Bolts .....	90028 (18)	90028 (22)
Test Cocks .....	96339 (3)	96339 (3)
Check Valve Spring Compression Tool .....	65572	65572
Check Valve Mounting Screws .....	98174 (8)	98174 (8)
1 1/2" x 1 1/4" Reducing Bushing (1 1/4" only) .....	67016 (2)	-----
Case Gasket .....	65568 (2)	65595 (2)