

SAFE-SURGE® MANWAY COVERS:



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Emergency Air Surge Protection For Pneumatic-Filled Tanks.

Poly's SAFE-Surge® manway covers ensure that your tank maintains the proper ACFM at all times – even in the event of air surges that can't be handled by primary venting. This system was designed specifically for pneumatic-filled tanks. SAFE-Surge®:

- Is never to be considered part of your primary venting.
- Releases at a 6-inch water column to prevent over-pressurization.
- Features an easy inspection port.
- Is available for 19- and 24-inch manways.

This cover is REQUIRED in pneumatic filling operations excluding scrubbers.

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VENTS



MUSHROOM VENT

For day tanks, an economical alternative to traditional U-vents or fittings. Made of polypropylene, in sizes 1 to 3 inches



U-VENT

Standard venting for outdoor tanks or for storing chemicals that create fumes. In PVC, in sizes 2 to 6 inches

VENTING REQUIREMENTS FOR POLYETHYLENE TANKS

Mechanical Pump Fill	Pneumatic Fill								
IF ≤ 1,000 gallons	IF – Vent length ≤ 3'			IF – Vent length > 3' and ≤ 30'			IF – Scrubber application		
Vent size should equal size of largest fill or discharge fitting	AND – Vent screen mesh size ≥ ¼" or no screen used			AND – 3 or less 90° elbows with no other restrictions or reduction in pipe size			Vent pipe size throughout scrubber system CANNOT be reduced!		
							Centerline of dispersion pipe not to be submersed > 6"		
IF > 1,000 gallons	Emergency Pressure Relief Cover Required			Emergency Pressure Relief Cover Required			Perforated dispersion pipe must be same diameter as vent or larger. Sum of perforations ≥ cross-sectional area of pipe		
Vent size should exceed the largest fill or discharge fitting by 1"	Tanker Discharge	Inlet/Fitting Size	Minimum Vent Size	Tanker Discharge	Inlet/Fitting Size	Minimum Vent Size	Tanker Discharge	Inlet/Fitting Size	Minimum Vent Size
	2"	2"	4"	2"	2"	6"	2"	2"	6"
	3"	2"	6"	3"	2"	6"	3"	2"	8"
	3"	3"	6"	3"	3"	8"	3"	3"	10"

» See our website for Detailed Venting Guidelines.