



ENPRESS is the nation's fastest growing developer and manufacturer of composite pressure vessels for water treatment systems. Located near Cleveland, Ohio, their highly automated plant is dedicated solely to the manufacture of composite vessels. ResinTech is proud to offer and represent this cutting edge technology as a complement to the ion exchange resin and activated carbon product line.

## FEATURES & BENEFITS

- **STATE-OF-THE-ART DESIGN**  
Injection molded heads and polypropylene liners, manufactured to the tightest tolerances
- **HIGH IMPACT CONSTRUCTION**  
Built to withstand the rigors of portable exchange service
- **STRONG AND LIGHTWEIGHT**  
Up to 16 pounds lighter than competitive brands (14x47)
- **BASE DESIGNED FOR ROLLING**  
Safely and easily move tanks across the floor at the customer's location and in the shop



## RESINTECH® ION EXCHANGE TANKS

By ENPRESS™

### DI EXCHANGE TANKS

ENPRESS LLC, a leading manufacturer of composite pressure vessels for use in water treatment, introduces a line of tanks designed for the rigors of the Portable Exchange DI market.

#### TANK

The use of a special high temperature, high pressure injection process results in a durable tank that exhibits superior abuse and impact resistance. The glass-filled threaded inlet is mechanically and chemically welded to the dome so potential leak paths are eliminated. The manufacturing process incorporates computer controlled cut-lengths to achieve the most consistent vessel height in the industry, with tolerances as low as 3/16". ENPRESS tank inlets accept all 2.5" NPSM, 4" UN, and 4.5" buttress-threaded inlets and heads. All tanks are backed by an exclusive 5 year limited warranty for non-permanent DI applications.

#### LINER

All tanks feature an industry exclusive co-polymer polypropylene liner formulation that provides superior performance in both hot and cold environments, along with superior impact and abuse resistance.

#### BASE

The revolutionary base design provides a significant weight reduction as compared to traditional rubber bases, making the Enpress tank system lightweight and easy to handle (saving up to 16 pounds per vessel!) The poly bases provide full support of the bottom dome of the vessel and have an integrated rib that facilitates rolling the tank across the floor. No more struggles of rolling a flat tire-like vessel across the floor. Also, the tank bases have integrated ribs and glue points that allow for uniform gluing of the boot to the tank, keeping the tank level and preventing the base from coming off.



ResinTech offers a complete line of DI Exchange heads, riser tubes, internals and fittings for all your application needs. See bulletin "DI Tank Parts and Fittings" for detailed information

## SPECIFICATIONS

#### OPERATING PARAMETERS:

- Maximum operating pressure: 150 psi/10 Bar
- Maximum operating temp: 120°F/50°C

#### DESIGN PARAMETERS:

- 250,000+ cycles, 0 to 150 psi, without leakage
- 4:1 safety factor (600 psi minimum burst)
- Stress Rupture: minimum 1,000 hours at 150°F and 150 psi static pressure

#### AVAILABLE IN 5 STANDARD COLORS

- Natural, Blue, Almond, Grey, Black
- Custom colors available upon request.

#### INNER SHELL MATERIAL

- Co-polymer polypropylene
- Custom formulation provides superior performance in both hot and cold temperature environments.
- Superior elasticity of polypropylene allows for controlled 'breathing' without stressing the material.

#### BASE:

- Injection molded impact/temperature resistant polypropylene

#### INJECTION MOLDED TOP AND BOTTOM DOMES

- Precision molding process produces consistent, part-to-part quality
- Uniform wall thickness provides optimum glass and inlet performance
- High temperature/high pressure injection molding allows the glass-filled threaded inlet to be mechanically and chemically welded to the dome, eliminating potential leak paths

#### EXTRUDED SIDE WALL

- Produces consistent wall thickness over the entire length of the part, eliminating potential thin spots or stress points.
- Computer controlled cut provides consistent lengths within 0.180 inches from part-to-part.

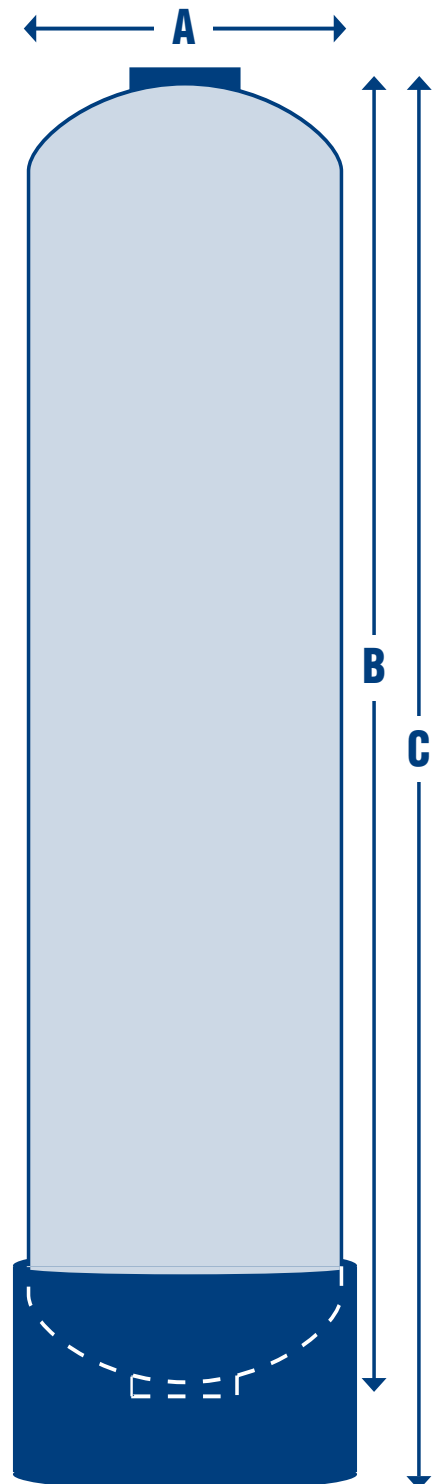
#### FIBERGLASS/EPOXY WINDING

- All vessels are precision wound with premium fiberglass roving on a computer controlled, 4 axis winder to optimize material and glass yield and performance.
- Epoxy laminate is oven-cured to exacting specifications for superior environmental performance.

TANK SIZE (DIA. X HT.)	A TANK DIAMETER (INCHES)	B HEIGHT W/O BASE INCH (MM)	C HEIGHT W BASE INCH (MM)	CAPACITY GALLONS (LITERS)	CAPACITY (CUBIC FEET)	EMPTY TANK WEIGHT W/ BASE (LBS.)
7 x 24	7"	23.1 (587)	23.6 (599)	3.4 (12.9)	0.45	4.3
7 x 30		29.4 (747)	30.4 (772)	4.4 (16.7)	0.59	5.1
7 x 35		34.4 (874)	34.9 (886)	5.0 (18.9)	0.67	5.7
7 x 44		43.8 (1113)	43.8 (1113)	6.5 (24.6)	0.87	6.9
8 x 18	8"	17.9 (455)	18.4 (467)	3.2 (12.1)	0.43	4.4
8 x 24		23.1 (587)	23.5 (597)	4.3 (16.3)	0.57	5.1
8 x 30		29.4 (747)	29.9 (759)	5.7 (21.6)	0.76	6.0
8 x 35		34.4 (874)	34.9 (886)	6.6 (25.0)	0.88	6.7
8 x 40		39.3 (998)	39.8 (1011)	7.6 (28.8)	1.02	7.4
8 x 44		43.7 (1110)	44.2 (1123)	8.5 (32.2)	1.14	8.0
9 x 18	9"	17.9 (455)	18.4 (470)	4.0 (15.1)	0.53	5.0
9 x 35		34.4 (874)	34.8 (884)	8.3 (31.4)	1.11	8.2
9 x 40		39.7 (1008)	40.3 (1024)	9.8 (37.1)	1.31	9.0
9 x 42		41.7 (1059)	42.3 (1074)	10.3 (39.0)	1.38	9.3
9 x 48		47.8 (1214)	48.3 (1227)	11.9 (45.0)	1.59	10.6
10 x 18	10"	17.9 (455)	18.5 (470)	4.8 (18.2)	0.64	5.9
10 x 22		21.4 (544)	22.0 (559)	5.9 (22.3)	0.79	6.6
10 x 24		23.1 (587)	23.7 (602)	6.6 (25.0)	0.88	7.0
10 x 30		39.4 (747)	30.0 (762)	8.6 (32.6)	1.15	8.4
10 x 35		34.4 (874)	35.0 (889)	10.3 (39.0)	1.38	9.4
10 x 40		39.9 (1013)	40.6 (1031)	12.1 (45.8)	1.62	10.5
10 x 44		43.5 (1105)	44.3 (1125)	13.3 (50.3)	1.78	11.4
10 x 47		46.4 (1179)	47.2 (1199)	14.2 (53.8)	1.90	12.0
10 x 54		53.8 (1367)	54.4 (1382)	16.5 (62.5)	2.21	13.5
10 x 60		59.9 (1521)	60.6 (1539)	18.7 (70.8)	2.50	14.9
10 x 65	64.4 (1637)	65.1 (1654)	20.1 (76.1)	2.69	15.8	
12 x 29	12"	28.9 (734)	29.5 (749)	12.1 (45.8)	1.62	10.8
12 x 36		35.7 (907)	36.3 (922)	15.1 (57.2)	2.02	12.6
12 x 40		39.1 (993)	39.8 (1011)	16.8 (63.6)	2.25	13.5
12 x 42		41.7 (1059)	42.4 (1077)	18.0 (68.1)	2.41	14.2
12 x 44		43.8 (1113)	44.5 (1130)	18.9 (71.6)	2.53	14.7
12 x 48		47.8 (1214)	48.5 (1232)	20.8 (78.7)	2.78	15.8
12 x 52	52.1 (1323)	52.8 (1341)	22.9 (86.6)	3.06	16.9	
13 x 30	13"	29.4 (747)	30.0 (762)	14.6 (55.3)	1.95	12.0
13 x 35		34.5 (876)	35.1 (892)	17.5 (66.2)	2.34	14.1
13 x 44		43.6 (1107)	44.4 (1128)	22.7 (85.9)	3.03	17.9
13 x 48		47.6 (1209)	48.3 (1227)	24.9 (94.3)	3.33	19.5
13 x 54		53.6 (1361)	54.3 (1379)	28.0 (106.0)	3.74	21.8
13 x 60		69.9 (1521)	60.6 (1539)	31.7 (120.0)	4.24	24.3
13 x 65	64.4 (1636)	65.1 (1654)	34.3 (129.8)	4.59	26.0	
14 x 30	14"	39.1 (740)	30.1 (765)	16.1 (60.8)	2.15	14.9
14 x 47		46.9 (1191)	47.9 (1216)	27.3 (103.5)	3.65	22.5
14 x 54		53.1 (1349)	54.1 (1375)	31.2 (118.1)	4.17	24.7
14 x 65		64.1 (1629)	65.1 (1654)	38.1 (144.3)	5.10	29.0
14 x 72		71.1 (1807)	72.1 (1832)	42.6 (161.3)	5.69	31.8
16 x 23	16"	-	23.1 (587)	15.4 (58.3)	2.06	17.0
16 x 28		-	28.0 (711)	19.5 (73.8)	2.61	18.5
16 x 36		-	36.5 (927)	27.1 (102.6)	3.62	21.0
16 x 44		-	44.25 (1124)	33.9 (128.3)	4.53	25.0
16 x 53		-	53.3 (1353)	41.7 (157.9)	5.57	21.0
16 x 65		-	64.7 (1643)	51.7 (195.7)	6.91	33.0
21 x 62	21"	-	67.0 (1702)	84.0 (318.0)	11.23	102.0
24 x 72	24"	-	73.1 (1857)	115.0 (435.3)	15.37	127.0



## TECHNICAL DATA TANK DIMENSIONS AND VOLUMES



**NOTE: ALL DATA IS FOR REFERENCE ONLY  
AND IS SUBJECT TO CHANGE WITHOUT NOTICE**

# FIBERGLASS TANK - LIST PRICE SCHEDULE

	SIZE	OPENING	CARTON	LIST PRICE
7"	7x24	2.5"	24	\$72.61
	7x30	2.5"	24	\$72.61
	7x35	2.5"	24	\$76.47
	7x44	2.5"	24	\$76.47

	SIZE	OPENING	CARTON	LIST PRICE
8"	8x18	2.5"	28	\$71.66
	8x24	2.5"	32	\$89.95
	8x30	2.5"	18	\$89.95
	8x35	2.5"	18	\$89.95
	8x40	2.5"	18	\$90.36
	8x44	2.5"	18	\$90.36

	SIZE	OPENING	CARTON	LIST PRICE
9"	9x18	2.5"	28	\$82.04
	9x35	2.5"	18	\$99.74
	9x40	2.5"	14	\$114.20
	* 9x42	2.5"	16	\$127.97
	9x48	2.5"	16	\$114.20

	SIZE	OPENING	CARTON	LIST PRICE
10"	10x18	2.5"	48	\$110.90
	10x22	2.5"	32	\$110.90
	10x24	2.5"	32	\$110.90
	10x30	2.5"	12	\$110.90
	10x35	2.5"	12	\$110.90
	10x40	2.5"	12	\$113.95
	10x44	2.5"	12	\$120.99
	10x47	2.5"	14	\$131.36
	10x54	2.5"	16	\$131.36
	10x60	2.5"	1	\$167.12
	10x65	2.5"	1	\$167.12

	SIZE	OPENING	CARTON	LIST PRICE
12"	12x29	2.5"	9	\$149.60
	12x29	4.0"	9	\$151.09
	12x36	2.5"	9	\$152.68
	12x36	4.0"	9	\$154.19
	* 12x36	4.5" Buttress	9	\$251.82
	* 12x42	2.5"	9	\$157.33
	12x42	4.0"	9	\$158.90
	* 12x42	4.5" Buttress	9	\$259.53
	12x44	2.5"	9	\$162.19
	12x44	4.0"	9	\$163.82
	12x48	2.5"	9	\$167.67
	12x48	4.0"	9	\$169.35
	12x52	2.5"	9	\$174.57
	12x52	4.0"	9	\$176.31
	* 12x52	4.5" Buttress	9	\$289.63

	SIZE	OPENING	CARTON	LIST PRICE
13"	13X30	2.5"	12	\$166.31
	13X35	2.5"	12	\$166.31
	13X44	2.5"	9	\$182.75
	13X48	2.5"	9	\$182.75
	13X54	2.5"	9	\$200.00
	13X60	2.5"	1	\$259.40
	13X65	2.5"	1	\$259.40

BAND INCLUDED				
	SIZE	OPENING	CARTON	LIST PRICE
14"	14x30	2.5"	10	\$270.56
	14x30	4.0"	10	\$273.29
	* 14x47	4.5" Buttress	8	\$303.92
	14x54	2.5"	8	\$270.56
	14x54	4.0"	8	\$273.29
	14x65	2.5"	1	\$313.72
	14x65	4.0"	1	\$316.89
	* 14x65	4.5" Buttress	1	\$406.01*
	14x72	2.5"	1	\$363.02
	14x72	4.0"	1	\$366.69

	SIZE	OPENING	CARTON	LIST PRICE
16"	16x23	2.5"	1	\$287.45
	16x23	4.0"	1	\$290.36
	16x28	2.5"	1	\$287.45
	16x28	4.0"	1	\$290.36
	16x36	2.5"	1	\$330.83
	16x44	4.0"	1	\$333.72
	16x44	2.5"	1	\$338.83
	16x36	4.0"	1	\$333.72
	16x53	2.5"	1	\$351.10
	16x53	4.0"	1	\$354.65
	16x65	2.5"	1	\$351.10
	16x65	4.0"	1	\$354.65

COMMERCIAL TANKS				
	SIZE	OPENING	CARTON	LIST PRICE
	21x62	4.0" Stainless Steel	1	\$780.13
	24x72	4.0" Stainless Steel	1	\$1,198.09

## OPTIONS

BOTTOM OPENING OPTIONS			
	SIZE	OPENING	LIST PRICE
	7 - 10" Diameter	2.5" NPSM	\$32.45
	12" Diameter	2.5" or 4.0" NPSM	\$56.81
	13" Diameter	2.5" NPSM	\$70.98
	14" Diameter	2.5" or 4.0" NPSM	\$86.47
	16" Diameter	2.5" or 4.0" NPSM	\$122.95

- Side openings not available

BASE EXTENSION		
TANK DIAMETER		LIST PRICE
7" Extended		\$21.88
8" Extended		\$24.86
9" Extended		\$29.01
10" Extended		\$58.56
12" Extended		\$75.64
13" Extended		\$91.15
14" Extended		\$100.46
16" Extended		\$121.06

DOME HOLE OPTIONS		
SIZE	OPENING	LIST PRICE
10" Diameter	1 1/4" w/Closure	\$71.37
12-13" Diameter	1 1/4" w/Closure	\$85.53

BUMPER BAND OPTIONS	
SIZE	LIST PRICE
7" - 14" Diameter	\$10.60

SINGLE CARTON COST ADDED FOR LESS THAN BULK PACK QUANTITIES	
SIZE	LIST PRICE
7" -14" Diameter	\$15.87

\* PRICE INCLUDES BUMPER BAND

CONTACT YOUR RESINTECH REPRESENTATIVE FOR YOUR DISCOUNT MULTIPLIER.

WARRANTY: FIVE YEAR LIMITED WARRANTY FOR NON-PERMANENT APPLICATIONS

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