



**Welding &  
Fabrication Inc.**

# **POLYETHYLENE TANKS**



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# Vertical Storage Tanks

Rotationally molded tanks from your choice of virgin high density crosslink or FDA-compliant linear polyethylene. Either is more corrosion and chemical resistant than fiberglass, stainless or mild steel. Tanks are semi-translucent, one-piece seamless molded units with gallon markers and access openings molded-in. Wall thickness conforms to ASTM D-1998 standards for liquid storage. Narrow diameters for space-saving in-plant use. They possess excellent low temperature impact resistance and are U.V. stabilized. Available in natural color or optional blue, green, red, yellow or black. Can be equipped with accessories to fit your needs.



Model Number	Capacity (US Gallons)	Dimensions (inches)		Weight (lbs) Linear and Crosslink Polyethylene				Access Opening (inches)
		Diameter	Height	1.35 Sp. Gravity	1.5 Sp. Gravity	1.9 Sp. Gravity	2.2 Sp. Gravity	
ICT 40	40	20	38	N/A	N/A	20	N/A	16
ICT 60	60	23	42	N/A	N/A	28	N/A	16
ICT 65	65	23	44	N/A	N/A	28	N/A	7
ICT 80	80	24	49	N/A	N/A	30	N/A	16
ICT 120	120	29	52	N/A	N/A	50	N/A	7
ICT 140	140	29	58	N/A	N/A	50	N/A	16
ICT 175	175	35	51	N/A	N/A	56	N/A	16
ICT 200 (35")	200	35	57	N/A	N/A	64	N/A	16
ICT 200 (36")	200	36	53	N/A	N/A	60	N/A	16
ICT 250	250	35	69	N/A	N/A	75	N/A	16
ICT 300	300	35	82	N/A	N/A	85	115	16
ICT 400	400	48	63	N/A	N/A	99	120	16
ACT 550	550	69	43	N/A	N/A	120	120	16
ICT 550	550	48	82	N/A	130	130	160	16
IFT 550	550	48	83	N/A	130	130	160	11
ICT 625	625	48	93	N/A	N/A	140	175	16
ICT 700	700	69	58	N/A	130	150	175	16
ICT 850	850	48	120	166	180	230	267	16
IFT 950	950	64	83	171	190	205	240	11
ICT 1000	1000	64	84	171	190	205	240	16
ICT 1100	1100	86	55	171	190	220	260	16
ICT 1200	1200	64	100	203	260	330	350	16
ACT 1500	1500	86	74	227	250	320	420	16
ICT 1500	1500	64	121	295	320	415	480	16
ICT 1850	1850	96	78	335	350	400	605	16
ICT 2000	2000	86	100	335	375	430	665	16
ICT 2050	2050	64	165	450	500	620	800	16
ICT 2400	2400	96	95	412	450	620	800	16
ICT 2500	2500	86	119	441	450	620	808	16
ICT 2900	2900	96	111	568	620	800	990	16
ICT 3000	3000	90	122	568	620	800	1035	16
ICT 4000	4000	90	162	782	850	1100	1620	16
ICT 4100	4100	119	108	782	850	1100	1400	24*
ICT 4200	4200	96	152	782	850	1100	1620	16
ICT 5200	5200	105	160	1101	1200	1550	1895	24*
ICT 5500	5500	119	141	1215	1350	1600	2200	24*
ICT 5600	5600	96	196	1350	1500	1750	2600	24*
ICT 6500	6500	105	193	1776	1900	2500	2850	24*
ICT 6510	6510	119	163	1575	1750	2000	2450	24*
ICT 7300	7300	119	177	2028	2244	2866	3299	24*
ICT 8000	8000	143	142	1989	2200	2800	3250	24*
ICT 8410	8400	119	201	2758	3065	3882	4495	24*
ICT 10000	10000	143	173	2700	3000	3400	4770	24*
ICT 12000	12000	143	196	3400	3800	4400	5340	24*

# Double Wall Tanks

Double wall tanks (IMT) provide the best protection against hazardous chemical spills into the environment. Inner tank dome overlaps outer tank sidewall to prevent rainwater, snow and debris from entering into the containment basin. Our ability to heat trace and insulate make these tanks perfect for temperature sensitive chemicals. Molded-in lifting lugs and upper fitting flats are standard. Molded-in lower fitting flats, along with a sturdy designed bottom outlet, reduce the cost of expensive double wall outlets.

All double wall tanks are designed with wall thicknesses equal to or greater than that required by ASTM D-1998 standards. Double wall tanks can be customized by adding Seismic zone 4 or 120 MPH wind load tie down assemblies, leak detection, ultrasonic level indicators, and ladders.

## Accessories for Double Wall Tanks

- Seismic zone 4 restraint
- 120 MPH wind load restraint
- Ultrasonic level indicator
- Leak detection system
- High and low level alarms
- Heat tracing and insulation
- Fiber Reinforced Ladders
- Top discharge assemblies with foot valve
- Standard 16" or optional 21" top manways

Double wall tanks can be equipped with accessories to fit your specifications



Model Number	Cap. (US Gals)	Dimensions (inches)		Weight (lbs) Linear Polyethylene						Weight (lbs) Crosslink Polyethylene						Access Open. (in)
				Primary Sp.Gravity			Secondary Sp. Gravity			Primary Sp. Gravity			Secondary Sp. Gravity			
		Dia.	Hgt.	1.5	1.9	2.2	1.5	1.9	2.2	1.5	1.9	2.2	1.5	1.9	2.2	
<b>IMT 550</b>	550	60	73	N/A	130	159	N/A	130	151	N/A	130	159	N/A	130	159	16
<b>IMT 1050</b>	1050	72	87	185	205	233	191	244	283	185	205	226	176	221	256	16
<b>IMT 1550</b>	1550	72	123	325	408	472	309	392	454	297	380	440	283	359	416	16
<b>IMT 2050</b>	2050	72	159	551	691	809	596	748	875	505	633	738	545	697	799	16
<b>IMT 2550</b>	2550	96	119	643	823	953	499	632	732	600	748	866	457	579	671	16
<b>IMT 3050</b>	3050	96	138	817	1022	1183	694	879	1018	739	944	1093	636	806	933	16
<b>IMT 4050</b>	4050	96	177	1252	1607	1870	1178	1492	1728	1158	1476	1700	1178	1492	1728	16
<b>IMT 5250</b>	5250	119	154	1484	1920	2225	1342	1699	1968	1372	1753	2025	1230	1558	1804	16
<b>IMT 6550</b>	6550	119	186	2181	2778	3200	2028	2569	2974	2000	2570	2960	2028	2569	2974	16

Model number availability and individual specifications subject to change without notice.

## Small Double Wall Tanks

This system consists of a primary inner tank and secondary containment, with a capacity of 120% of the inner tank, exceeding EPA standards and complies with 40 CFR-264.193.

- Inner tank dome overlaps outer tank sidewall to help prevent rainwater, snow, and debris from entering secondary containment, making system ideal for outdoor storage of chemicals.
- Molded 7" threaded top access opening is standard. This access opening is chemically resistant and fume tight. Larger access openings available.
- Small footprints of 34½" & under will fit through standard 36" doorway to allow convenient system location within tight manufacturing areas.
- Molded in pump shelf is ideal for installing chemical pumps and metering equipment. This pump shelf is recessed in the top of the tank to contain small chemical spills.
- Recessed lower fitting flat will allow fittings to penetrate through the secondary containment wall and into the primary tanks sump. This feature allows full flooded suction for outlet assemblies.
- Interstitial leak detection systems option available.



Inner tank dome overlaps outer tank to prevent contamination.



Molded in pump shelf is recessed in the top of the tank. Shown w/optional metering pump.



Molded in sump in the primary tank is located directly below the pump shelf. Suction lines can be lowered onto the sump area, which will allow for maximum drainage of chemical with top discharge assemblies.

Model Number	Cap. (US Gals)	Dimensions (inches)		Weight (lbs) Linear Polyethylene						Weight (lbs) Crosslink Polyethylene						Access Open. (in)
				Primary Sp. Gravity			Secondary Sp. Gravity			Primary Sp. Gravity			Secondary Sp. Gravity			
		Dia.	Hgt.	1.5	1.9	2.2	1.5	1.9	2.2	1.5	1.9	2.2	1.5	1.9	2.2	
<b>IMT 20</b>	20	26 1/8	21 3/8	N/A	17	N/A	N/A	17	N/A	N/A	17	N/A	N/A	17	N/A	7
<b>IMT 40</b>	40	26 1/8	33 1/2	N/A	26	N/A	N/A	26	N/A	N/A	26	N/A	N/A	26	N/A	7
<b>IMT 65</b>	65	26 1/8	47 3/4	N/A	36	N/A	N/A	36	N/A	N/A	36	N/A	N/A	36	N/A	7
<b>IMT 85</b>	85	34 1/2	38 1/2	N/A	45	N/A	N/A	45	N/A	N/A	45	N/A	N/A	45	N/A	7
<b>IMT 120</b>	120	34 1/2	51	N/A	56	N/A	N/A	56	N/A	N/A	56	N/A	N/A	56	N/A	7
<b>IMT 150</b>	150	47	44	N/A	65	N/A	N/A	65	N/A	N/A	65	N/A	N/A	65	N/A	7/16
<b>IMT 165</b>	165	34 1/2	66	N/A	69	N/A	N/A	69	N/A	N/A	69	N/A	N/A	69	N/A	7
<b>IMT 250</b>	250	47	61	N/A	95	N/A	N/A	95	N/A	N/A	95	N/A	N/A	95	N/A	7/16
<b>IMT 405</b>	405	47	76	N/A	74	82	N/A	77	90	N/A	74	77	N/A	77	82	7/16

## Conical Bottom Storage Tanks

Conical bottom tanks (OTCB, ICB) are available in seamless molded one piece units from either virgin high density crosslink or FDA-compliant linear polyethylene. A funnel shaped conical bottom with 30° or 45° slope is molded-in as are gallon markers and access openings. They have more resistance to corrosion and chemicals than fiberglass, stainless or mild steel. Wall thickness conforms to ASTM D-1998 standards for liquid containment. They possess excellent low temperature impact resistance and are U.V. stabilized against degradation by sunlight. Factory approved steel support work is required or can be supplied. Tanks are available in natural color or optional blue, green, yellow or black. Other options include agitator support brackets, ladders and tie-down assemblies. They can be equipped with accessories to fit your specifications.



### **NEW!**

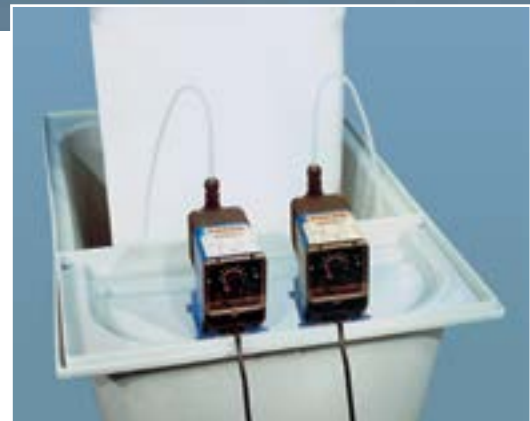
The APCB 560 gallon all polyethylene conical bottom tank and stand is best suited as a mix vessel for chemicals and corrosive acids. This one piece, full drain tank features molded in fitting placement flats on the tank roof, molded in forklift access for easy tank placement and four anchor points molded into the stand for stability.



Model Number	Capacity (US Gallons)	Slope (degrees)	Dimensions (inches)		Weight (lbs) Linear and Crosslink Polyethylene			Stand Weight (lbs)	Access Opening (inches)
			Diameter	Height	1.5 Sp. Gravity	1.9 Sp. Gravity	2.2 Sp. Gravity		
<b>OTCB 300</b>	300	45	49	88	N/A	115	133	210	Open Top
<b>OTCB 600</b>	600	45	57	105	N/A	180	208	260	Open Top
<b>OTCB 1100</b>	1100	45	69	109	173	218	255	350	Open Top
<b>APCB 560</b>	560	30	54	90	N/A	180	N/A	215	16
<b>ICB 1100</b>	1100	45	69	116	173	218	255	350	16
<b>ICB 1575</b>	1575	45	86	121	325	450	521	440	16
<b>ICB 2200</b>	2200	30	96	119	500	600	695	440	24 Top hinged
<b>ICB 2600</b>	2600	45	86	159	540	700	811	440	16
<b>ICB 3000</b>	3000	30	90	154	620	825	955	450	16
<b>ICB 4200</b>	4200	30	96	177	850	1000	1158	550	16
<b>ICB 6000</b>	6000	30	143	162	1800	1900	2200	3200	24 Top hinged
<b>ICB 8000</b>	8000	30	143	190	2000	2600	3000	3200	24 Top hinged

# Chemical Feed Stations

Complete ready to use Chemical Feed Stations (CFS) allow you to handle small amounts of liquids and other chemicals without the handling costs and inconvenient disposal of drums. Lightweight, easy to handle, and self contained construction adds to the complete ready to use design. Added features such as molded pump shelves, polyethylene primary tank stands, custom design fittings, and accessories help to individualize any customer's needs. Chemical Feed Stations are constructed from high density crosslink polyethylene or FDA compliant linear polyethylene.



Polyethylene pump shelf supports most pumps and metering devices. Optional fiberglass shelves are available for pumps and metering devices totaling 25 pounds or more.



Optional polyethylene stands, which may be stacked 2-high, support the primary tank for gravity feed.

Model Number	Capacity (US Gallons)	Dimensions (inches)			Access Opening (inches)
		Length	Width	Height	
<b>CFS 40</b>	40	32	26	38	16
<b>CFS 60</b>	60	47	32	42	16
<b>CFS 80</b>	80	47	32	49	16
<b>CFS 140</b>	140	52	38	58	16
<b>CFS 175</b>	175	60	43	51	16
<b>CFS 200</b>	200	60	43	57	16
<b>CFS 250</b>	250	72	43	69	16
<b>CFS 300</b>	300	72	43	82	16
<b>CFS 550</b>	550	83	64	82	16

## Miscellaneous Storage Tanks

Industrial Mini Bulk (IMB) and Industrial Mini Drum tanks (IMD) are molded in either high density crosslink polyethylene or NSF Certified linear polyethylene. Molded polyethylene skids are optional for both IMB 120 and 200 models. These skids allow the tank to be lifted and re-located during non-use periods. The IMD series tanks have molded in baffles and forklift access.



Model Number	Capacity (US Gallons)	Dimensions (inches)		Weight (lbs) 1.9 Sp. Gravity		Access Opening (inches)
		Diameter	Height	Linear Polyethylene	Crosslinked Polyethylene	
<b>IMB 120</b>	120	40	30	40	40	6
<b>IMB 200</b>	200	40	44	50	50	6
<b>IMB-Pallet</b>	--	--	4	40	40	--
<b>IMD 110</b>	110	37	32	35	35	6
<b>IMD 175</b>	175	37	45	50	50	6

## Open Top Tanks

Industrial Open Top tanks (IOT) are molded from your choice of virgin high density cross-link or NSF certified linear polyethylene. These flat bottom vertical tanks are molded with a stiffening lip on the top to give the tank rigidity, and they are equipped with shoe-box style cover. Open top tank covers have a unique design that allows the lid to be hinged and stay open. Available in a variety of colors and in sizes ranging from 30 to 680 gallons. As an option for these tanks, we offers both stainless steel and mild steel epoxy coated agitator support stands.



Model Number	Capacity (US Gallons)	Dimensions (inches)		Weight (lbs) 1.9 Sp. Gravity		Access Opening (inches)
		Diameter	Height	Linear Polyethylene	Crosslinked Polyethylene	
<b>IOT 30</b>	30	19	30	18	18	Open top
<b>IOT 40</b>	40	18	41	27	27	Open top
<b>IOT 70</b>	70	22	46	33	33	Open top
<b>IOT 90</b>	90	24	50	42	42	Open top
<b>IOT 150</b>	150	30	51	55	55	Open top
<b>IOT 210</b>	210	35	52	65	65	Open top
<b>IOT 300</b>	300	42	57	95	95	Open top
<b>IOT 400</b>	400	69	32	120	120	Open top
<b>IOT 680</b>	680	69	48	130	130	Open top

## Double Wall Base Containers

Rectangular, low profile, chemical storage tank for various material handling applications. Features a primary tank that holds 450 US gallons, allowing intermediate bulk containers (IBC) to be quickly emptied and back on the road. Constructed from crosslink polyethylene or FDA approved and NSF Certified linear polyethylene.



Model Number	Capacity (US Gallons)	Dimensions (inches)			Weight (lbs) Linear and Crosslinked Polyethylene		Access Opening (inches)
		Width	Length	Height	1.9 Sp. G	2.2 Sp. G	
<b>BC 450</b>	450	73	73	44	802	N/A	11

# Rectangular Secondary Containment Basins

Secondary containment basins (IRD) are molded in virgin high density crosslink or FDA-compliant linear polyethylene. They have a tapered design for nesting during shipping. These meet or exceed EPA requirements for containment of dangerous chemicals. Check with local regulatory agencies for compliance in your area. When determining size of secondary containment basins, always refer to factory drawings to confirm primary storage tank size compatibility.



Model Number	Capacity (US Gallons)	Dimensions (inches)			Contains Tank Max. Diameter (inches)	Weight (lbs) Linear PE
		Length	Width	Height		
<b>IRD 40</b>	52	32	26	20	20	25
<b>IRD 80</b>	95	47	32	20	24	40
<b>IRD 140</b>	155	52	38	24	29	65
<b>IRD 200</b>	200	57 ½	45	24	35	75
<b>IRD 240</b>	240	60	43	28	35	80
<b>IRD 275</b>	275	64 ½	52	24	42	75
<b>IRD 330</b>	330	72	43	31	35	90
<b>IRD 375</b>	375	66	66	24	58	100
<b>IRD 440</b>	440	72	60	30	54	175
<b>IRD 495</b>	495	69	69	29	61	125
<b>IRD 660</b>	660	83	64	40	48	220
<b>IRD 950</b>	950	83	83	46	68	320
<b>IRD 1650</b>	1650	99	99	53	84	400
<b>IRD 1750</b>	1750	218	108	21	2 each 90	400
<b>IRD 3500</b>	3500	218	108	40	2 each 90	700



## Cylindrical Secondary Containment Basins

These cylindrical containment tanks (IRD) are available in either virgin high density crosslink or medium density FDA-compliant linear polyethylene. A 2"×2"×3/16" angle iron top support ring is optional and can be ordered separately. Epoxy painted mild steel or 316 stainless steel rings are available. Basins meet or exceed EPA standards. Local regulations should be checked to assure compliance.



Model Number	Capacity (US Gallons)	Diameter (inches)		Contains Tank Max. Diameter (inches)
		Diameter	Cut Height	
<b>IRD 550</b>	up to 690	60	0 to 58	48
<b>IRD 1050</b>	up to 1200	72	58 to 72	64
<b>IRD 1550</b>	1200 - 1800	72	72 to 108	64
<b>IRD 2300</b>	1800 - 2300	72	108 to 135	64
<b>IRD 1100</b>	up to 982	86	0 to 40	82
<b>IRD 150A</b>	982 to 1301	86	40 to 53	82
<b>IRD 2000</b>	1301 to 1891	86	53 to 77	82
<b>IRD 2500</b>	1891 to 2406	86	77 to 98	82
<b>IRD 3000</b>	up to 2881	90	0 to 107	86
<b>IRD 4000</b>	2881 to 3877	90	107 to 144	86
<b>IRD 1850</b>	up to 1760	96	0 to 58	92
<b>IRD 2400</b>	1760 to 2277	96	58 to 75	92
<b>IRD 2900</b>	2277 to 2762	96	75 to 91	92
<b>IRD 4100</b>	up to 3900	119	0 to 84	115
<b>IRD 4200</b>	2762 to 4200	96	91 to 140	92
<b>IRD 5600</b>	4200 to 5300	96	140 to 177	92
<b>IRD 5200</b>	up to 4800	105	0 to 133	101
<b>IRD 6500</b>	4800 to 6200	105	133 to 172	101
<b>IRD 5500</b>	3900 to 5400	119	84 to 116	115
<b>IRD 6510</b>	5400 to 6100	119	116 to 131	115
<b>IRD 8000</b>	up to 7800	143	0 to 116	139
<b>IRD 10000</b>	7800 to 9900	143	116 to 147	139
<b>IRD 12000</b>	9900 to 11000	143	147 to 163	139

# Tank Heat Tracing and Insulation



Tanks are available with a heating system to maintain the level required by temperature sensitive stored liquids. Adhesive backed thin carbon strip heat tracing elements embedded in clear polyester film are wrapped around the tank and covered with a two-inch thick layer of polyurethane foam insulation covered with two coats of mastic. A control panel regulates temperature measured by high level and maintenance level thermostats set to desired limits. Using different heat tracing elements, temperature can be maintained at any point above 50°F, 80°F or 100°F over the lowest ambient temperature to which the tank is subjected. Heat tracing and insulation are available for vertical tanks from 300 to 12,000 gallons capacity, conical bottom tanks from 1,575 to 4,200 gallons and horizontal cylindrical tanks from 500 to 2,500 gallons. When requesting information, specify the gallon capacity and the Delta T (DT) for your material (the temperature differential is calculated by subtracting the minimum ambient temperature to which the tank is subject from the temperature at which your material must be maintained).

Control box (115V dual thermostats, 1 high level, 1 maintenance level).

