

# PRODUCT SPECIFICATIONS

- **Temperature:** Tank specific gravity ratings are based on continuous product operating temperature of 100°F. For temperatures between 100°F and 150°F, please contact Customer Support.
- **Pressure:** Polyethylene tanks are designed and rated for **atmospheric pressure only**. Proper venting alleviates pressure or vacuum from developing as the tank is filled and emptied. See venting table below for proper configuration. Also shown on page 11.

Venting Requirements for Polyethylene Tanks									
Mechanical Pump Fill	Pneumatic Fill								
IF ≤ 1000 gallons	IF–Vent length ≤ 3 feet			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 ≥ 1/4" 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 <u>CANNOT</u> be reduced!  Centerline of dispersion pipe not to be submersed > 6 inches		
IF > 1000 gallons	Emergency Pressure Relief Cover Required			Emergency Pressure Relief Cover Required			Perforated dispersion pipe must be same diameter or larger, as vent. Sum of perforations ≥ cross sectional area of pipe		
Vent size should exceed the largest fill or discharge fitting by 1 inch min	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"

(2) 2 inch vents DO NOT EQUAL 4 inch venting capacity

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For detailed venting guidelines, please visit our Technical Resources at [www.polyprocessing.com](http://www.polyprocessing.com)

- **Flexible Connections** allow for tank expansion / contraction and reduce pump / piping vibration stresses. **Flexible connections are required on any fitting connection on the lower 1/3 sidewall of the tank to preserve your warranty.** See page 12. Shield all fittings, valves, and piping from physical impact and to protect personnel from chemical spray or release.
- **Tank Dome Loading: DO NOT** stand or work on top of tank. The tank surfaces are flexible and slippery and a dangerous fall could occur. There is no weight or load rating for the domes of tanks.