

## Pre-engineered Water Treatment Solutions

### APPLICATIONS

- Ideal for upgrades
- When lower regeneration waste is desired
- For longer production cycle applications
- When space is limited
- When chemical consumption is a concern
- For improved quality of treated water

### FEATURES

- Simple design
- Inexpensive
- Greater efficiency
- Optimized vessel volume utilization
- Longer resin life

# WATERTRAK

## Ion Exchange



### General Information and Highlights

Aquatech's Ion exchange process uses Packed Bed Design. When the water enters the bed during the service cycle, it progressively comes into contact with more highly regenerated resin, which ensures production of a high quality demineralized water, minimizes chances of ionic leakage and maximizes resin bed operating capacity. Regeneration can be performed faster and more efficiently, with reduced chemical consumption, less rinse water, reduced waste disposal requirements, and lower overall expense.

Performance Products by



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# Strong Acid Cation Ion Exchange

## Strong Acid Cation Ion Exchange Matrix

Model	Dia	Straight Shell - 072", 084" 096", 108", 120", 132" available heights fill in xxx	Flow Range (Minimum - Maximum)	Compaction Flow rate	Inert Resin Ht	Resin Height (H+)	Inert Resin Vol.	Straight Shell height 6', 7', 8', 9', 10', 11' Resin Vol. (H+ Form)	Pipe Size Pattern	Available Piping Material	Shipping weight	Dimensions given for the largest straight shell (Inches)				
												FT	FT	gpm	gpm	FT
<b>CARBON STEEL VESSEL</b>																
ESAC-36xxx-23S	3.0	xxx	23 - 95	94	0.49	xxx - 8"	3.3	36, 43, 50, 56, 63, 70	23	SS316/DIPPL	3105	231	92	102		
ESAC-42xxx-23S	3.5	xxx	59 - 95	138	0.66	xxx - 10"	6.1	48, 57, 66, 75, 85, 94	23	SS316/DIPPL	3462	234	92	102		
ESAC-42xxx-33S	3.5	xxx	59 - 147	138	0.66	xxx - 10"	6.1	48, 57, 66, 75, 85, 94	33	SS316/DIPPL	3536	234	92	102		
ESAC-48xxx-23S	4.0	xxx	77 - 95	181	0.66	xxx - 10"	8.0	63, 75, 87, 99, 111, 123	23	SS316/DIPPL	3831	237	92	104		
ESAC-48xxx-33S	4.0	xxx	77 - 193	181	0.66	xxx - 10"	8.0	63, 75, 87, 99, 111, 123	33	SS316/DIPPL	3921	237	92	104		
ESAC-54xxx-33S	4.5	xxx	98 - 216	230	0.66	xxx - 10"	10.1	80, 95, 110, 126, 141, 156	33	SS316/DIPPL	4279	240	92	107		
ESAC-54xxx-43S	4.5	xxx	98 - 245	230	0.66	xxx - 10"	10.1	80, 95, 110, 126, 141, 156	43	SS316/DIPPL	4345	242	93	109		
ESAC-60xxx-34S	5.0	xxx	122 - 216	285	0.66	xxx - 10"	12.5	99, 118, 137, 156, 175, 194	34	SS316/DIPPL	4662	244	103	121		
ESAC-60xxx-44S	5.0	xxx	122 - 304	285	0.66	xxx - 10"	12.5	99, 118, 137, 156, 175, 194	44	SS316/DIPPL	4805	244	104	121		
ESAC-66xxx-34S	5.5	xxx	148 - 216	346	0.66	xxx - 10"	15.2	120, 143, 166, 189, 212, 235	34	SS316/DIPPL	5030	247	3	124		
ESAC-66xxx-44S	5.5	xxx	148 - 369	346	0.66	xxx - 10"	15.2	120, 143, 166, 189, 212, 235	44	SS316/DIPPL	5168	247	104	124		
ESAC-72xxx-34S	6.0	xxx	176 - 216	413	0.66	xxx - 10"	18.1	143, 170, 198, 225, 253, 280	34	SS316/DIPPL	5399	238	103	127		
ESAC-72xxx-46S	6.0	xxx	176 - 385	413	0.66	xxx - 10"	18.1	143, 170, 198, 225, 253, 280	46	SS316/DIPPL	5553	256	108	134		
ESAC-72xxx-66S	6.0	xxx	176 - 440	413	0.66	xxx - 10"	18.1	143, 170, 198, 225, 253, 280	66	SS316/DIPPL	5616	256	110	132		
ESAC-78xxx-46S	6.5	xxx	207 - 385	485	0.66	xxx - 10"	21.3	168, 200, 232, 265, 297, 329	46	SS316/DIPPL	5905	259	108	137		
ESAC-78xxx-66S	6.5	xxx	207 - 517	485	0.66	xxx - 10"	21.3	168, 200, 232, 265, 297, 329	66	SS316/DIPPL	5968	259	110	135		
ESAC-84xxx-36S	7.0	xxx	241 - 216	564	0.66	xxx - 10"	24.7	195, 232, 270, 308, 345, 383	36	SS316/DIPPL	6146	262	107	140		
ESAC-84xxx-46S	7.0	xxx	241 - 385	564	0.66	xxx - 10"	24.7	195, 232, 270, 308, 345, 383	46	SS316/DIPPL	6257	262	108	140		
ESAC-84xxx-66S	7.0	xxx	241 - 601	564	0.66	xxx - 10"	24.7	195, 232, 270, 308, 345, 383	66	SS316/DIPPL	6320	262	110	138		
ESAC-90xxx-46S	7.5	xxx	277 - 385	648	0.66	xxx - 10"	28.4	224, 267, 310, 354, 397, 440	46	SS316/DIPPL	6610	265	108	143		
ESAC-90xxx-66S	7.5	xxx	277 - 691	648	0.66	xxx - 10"	28.4	224, 267, 310, 354, 397, 440	66	SS316/DIPPL	6672	265	110	141		
ESAC-96xxx-46S	8.0	xxx	316 - 385	739	0.66	xxx - 10"	32.3	255, 304, 354, 403, 452, 501	46	SS316/DIPPL	6962	268	108	146		
ESAC-96xxx-66S	8.0	xxx	316 - 787	739	0.66	xxx - 10"	32.3	255, 304, 354, 403, 452, 501	66	SS316/DIPPL	7024	268	110	144		
ESAC-102xxx-46S	8.5	xxx	357 - 385	835	0.66	xxx - 10"	36.6	288, 344, 400, 455, 511, 566	46	SS316/DIPPL	7314	280	108	150		
ESAC-102xxx-66S	8.5	xxx	357 - 866	835	0.66	xxx - 10"	36.6	288, 344, 400, 455, 511, 566	66	SS316/DIPPL	7377	280	110	148		