RELIEF VALVE
Model R

The Model R Relief Valve is designed to relieve excess pressure in lines containing any grade of fuel oil fulfilling the requirements of NFPA 31 Standard for the Installation of Oil-Burning Equipment. It is also suitable for use with water and air. It opens to relieve at the "set" pressure (adjustable) and closes tightly when the pressure drops. It should be used as a safety device to relieve excess pressure and not as a regulating valve to maintain a constant upstream pressure.

The assembly consists of a bronze body with threaded ends, stainless steel ball, bronze disc, and cadmium plated steel loading spring with bronze spring housing. An adjustment screw protection cap is provided. The valve is suitable for pressures up to 300 PSIG at 300° F maximum.

Suggested Specifications
All expansion and pressure relief valves shall be sized and located as shown on project drawings per NFPA 31 Standard for the Installation of Oil-Burning Equipment. Valve bodies shall be one piece bronze construction suitable for pressures up to 300 PSIG.Valves shall be Model R as furnished by Preferred Utilities Mfg. Corp., Danbury, CT, with an adjustable range from _____ to _____ PSIG.

Ordering Information
See table below.

Catalog Numbers				Rated Capacity-GPM*			
5-35 PSIG	25-100 PSIG	75-300 PSIG	Size	50 PSI Inlet	70 PSI Inlet	115 PSI Inlet	Weight
13040	13041	13042	½"	10	12	15	1.5
13043	13044	13045	¾"	13	16	21	2.0
11695	13046	13047	1"	17	20	26	3.0
13048	13049	13050	1 ¼"	23	28	37	6.0
13051	13052	13053	1 ½"	30	36	47	8.0
13054	13055	13056	2"	50	60	79	10
13057	13058	13059	2 ½"	67	80	105	18
13128	13129	13130	3"	94	112	147	25

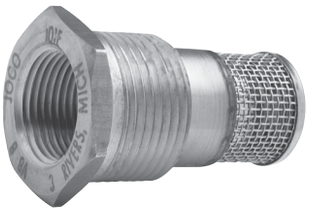
*Flow based on water at a 5 PSIG outlet pressure. Oil flow correction factors: 50 SSU-flow x 0.86; 200 SSU-flow x 0.71; 2000 SSU-flow x 0.51

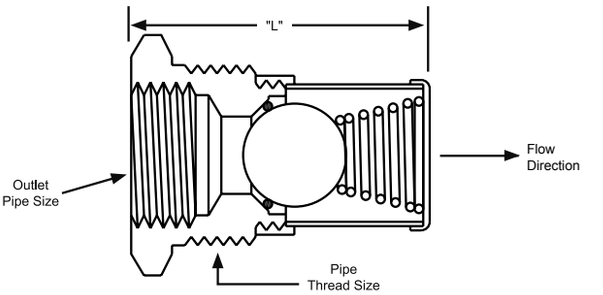
VACUUM BREAKER
Model VB

The Model VB Vacuum Breaker Valve provides a simple, dependable means to relieve unwanted vacuum that may develop in a closed piping system or vessel. Some fuel oil loop systems can develop a siphoning effect caused by fuel oil returning to a fuel oil storage tank from a non-vented fuel oil supply header. The valve installs directly into the riser line located at the lowest pressure point of the fuel oil return line and admits air before oil can begin to be siphoned.

The Model VB assembly consists of a brass body with threaded ends, stainless steel ball and BUNA-N "O" ring seat. The successful combination of spring action, round ball and a soft resilient seat provides positive bubble-tight closing, even at very low differential pressure. And, of course, the higher the pressure the tighter the seal. The device is suitable for pressures up to 300 PSIG and 365° F and opens to relieve unwanted pressure with less than 2" Hg.

Suggested Specifications
Furnish and install a Vacuum Breaker Valve into a riser line as shown on the contract drawings. The valve shall prevent excessive vacuums that can disrupt fuel system operation or damage equipment. The valve shall automatically open to admit air when an unwanted vacuum develops. Provide and install a Preferred Standard Vent Protector to prevent water and debris from entering the riser. The valve shall be a Preferred Utilities Mfg. Corp. Danbury, CT, Model VB Vacuum Breaker Valve.





Ordering Information
See table below for model numbers and sizes

Model Number	Pipe Thread Size	Outlet Pipe Size	"L" Length	Weight (lbs.)
11829	½"	3/8"	1 3/8"	0.2
11826	¾"	½"	2 1/8"	0.3
11827	1"	¾"	2 3/8"	0.5
11864	1 ¼"	1"	2 5/16"	0.8
11828	1 ½"	1 ¼"	3 1/16"	0.9