F.S.2650® Manway Covers:

High flow rate venting simplified

F.S.2650® MANWAY COVERS:
Maximum Flow For Pneumatic-Filled Tanks.

Poly's F.S.2650® combined manway and vent allows for unsurpassed tank venting. It is capable of relieving a volume flow rate of up to 2650 ACFM. When considering 2" & 3" fill connections are the most common sizes for pneumatic-filled tanks, the F.S. 2650® supplies a Factor of Safety (FS) of 2.9 on a 2" hose to 2" inlet pipe (910 ACFM) and a FS of 2.3 on a 3" hose to 2" inlet pipe (1120 ACFM). * Designed specifically for applications where fumes aren't a concern. F.S.2650®:

- Is a cost effective combined vent and manway.
- Effective flow rates > 8" mechanical fitting.
- Includes a PE bug screen.
- Is available for 24-inch manways.

*calculations for volume flow rates based on independent study to identify proper venting for PE tanks found on Poly Processing's website

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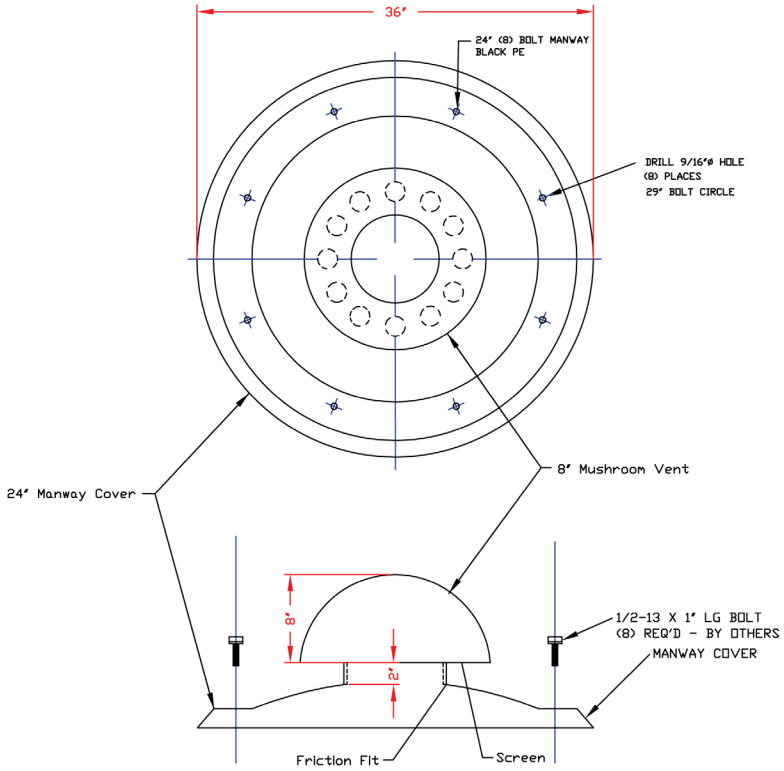

Mechanical Pump Fill	Pneumatic Fill								
IF ≤ 1,000 gallons	IF – Vent length ≤ 3'			IF – Vent length > 3' and ≤ 30'			IF – Scrubber application		
✓ Vent size should equal size of largest fill or discharge fitting	✓ Maintain vent screen mesh size ≥ ¼" or no screen used ✓ Emergency Pressure Relief Cover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

*Venting chart based on recommendation and criteria from Venting Design for ACFM Technical Paper

»» See our website for Detailed Venting Guidelines.