

F.S.2650[®] Manway Cover



F.S.2650[®] MANWAY COVER



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

California
8055 S. Ash St.
French Camp, CA 95231

Louisiana
P.O. Box 4150
2201 Old Sterlington Rd.
Monroe, LA 71203
Tel: 800.523.9871
sales@polyprocessing.com

Virginia
161 McGhee Rd.
Winchester, VA 22603



F.S. 2650® Manway Cover



F.S. 2650® Manway Cover
Polyethylene Bug Screen



F.S. 2650® Manway Cover Installed

Mechanical Pump Fill	Pneumatic Fill								
IF ≤ 1,000 gallons	IF – Vent length ≤ 3'			IF – Vent length > 3' and ≤ 30'			IF – Scrubber or fume tight application		
✓ Vent size should equal size of largest fill or discharge fitting	✓ Maintain vent screen mesh size ≥ ¼" or no screen used			✓ 3 or less 90° elbows with no other restrictions or reduction in pipe size			✓ Vent pipe size throughout scrubber system CANNOT be reduced!		
	✓ Emergency Pressure Relief Cover Required IF > 1,000 gallons			✓ Emergency Pressure Relief Cover Required IF > 1,000 gallons			✓ Centerline of dispersion pipe not to be submersed > 6"		
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.