

The SpringTech™ Series

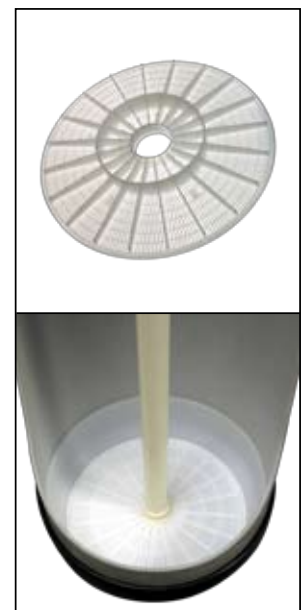
Global Water Solutions now introduces the SpringTech™ series, a series of exclusive quality composite vessels for water treatment systems featuring the revolutionary Vortech™ technology which ensures purest water quality. The patented Vortech™ is the world's newest, innovative and most efficient bottom distribution system. Cleaning is greatly improved, freeboard is reduced, and it works with all softening and filtrating medias. The SpringTech™ series with the unique Vortech™ technology provides a cleaner and more efficient system. Advanced computerized manufacturing processes and finest materials used make the SpringTech™ series composite vessels for water treatment systems stronger and superior to the competitor's vessels.



Features

- Flexibility in picking sizes and components
- Vortech™ bottom distribution system for a cleaner and more efficient system with less backwash
 - Additional Mid-Vortech™ option as a mid plate distributor eliminates the need of a second media tank
- Unique 3-piece-design allows access to inside of tank during construction
 - No leakage (special injection process and mechanical welding of the glass-filled threaded inlet to the dome eliminate leaking)
 - Superior impact resistance, consistent and strong quality
 - Superior elasticity of co-polymer polypropylene used allows for controlled "breathing" without stressing the material
- CE, NSF, ACS, approved
- Comprehensive testing

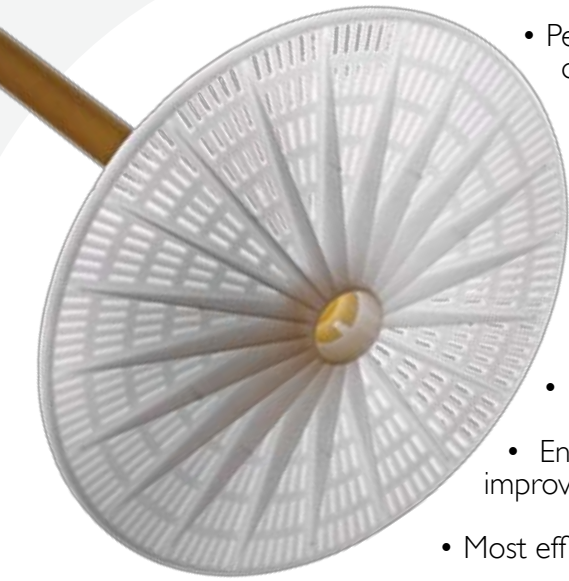
Vortech™



Vortech™ - The Revolutionary New Distribution Technology

Features & Benefits

- Up to 30% less backwash flow rate is required, conserving water for the consumer
- High flow design maximizes today's high efficiency valve technology
- Permanent attachment of dip tube to distributor, so when servicing a valve, distributor stays in place, no more re-bedding
- Elimination of gravel, saves net costs and unit weight for shipping
- Improved system pressure drop characteristics
- Self-cleaning nozzle design eliminates potential clogging and build-up
- Increase in softening capacity, due to improved flow through media
- No channeling of media, providing a cleaner more efficient system
- Environmentally friendly, reduction in required backwash times due to improved bed lift and mixing at lower flow rates
- Most efficient softening regeneration, reducing salt consumption

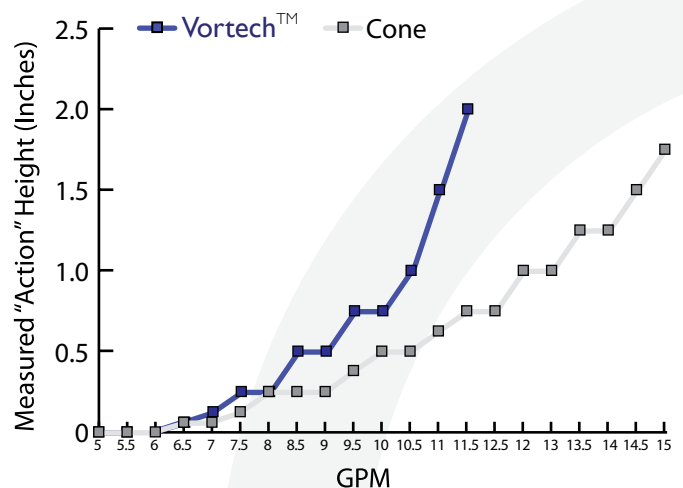
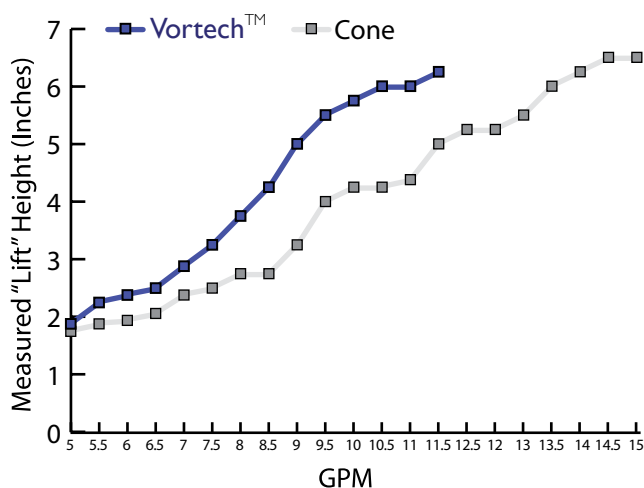


Third Party Validation*

	Capacity Test @ 4.5 lbs of salt**	Gallons to drain**	Pressures / Delta P**	Backwash time***	Pressure drop***
Cone & gravel	3472 grains	53.7	13.4 gpm @ 15psig Delta P	14 minutes	25 psi
Vortech™	4186 grains	31	@15psig Delta P, Flow rate 17.8 gpm	8 minutes	10 psi
Improvement	Increase of 21%	Decrease of 42%	Increase of 33% in flow rate	Saving up to 150 gal water/cycle	Decrease of 60%

*Detailed test results available upon request **ST1040 ***ST1665

Backwash Comparison (Vortech™ vs. Cone)



Carbon 13" Diameter, Temperature 42°F, Quantity of Media 2.5 cu. ft, Weight of Underbedding – Cone 45 lbs

Model #'s	Dimensions				Weight per Tank		Pieces per Box	Shipping Volume per Box		Shipping Weight per Box	
	Diameter		Height		kgs	lbs		cu. M	cu.Ft	kgs	lbs
	cm	inches	cm	inches							
ST724	17.8	7	61.0	24	2.7	6.0	24	1.26	44.67	97.1	214
ST735			88.9	35	3.2	7.0	24	1.17	41.47	108.0	238
ST744			111.8	44	3.6	8.0	24	1.26	44.67	118.8	262
ST818	20.3	8	45.7	18	1.8	4.0	28	1.17	41.47	82.6	182
ST824			61.0	24	2.2	4.8	32	1.17	41.47	100.7	222
ST830			76.2	30	2.4	5.3	18	1.26	44.67	74.6	165
ST835			88.9	35	2.7	6.0	18	1.17	41.47	80.7	178
ST840			101.6	40	3.1	6.8	18	1.26	44.67	86.9	192
ST844			111.8	44	3.3	7.3	18	1.26	44.67	90.9	201
ST918	22.9	9	45.7	18	2.4	5.2	28	1.17	41.47	97.8	216
ST935			88.9	35	4.2	9.3	18	1.17	41.47	107.7	237
ST940			101.6	40	5.4	12.0	14	1.26	44.67	108.0	238
ST942			106.7	42	5.4	12.0	16	1.48	52.14	118.8	262
ST948			121.9	48	6.4	14.0	16	1.48	52.14	133.4	294
ST1018**	25.4	10	45.7	18	4.3	9.5	48	1.73	61.05	238.6	526
ST1022**			55.9	22	4.5	10.0	32	1.17	41.47	176.9	390
ST1024**			61.0	24	5.0	11.0	32	1.48	52.14	191.4	422
ST1030**			76.2	30	5.7	12.5	12	1.17	41.47	99.8	220
ST1035**			88.9	35	6.4	14.0	12	1.17	41.47	108.0	238
ST1040**			101.6	40	6.8	15.0	12	1.26	44.67	113.4	250
ST1044**			111.8	44	7.1	15.8	12	1.26	44.67	117.5	259
ST1047**			119.4	47	7.4	16.3	14	1.48	52.14	134.9	298
ST1054**			137.2	54	7.9	17.5	16	1.73	61.05	158.8	350
ST1060**			152.4	60	8.5	18.8	1	0.12	4.41	40.3	89
ST1065**			165.1	65	9.1	20.0	1	0.13	4.76	40.8	90
ST1229	30.5	12	73.7	29	5.4	12.0	9	1.17	41.47	80.7	178
ST1236			91.4	36	6.1	13.5	9	1.26	44.67	86.9	192
ST1242			106.7	42	6.8	15.0	9	1.26	44.67	93.0	205
ST1244			111.8	44	7.1	15.8	9	1.26	44.67	96.0	212
ST1248			121.9	48	7.6	16.8	9	1.48	52.14	100.1	221
ST1252			132.1	52	8.6	19.0	9	1.73	61.05	109.3	241
ST1330**	33.0	13	76.2	30	7.3	16.0	12	1.17	41.47	118.8	262
ST1335**			88.9	35	7.7	17.0	12	1.17	41.47	124.3	274
ST1348**			121.9	48	8.6	19.0	9	1.48	52.14	109.3	241
ST1354**			137.2	54	9.5	21.0	9	1.73	61.05	117.5	259
ST1360**			152.4	60	10.4	23.0	1	0.20	7.02	42.2	93
ST1365**			165.1	65	11.3	25.0	1	0.21	7.48	43.1	95
ST1430*	35.6	14	76.2	30	7.7	17.0	10	1.17	41.47	108.9	240
ST1454*			137.2	54	13.2	29.0	8	1.73	61.05	137.0	302
ST1465*			165.1	65	15.9	35.0	1	0.25	8.71	47.6	105
ST1472*			182.9	72	17.7	39.0	1	0.25	8.71	49.4	109
ST1623*	40.6	16	58.4	23	8.2	18.0	1	0.12	4.18	39.9	88
ST1636*			91.4	36	12.7	28.0	1	0.18	6.35	44.5	98
ST1653*			134.6	53	18.6	41.0	1	0.26	9.19	50.3	111
ST1665*			165.1	65	22.7	50.0	1	0.35	12.36	54.4	120

Maximum operating pressure: 10 bar / 150 psi

Maximum operating temperature: 50°C / 120°F

Top Opening Connection: 2,5" NPSM

Dome hole option available for 10", 12" and 13" diameter vessels

*Also available in 4" UN connection

**Mid-Vortech™ mid plate distributor available for 10" and 13" diameter vessels

All tanks come with Vortech™ bottom distributor plate

Vessel Material Specifications

Co-Polymer Polypropylene Inner Shell Material

Superior elasticity allows for controlled "breathing" without stressing the material

Superior impact resistance and superior performance in hot and cold environments

Extruded side wall produces consistent wall thickness over the entire length of the part eliminating potential thin spots or stress points

Vortech™ bottom distribution system for a cleaner and more efficient system



High temperature/high pressure injection molding allows the glass-filled threaded inlet to be mechanically welded to the dome eliminating potential leak paths

Premium Fiberglass/Epoxy Winding (computer controlled)

Epoxy laminate is oven cured for superior environmental performance

Injection Molded Base

Injection molded from impact/temperature resistant polypropylene

Additional Features Available Upon Request

Mid-Vortech™ Option available for 10" and 13" Vessels



Exclusive internal mid plate distributor Mid-Vortech™ eliminates the need for a second media tank and valve by creating physical separation of medias within a single tank.

Reduces plumbing and packaging requirements and saves water, salt and the environment!

DI Exchange Vessels and Accessories



DI Exchange Heads



Extended Bases



EUROPE, MIDDLE EAST, AFRICA
9a Parc d'Activité Syrdall
L-5365 Munsbach
Luxembourg
Tel: +352 263 507 73 15
EFax: +1 781 658 2511

ASIA
No. 553, Jhongshan Road
Cingshuei, Taichung County
Taiwan, 43643
Tel: +886 4 2622 3030
EFax: +1 781 658 2511

NORTH AMERICA
P.O. Box #782
300 Pond Street
Randolph, MA 02368 U.S.A.
Tel: +1 781 607 2607
EFax: +1 781 658 2511

LATIN AMERICA
P.O. Box 2107-2050
San Pedro,
Costa Rica
Tel: +506 2253 8405
EFax: +1 781 658 2511

REGISTERED OFFICE
Templar House
Don Road
St. Helier - JE1 2TR
Jersey
The Channel Islands



E-mail: info@globalwatersolutions.com

www.globalwatersolutions.com



ACS
Approved

