

# TANK SPECIFICATIONS



## WE'RE THE ONLY COMPANY

with chemical tanks certified to NSF/ANSI 61 standards!

NSF/ANSI Standard 61 addresses crucial aspects of drinking water system components – and Poly Processing is the ONLY company offering storage tanks certified to NSF/ANSI 61 standards for chemical storage. Most products are tested under NSF-61 with the pH 5, pH 8 and pH 10 exposure waters defined in the standard. These exposure waters were designed to simulate the wide variety of potable water chemistries encountered across North America. However, these exposure waters were not designed to predict leaching of materials in chemical storage tanks. Poly Processing's OR-1000™ products have been tested with the NSF-61 exposure waters, as well as with corrosive chemicals, to ensure they are safe for potable water use.

### Poly Processing offers NSF-certified solutions for the storage of:

Acetic Acid ≤ 80%	Ferrous Sulfate ≤ 30%	Sodium Aluminate ≤ 100%
Aluminum Sulfate ≤ 50% (Alum)	Hydrochloric Acid ≤ 37%	Sodium Bisulfite ≤ 40%
Calcium Carbonate 60-100%	Hydrofluoric Acid ≤ 52%	Sodium Carbonate ≤ 85%
Calcium Chloride ≤ 30%	Hydrofluosilicic Acid ≤ 30%	Sodium Chlorite ≤ 34%
Chlorine Dioxide ≤ 38%	Liquid Ammonium Sulfate 35-45%	Sodium Hydroxide ≤ 50%
Citric Acid ≤ 100%	Magnesium Chloride ≤ 35%	Sodium Hypochlorite ≤ 0.08%
Copper Sulfate ≤ 25%	Phosphoric Acid ≤ 75%	Sodium Hypochlorite ≤ 15%
Deionized Water	Poly Aluminum Chloride ≤ 100%	Sodium Permanganate ≤ 40%
Ferric Chloride ≤ 50%	Polyorthophosphate ≤ 100%	Sodium Silicate ≤ 100%
Ferric Sulfate ≤ 60%	Potable Water	Sulfuric Acid ≤ 98%
Ferrous Chloride ≤ 37%	Potassium Hydroxide ≤ 50%	Zinc Orthophosphate ≤ 100%

Talk to your Poly Processing representative to find out more – or visit our website, [www.polyprocessing.com](http://www.polyprocessing.com), to review our NSF white paper.



CERTIFIED TO  
NSF/ANSI 61

## PRE-PURCHASE GUIDE

### Before Ordering:

1. Determine capacity and location restrictions: gallons, maximum height and diameter, and indoor or outdoor installation.
2. Conduct a chemical review: name, concentration, specific gravity and temperature.
3. See the chemical resistance guide (page 12) for tank and fittings materials, specific gravity rating, pneumatic or mechanical fill, and full-drain and secondary containment requirements.
4. Use the complete 8-digit stock number when placing orders. Note: the first digit of each stock number indicates the manufacturing location: 4 = Monroe, LA; 7 = Winchester, VA; 1 = French Camp, CA.
5. Download a tank schematic from [polyprocessing.com](http://polyprocessing.com) and use this drawing to specify the fitting locations.
6. Contact a Poly Processing distributor for details.

## Operating Parameters

### TEMPERATURE

- Tank specific gravity ratings are based on a product temperature of 100 degrees F.
- For tank designs for temperatures up to 150 degrees F, contact Customer Service.

### PRESSURE

Atmospheric pressure must be maintained in the tank at all times; vacuum must equal zero.

### VENTING

See chart on page 11.

### PLUMBING

Requires use of flexible connections with fittings on lower third of sidewall

### HEAT MAINTENANCE CONTROLS

Two thermostats are furnished, one for control and one for redundancy; heating requirements vary depending on maintenance temperature, ambient temperature and wind conditions.

### POLYURETHANE INSULATION WITH MASTIC COATING

- 2-inch nominal thickness
- R-value = 8.33/inch
- Density = 2 lbs./cubic foot
- Mastic coating is white acrylic vinyl.

### TANK COLOR

- High-density crosslinked polyethylene (XLPE) – natural, black, white, gray.
- Linear polyethylene (HDPE) – natural, black.

**NOTE:** For additional colors, contact Customer Service.

### TANK DOME LOAD RATING

DO NOT stand or work on tank domes. The surface is flexible and slippery. There is no weight or load rating for the dome.

### GENERAL INFORMATION

- Nominal capacity = Calculated tank capacity to top of straight sidewall
- All vertical, IMFO® and SAFE-Tank® systems greater than 500 gallons are manufactured in accordance with ASTM D1998 standards.
- Gallonage markers are approximate; not for precise measuring or metering

### LOGISTICS

Delivery and shipping information is provided on the back cover.

## OUR TANK OFFERINGS



### SAFE-Tank® SYSTEMS

A “tank-within-a-tank” that creates secondary containment with a minimal footprint. Available with or without OR-1000™ surfacing



### VERTICAL TANKS WITH IMFO®

Tanks with drainage at the true base, allowing for minimal sludge buildup and easier maintenance



### VERTICAL TANKS

Standard-sized chemical storage tanks in crosslinked polyethylene for superior strength. Available with OR-1000™ antioxidant surface

VISIT [WWW.POLYPROCESSING.COM](http://WWW.POLYPROCESSING.COM)  
FOR EASY, INTUITIVE ORDERING!



## CONE-BOTTOM TANKS

Generally used in a process environment, where the tank has to be 100% drained, and to address concerns about vortexing



## OPEN-TOP TANKS

Process-oriented tanks that are typically used for blending or for containment. Open-top tanks often incorporate the use of mixer bridges.



## SECONDARY CONTAINMENT BASINS

Used for the nesting of traditional vertical or vertical IMFO® tanks to meet secondary containment requirements



## HORIZONTAL TANKS

Primarily used in the agricultural industry for application processes

# SAFE-TANK® SYSTEM



SAFE-Tank® SYSTEMS – STORAGE & CONTAINMENT										
T <sub>1</sub>	F.O.B.			Stock Number	Nominal Capacity	Approx. O.D.	Approx. Overall Height	Lid Size	Ladder Height	
	LA	VA	CA							
		4		1	2008700					
		4		1	2110150					
L	•				Assembly	8,700	11'-11"	14'-6"	24"	15'
		4		1	2006650					
		4		1	2107450					
L	•				Assembly	6,650	10'-3"	14'-3"	24"	15'
		4			2005400					
		4			2106300					
L	•				Assembly	5,400	11'-11"	9'-9"	24"	10'
			7	1	2004400					
			7	1	2104950					
L	•				Assembly	4,400	10'-3"	10'-3"	24"	10'
		4			2003150					
		4			2103550					
L	•				Assembly	3,150	10'-2"	7'-7"	24"	7'
		4			2002500					
		4			2103100					
L	•				Assembly	2,500	8'-0"	9'-11"	17"	10'
			7		2001550					
			7		2101950					
	•				Assembly	1,550	8'-0"	6'-11"	17"	7'
			7	1	2001000					
			7	1	2101200					
	•				Assembly	1,000	6'-5"	6'-7"	17"	6'
		4			2000540					
		4			2100655					
	•				Assembly	540	6'-5"	4'-0"	17"	
			7	1	2000405					
			7	1	2100445					
					Assembly	405	4'-0"	5'-9"	7"	
		4	7	1	2000160					
		4	7	1	2100220					
					Assembly	160	3'-0"	4'-11"	7"	
		4	7	1	2000105					
		4	7	1	2100150					
					Assembly	105	3'-0"	3'-6"	7"	
		4			2000055					
		4			2100085					
					Assembly	55	3'-0"	2'-5"	7"	

- = Molded-in lifting lugs
- L = Molded-in ladder attachment lugs



# VERTICAL TANKS WITH IMFO®

T <sub>2</sub>	F.O.B.			Stock Number	Nominal Capacity	Approx. O.D.	Approx. Overall Height	Lid Size	IMFO® Size	Ladder Height
	LA	VA	CA							
	•			1113650	13,650	13'-9"	16'-10"	24"	4"	13'
	•			1112150	12,150	12'-0"	16'-8"	24"	4"	17'
	•	4		1112150	12,150	12'-0"	17'-1"	24"	4" <sup>D</sup>	17'
	•			1110300	10,300	12'-0"	14'-4"	24"	4"	14'
L	•	4		1110150	10,150	11'-11"	14'-5"	24"	4"	14'
L	•	4		1108500	8,500	10'-0"	16'-9"	24"	4"	17'
L	•	4		1108100	8,100	11'-11"	11'-10"	24"	4"	12'
L	•			1108050	8,050	10'-0"	15'-6"	24"	4"	15'
L	•	4		1107300	7,300	10'-2"	14'-2"	24"	4"	14'
L	•			1106600	6,600	10'-0"	13'-7"	24"	4"	13'
L	•	4	7	1106150	6,150	10'-2"	12'-5"	24"	4"	12'
L	•	4		1106100	6,100	8'-6"	16'-4"	24"	4" <sup>D</sup>	16'
L	•			1106100	6,100	10'-0"	12'-7"	24"	4"	12'
L	•	4		1105050	5,050	7'-10"	16'-0"	24"	4" <sup>D</sup>	16'
L	•			1104600	4,600	10'-2"	9'-7"	24"	4"	9'
L	•	4		1104300	4,300	11'-11"	7'-1"	24"	4"	7'
L	•			1104150	4,150	8'-6"	12'-6"	24"	3"	12'
L	•			1104050	4,050	8'-2"	12'-10"	24"	3"	12'
L	•	4		1103900	3,900	7'-10"	12'-6"	24"	4" <sup>D</sup>	12'
L	•	4	7	1103000	3,000	7'-1"	12'-0"	24"	3"	12'
L	•			1102750	2,750	8'-2"	9'-4"	24"	4"	9'
L	V			1102550	2,550	7'-1"	10'-4"	24"	3"	10'
L	V	4	7	1102000	2,000	7'-1"	8'-6"	24"	3"	8'
				1101600	1,600	6'-1"	9'-1"	17"	3"	9'
F		4	7	1101400	1,400	5'-4"	9'-11"	17"	3"	
				1101250	1,250	5'-0"	9'-10"	17"	3"	
F				1101150	1,150	5'-4"	8'-3"	17"	3"	
F				1100905	905	5'-4"	6'-7"	17"	2"	
F		4		1100545	545	4'-0"	6'-11"	17"	2"	
F				1100475	475	4'-0"	6'-4"	17"	3"	
F				1100325	325	4'-0"	4'-8"	17"	3"	
F				1100230	230	3'-2"	4'-11"	17"	3"	
F				1100200	200	2'-7"	6'-4"	7"	2"	

T<sub>4</sub>

PADS FOR TANKS WITH IMFO®					
F.O.B.			Stock Number	Diameter	Height
LA	VA	CA			
	7		8000004	4'-0"	4"
		1	8000005	5'-0"	6"
	7		8000054	5'-4"	4"
		1	8000006	6'-0"	6"
	7		8000071	7'-1"	4"

**NOTE:** IMFO® pads to be used with tanks storing chemicals < 1.65 spg.

T <sub>3</sub>	F.O.B.			Stock Number	Nominal Capacity	Approx. O.D.	Approx. Overall Height	Lid Size	IMFO® Size	Ladder Height
	LA	VA	CA							
	•			1211800	11,800	12'-0"	16'-6"	24"	4"	15'
	•			1208500	8,500	12'-0"	12'-5"	24"	4"	10'
L	•	4		1206350	6,350	10'-2"	12'-7"	24"	4"	13'
L	•			1206250	6,250	10'-0"	13'-1"	24"	4"	13'
L	•			1204200	4,200	8'-2"	13'-6"	24"	4"	12'
L	•			1204100	4,100	8'-6"	12'-11"	24"	3"	13'
L	•			1203950	3,950	10'-0"	9'-0"	24"	4"	8'

- = Molded-in lifting lugs
- L = Molded-in ladder attachment lugs
- V = Molded-in lifting lugs - Virginia only
- <sup>D</sup> = Double IMFO® available
- F = Flat backing ring required

# VERTICAL TANKS



T <sub>5</sub>	VERTICAL TANKS									
	F.O.B.			Stock Number	Nominal Capacity	Approx. O.D.	Approx. Overall Height	Lid Size	Ladder Height	
	LA	VA	CA							
	•			1	1013650	13,650	13'-9"	16'-10"	24"	13'
L	•	4			1012250	12,250	11'-11"	17'-1"	24"	17'
	•			1	1012150	12,150	12'-0"	16'-8"	24"	16'
L	•	4			1010300	10,300	11'-11"	14'-6"	24"	14'
L	•			1	1010300	10,300	11'-11"	14'-6"	24"	14'
	•			1	1009100	9,100	12'-0"	12'-11"	24"	12'
L	•	4			1008500	8,500	10'-0"	16'-9"	24"	16'
L	•			1	1008050	8,050	10'-0"	15'-8"	24"	15'
L	•	4		1	1007300	7,300	10'-2"	14'-2"	24"	14'
L	•	4	7		1006150	6,150	10'-2"	12'-4"	24"	12'
L	•	4			1006100	6,100	8'-6"	16'-4"	24"	16'
L	•			1	1006100	6,100	10'-0"	12'-8"	24"	12'
L	•	4	7		1005300	5,300	9'-2"	12'-10"	24"	13'
L	•			1	1005100	5,100	10'-2"	10'-7"	24"	10'
L	•	4			1005050	5,050	7'-10"	16'-0"	24"	16'
				1	1004925	4,925	9'-0"	11'-11"	24"	11'
	•			1	1004900	4,900	12'-0"	8'-1"	24"	6'
L	•	4			1004250	4,250	11'-11"	7'-0"	24"	7'
L	•		7		1004150	4,150	8'-6"	12'-6"	24"	12'
L	•	4	7		1003900	3,900	7'-10"	12'-9"	24"	12'
L	•		7		1003850	3,850	10'-2"	8'-6"	24"	8'
	•			1	1003650	3,650	10'-2"	8'-5"	24"	6'
L	•	4	7		1003000	3,000	7'-1"	11'-8"	24"	12'
L	•			1	1002750	2,750	8'-2"	9'-4"	24"	9'
L	•	4	7		1002650	2,650	8'-0"	8'-9"	24"	8'
L	V	4	7		1002550	2,550	7'-1"	10'-4"	24"	10'
				1	1002500	2,500	8'-0"	8'-2"	24"	8'
L		4	7		1002250	2,250	8'-0"	7'-9"	24"	7'
L	V	4	7		1002000	2,000	7'-1"	8'-6"	24"	8'
			7		1001950	1,950	5'-4"	13'-5"	17"	
				1	1001700	1,700	6'-1"	9'-7"	17"	9'
				1	1001550	1,550	5'-1"	11'-9"	17"	

- = Molded-in lifting lugs
- L = Molded-in ladder attachment lugs
- V = Molded-in lifting lugs - Virginia only



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## VERTICAL TANKS

VERTICAL TANKS (continued)										
F.O.B.			Stock Number	Nominal Capacity	Approx. O.D.	Approx. Overall Height	Lid Size	Ladder Height		
LA	VA	CA								
4			1001450	1,450	7'-2"	6'-2"	17"			
4	7		1001400	1,400	5'-4"	10'-0"	17"			
4	7		1001150	1,150	5'-4"	8'-2"	17"		8'	
		1	1001090	1,090	5'-1"	8'-6"	17"		8'	
	7		1001050	1,050	5'-1"	8'-6"	17"		7'	
4			1001000	1,000	7'-2"	4'-8"	17"			
4	7		1000905	905	5'-4"	6'-9"	17"		6'	
	7		1000805	805	4'-0"	9'-11"	17"			
4			1000755	755	5'-4"	5'-9"	24"			
		1	1000685	685	5'-1"	5'-4"	17"			
	7		1000615	615	4'-0"	7'-9"	17"			
		1	1000540	540	4'-0"	7'-0"	17"			
4	7		1000540	540	4'-0"	6'-9"	17"			
		1	1000475	475	4'-0"	6'-3"	17"			
	7		1000400	400	3'-9"	5'-3"	7"			
		1	1000325	325	4'-0"	4'-8"	17"			
		1	1000300	300	3'-6"	4'-11"	7"			
4			1000295	295	3'-10"	4'-5"	7"			
	7		1000280	280	2'-10"	7'-0"	7"			
		1	1000280	280	2'-10"	7'-0"	7"			
		1	1000230	230	3'-2"	4'-11"	17"			
4			1000205	205	2'-7"	6'-2"	7"			
4			1000155	155	2'-7"	4'-9"	7"			
		1	1000115	115	2'-6"	3'-11"	7"			
4			1000100	100	1'-11"	5'-7"	7"			
		1	1000055	55	1'-11"	3'-5"	7"			

## CONE-BOTTOM TANKS

T7

CONE-BOTTOM TANKS											
F.O.B.			Stock Number	Nominal Capacity	Slope Degrees	Approx. O.D.	Overall Height with Stand	Lid Size	Ladder Height		
LA	VA	CA									
		1	4006850	6,850	60	10'-1"	20'-3"	24"		19'	
4			4006500	6,500	45	9'-3"	19'-3"	24"		19'	
		1	4105550	5,550	30	10'-0"	15'-4"	24"		15'	
4			4005350	5,350	45	9'-3"	16'-11"	24"		16'	
4		1	4002300	2,300	30	7'-11"	9'-9"	16"/24"		9'	
		1	4001400	1,400	30	7'-11"	7'-2"	16"/24"		7'	
		1	4001070	1,070	45	5'-1"	11'-2"	17"		10'	
		1	4000735	735	48	5'-1"	8'-11"	17"		8'	
		1	4000615	615	44	4'-0"	9'-9"	17"		9'	
		1	4000335	335	44	4'-0"	6'-9"	17"		6'	



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# OPEN-TOP TANKS



T8

## OPEN-TOP / CONTAINMENT TANKS

F.O.B.			Stock Number	Nominal Capacity	Approx. O.D.	Approx. Overall Height	Flange Type	Cover Type
LA	VA	CA						
		1	1514650	14,650	14'-0"	13'-1"	Internal	
		1	1512300	12,300	12'-0"	15'-0"	Internal	
		1	1506900	6,900	12'-0"	8'-4"	Internal	
		1	1505000	5,000	12'-0"	6'-0"	Internal	
		1	1504000	4,000	10'-0"	6'-11"	Internal	
	7		1503650	3,650	8'-6"	9'-0"	Internal	
4			1503050	3,050	8'-0"	8'-5"	External	Domed Cover
		1	1502890	2,890	10'-0"	5'-0"	Internal	
4			1502650	2,650	8'-0"	7'-3"	External	Domed Cover
		1	1502400	2,400	7'-5"	7'-7"	Internal	
4			1502000	2,000	8'-0"	5'-7"	External	Domed Cover
	7		1501800	1,800	6'-1"	8'-6"	Internal	
		1	1501800	1,800	6'-1"	8'-7"	Internal	
	7		1501750	1,750	7'-9"	5'-1"	Internal	
	7		1501200	1,200	7'-8"	3'-8"	Internal	
		1	1501200	1,200	6'-1"	5'-7"	Internal	
	7		1501150	1,150	6'-1"	5'-7"	Internal	
	7		1500960	960	5'-4"	6'-0"	Internal	
		1	1500760	760	6'-1"	3'-7"	Internal	
	7		1500715	715	6'-1"	3'-9"	Internal	
		1	1500710	710	5'-1"	4'-9"	Internal	
	7		1500700	700	5'-1"	4'-9"	Internal	
		1	1500515	515	4'-0"	5'-7"	Internal	
4			1500470	470	3'-10"	5'-8"	External	Mod. Shoe Box
		1	1500370	370	4'-0"	4'-0"	Internal	
	7		1500360	360	4'-0"	4'-0"	Internal	
4			1500330	330	3'-10"	4'-0"	External	Mod. Shoe Box
4			1500160	160	2'-7"	4'-4"	External	Mod. Shoe Box
		1	1500160	160	3'-1"	3'-0"	Internal	
	7		1500155	155	3'-1"	3'-0"	Internal	



## SECONDARY CONTAINMENT BASINS

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SECONDARY CONTAINMENT – CYLINDRICAL – NESTABLE								
F.O.B.			Stock Number	Nominal Capacity	Approx. O.D. Top*	Approx. O.D. Bottom	Approx. Overall Height	Flange Width
LA	VA	CA						
4			1501500	1500	11'-9"	11'-6"	2'-0"	2"
	7		1500935	935	6'-7"	6'-3"	4'-0"	2"
	7		1500570	570	6'-6"	6'-4"	2'-7"	2"

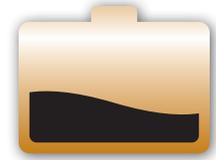
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SECONDARY CONTAINMENT – RECTANGULAR								
F.O.B.			Stock Number	Nominal Capacity	Approx. I.D. Length	Approx. I.D. Width	Approx. Overall Height	Flange Width
LA	VA	CA						
4			5101850	1,850	9'-11"	8'-11"	2'-11"	3"
4			5101500	1,500	6'-3"	5'-3"	7'-2"	4"
4			5101150	1,150	5'-9"	4'-9"	6'-2"	3"
		1	5101000	1,000	12'-7"	7'-7"	2'-4"	N/A
		1	5100730	730	8'-6"	4'-10"	3'-0"	N/A
4			5100700	700	8'-0"	6'-0"	2'-1"	3"
4			5100635	635	9'-2"	3'-1"	3'-2"	4"
		1	5100555	555	6'-6"	4'-10"	3'-0"	N/A
4	7		5100440	440**	5'-8"	4'-8"	2'-6"	2"
4			5100385	385	5'-6"	3'-7"	2'-10"	2"
	7		5100320	320	5'-6"	3'-5"	2'-8"	3"
4			5100225	225**	4'-10"	3'-2"	2'-1"	4"
		1	5300175	175	10'-5"	5'-0"	8"	3"
4		1	5300135	135	3'-5"	3'-5"	2'-2"	N/A
4			5100080	80	3'-1"	2'-1"	2'-1"	2"

\* Diameter does not include flange.

\*\* Support stand with grating is available.

**NOTE:** External support is required to maintain calculated volume on rectangular tanks.



# HORIZONTAL TANKS

T<sub>11</sub>

## HORIZONTAL TANKS

F.O.B.			Stock Number	Nominal Capacity	Approx. O.D.	Approx. Length	Lid Size	Saddle Stock #	4' Stand Stock #	6' Stand Stock #
LA	VA	CA								
		1	3002600	2,600	5'-10"	13'-8"	16"	6319		
4			3001950	1,950	5'-4"	13'-2"	19"	3464	3475	3486
		1	3001050	1,050	4'-0"	11'-11"	17"	6316		
4			3001000	1,000	5'-4"	7'-3"	10'/19"	3459	3472	3483
		1	3000610	610	3'-11"	7'-9"	7"	6678		
4			3000520	520	4'-0"	6'-4"	10"	3456	3470	3481
		1	3000400	400	3'-6"	6'-0"	17"	6312		
		1	3000170	170	2'-8"	4'-7"	12"	6306		

T<sub>12</sub>

## HORIZONTAL LEG TANKS

F.O.B.			Stock Number	Nominal Capacity	Approx. O.D.	Approx. Length	Lid Size	Stock # for Metalwork
LA	VA	CA						
4			3502500	2,500	5'-5" x 6'-10"	13'-0"	22"	5307
		1	3402500	2,500	5'-10"	14'-11"	17"	6329
		1	3401750	1,750	5'-0"	12'-11"	17"	6328
4			3401600	1,600	4'-8"	13'-3"	22"	5303
		1	3401060	1,060	5'-4"	7'-3"	17"	6327
4			3401050	1,050	4'-0"	12'-9"	16"	5299
		1	3401030	1,030	4'-0"	11'-11"	17"	6326
4			3400700	700	4'-6"	6'-9"	16"	7614
4		1	3400515	515	4'-0"	6'-4"	12"	6325
4			3400410	410	3'-7"	5'-11"	12"	6324
4			3400330	330	3'-3"	6'-2"	12"	6323
4		1	3400220	220	3'-3"	4'-2"	12"	6322
4		1	3400135	135	2'-7"	3'-10"	12"	6321
4			3400065	65	1'-11"	3'-6"	7"	

# VENTING REQUIREMENTS

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 <b>CANNOT</b> 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.



# CHEMICAL RESISTANCE GUIDE

CHEMICAL	RESIN TYPE	SPECIFIC GRAVITY RATING	FITTING MATERIAL	GASKET MATERIAL	BOLT MATERIAL
Acetic Acid ≤ 80%	XLPE	1.9	PP	EPDM	316SS
Aluminum Sulfate	XLPE	1.65	PVC/CPVC	EPDM	316SS
Calcium Carbonate	XLPE	1.9	PVC/CPVC	EPDM	316SS
Calcium Chloride	XLPE	1.65	PVC/CPVC	EPDM	Titanium
Citric Acid	XLPE	1.65	PVC/CPVC	EPDM	316SS
Deionized Water	XLPE	1.65	PVC/CPVC	EPDM	316SS
Ethylene Glycol	XLPE	1.35	PVC/CPVC	EPDM	316SS
Ferric Chloride	XLPE	1.65	PVC/CPVC	EPDM	Titanium
Ferric Sulfate	XLPE	1.65	PVC/CPVC	EPDM	Titanium
Ferrous Chloride	XLPE	1.9	PVC/CPVC	EPDM	Titanium
Ferrous Sulfate	XLPE	1.65	PVC/CPVC	EPDM	Titanium
Hydrochloric Acid ≤ 37%	XLPE with OR-1000™	1.9	PVC/CPVC	EPDM	C-276
Hydrofluoric Acid	XLPE	1.9	PP	Viton®	C-276
Hydrofluosilicic Acid	XLPE	1.9	PVC/CPVC	EPDM	C-276
Hydrogen Peroxide	XLPE	1.9	PVC/CPVC	Viton®	316SS
Magnesium Chloride 30%	XLPE	1.65	PVC/CPVC	EPDM	Titanium
Phosphoric Acid > 50%	XLPE	1.9	PVC/CPVC	Viton®	C-276
Phosphoric Acid ≤ 50%	XLPE	1.9	PVC/CPVC	Viton®	316SS
Potable Water	HDPE	1.35	PVC/CPVC	EPDM	316SS
Potassium Hydroxide	XLPE	1.9	PVC/CPVC	EPDM	C-276
Sodium Bisulfite	XLPE	1.65	PVC/CPVC	EPDM	316SS
Sodium Carbonate	XLPE	1.35	PVC/CPVC	EPDM	Titanium
Sodium Chlorite	XLPE	1.9	PVC/CPVC	Viton® GF	316SS
Sodium Hydroxide 50%	XLPE	1.65	PVC/CPVC	EPDM	316SS
Sodium Hypochlorite 2%–15%	XLPE with OR-1000™	1.9	PVC/CPVC	EPDM/Viton®	Titanium
Sodium Hypochlorite < 2%	XLPE	1.35–1.9	PVC/CPVC	EPDM/Viton®	Titanium
Sulfuric Acid ≥ 93%	XLPE with OR-1000™	2.2	PVC/CPVC	Viton®	316SS
Sulfuric Acid 80%–92%	XLPE with OR-1000™	2.2	PVC/CPVC	Viton®	C-276
Sulfuric Acid < 80%	XLPE	1.9	PVC/CPVC	Viton®	C-276

»» For more resistance information, including details on other chemicals, visit [www.polyprocessing.com](http://www.polyprocessing.com) and access our Chemical Resistance Online Guide.

**Temperature:** Product temperature is limited to 100 degrees F. For temperatures from 100 to 150 degrees F, contact Customer Service.

## MATERIAL DESCRIPTIONS

### Fitting materials:

- PP (Polypropylene) – light, durable pipe or fitting material with outstanding chemical resistance
- PVC (Polyvinyl Chloride) – stronger, more rigid pipe or fitting material with excellent chemical resistance
- CPVC (Chlorinated Polyvinyl Chloride) – stronger, more rigid pipe or fitting material with higher temperature rating

### Gasket materials:

- EPDM (ethylene propylene diene monomer) – good abrasion and tear resistance with excellent chemical resistance
- Viton® (fluorocarbon) – broader temperature and chemical resistance
- Viton® GF/GORE-TEX® – highest temperature resistance

### Bolt materials:

- 316SS (stainless steel type 316) – common alloy used in many storage applications
- Titanium – strong as steel, but half the weight
- C-276 (Alloy C-276) – broader chemical resistance for more difficult storage applications

## LIMITED WARRANTY

POLY PROCESSING COMPANY PRODUCT	WARRANTY PERIOD
CROSSLINKED POLYETHYLENE TANKS for all suitable applications except those listed below	5 yrs.
IMFO® tanks storing SODIUM HYPOCHLORITE 9–15 wt% XLPE w/ OR-1000™, 1.9 spg rating	5 yrs.
NON-IMFO® tanks storing SODIUM HYPOCHLORITE 9–15 wt% 1,000 gallons and larger: XLPE w/ OR-1000™, 1.9 spg rating Less than 1,000 gallons: XLPE 1.9 spg rating	3 yrs.
Tanks storing SULFURIC ACID ≥ 80% concentration SAFE-Tank® to 8,700 gallons: XLPE w/ OR-1000™, 2.2 spg rating Vertical tanks 1,000–6,600 gallons: XLPE w/ OR-1000™, 2.2 spg rating Vertical tanks less than 1,000 gallons: XLPE 1.9 spg rating	3 yrs.
Tanks storing HYDROCHLORIC ACID ≤ 37% concentration XLPE w/ OR-1000™, 1.9 spg rating	5 yrs.
Tanks storing HYDROCHLORIC ACID ≤ 37% concentration XLPE 1.9 spg rating	3 yrs.
LINEAR POLYETHYLENE TANKS for all suitable applications except Sodium Hypochlorite 9–15%; Sulfuric Acid and Hydrochloric Acid of any concentration	3 yrs.

Poly Processing Company’s warranty consists of repair or replacement of defective product. Owner and/or user may be requested to provide a cleaned section of the product in question for evaluation. Product disposal or alternate use is the owner’s and/or user’s responsibility. Warranty begins at date of shipment from PPC plant. Parts and ancillary items are warranted for ninety (90) days.

Poly Processing Company’s liability is limited to either repair or replacement of its product. By accepting delivery of the product, owner and/or user waives any claim against PPC for incidental or consequential damages as they relate to lost profits or sales or to injury of persons or property, including secondary containment. Owner and/or user accepts full responsibility for providing secondary containment appropriate and adequate for the stored material.

**This warranty will be nullified if:**

1. Product has been used in manner other than its originally declared purpose or if PPC tank recommendations have not been followed.
2. Product has not been installed, used and maintained in accordance with a) all federal, state and local laws and regulations; b) generally accepted best practices within the applicable industry; and c) guidelines set forth in the PPC Installation Manual and/or in PPC Technical Overviews.
3. Product has been altered or repaired by unauthorized personnel.
4. Notification of the defect has not been made in writing within the warranty period.
5. Invoice for product has not been paid.
6. Product has been subjected to misuse, negligence, fire, accident, act of war or act of God.

The limited warranty described herein is Poly Processing Company’s sole warranty and the complete, final and exclusive statement of the terms of the warranty. Owner and/or user may not rely on any oral statement or representations. This warranty is neither assignable nor transferable.



## **DELIVERY:**

Getting it to you at the right time, in the right condition.

At Poly Processing, we do our best to keep you informed and on track. Once you place your order with us, you'll have full access to daily order tracking, and **we'll give you 24 to 48 hours' notice of tank delivery** as well. We'll gladly work with you to accommodate special needs, coordinating with issues such as crane delivery.

**Your order will ship directly from one of our three strategically located plant sites:** Louisiana, California or Virginia. We make all the arrangements for wide loads, escort-permitted loads, flatbeds, vans, less-than-truckloads, and common carriers and hot shots. We also ship via UPS and Fed Ex, when it makes sense to do so. We have the ability to handle overseas shipments, too.

All of our tanks are washed, cleaned, protective-wrapped and final inspected before shipment, and common carrier shipments are wrapped and palletized.

For extra security, fitting and thread protectors are added, and all loose parts are boxed and labeled.

### **CALIFORNIA**

8055 S. Ash St.  
French Camp, CA 95231  
Tel: 877.325.3142

### **LOUISIANA**

P. O. Box 4150  
2201 Old Sterlington Rd.  
Monroe, LA 71203  
Tel: 866.590.6845

### **VIRGINIA**

161 McGhee Rd.  
Winchester, VA 22603  
Tel: 866.590.6845

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