

									
Model	Unit	VC-50	VC-75	VC-100	VC-140	VC-200	VC-280	VC-350	VC-600
Number of Vessels	#	1	1	1	1	2	2	1	1
Capacity	Gpm	50	75	100	140	200	280	350	600
	m3/h	11.5	17.2	23	32.2	46	64.4	80.5	138
Min Flow Rate	Gpm	22	33	50	70	100	140	140	240
	m3/h	5.1	7.6	11.5	16.1	23	32.2	32.2	55.2
Backwash Flow Rate	Gpm	22	35	50	70	50	70	75	150
	m3/h	5.1	8.1	11.5	16.1	11.5	16.1	17.2	34.5
Vessel Dimensions (D x H)	in	20 x 53	24 x 55	30 x 63	36 x 68	30 x 63	36 x 68	36 D x 61 L	36 D x 101 L
	mm	508 x 1346	609 x 1397	762 x 1600	914 x 1727	762 x 1600	914 x 1727	914 D x 1549 H	914 D x 2565 H
Dimensions (L x W x H)	in	36 x 49.5 x 71	36 x 52.2 x 71	36 x 58.4 x 71	36 x 77.5 x 77.5	64 x 65 x 72.5	65 x 65 x 72.5	57.2 x 99.4 x 66.8	73 x 101 x 66.8
	mm	914x1257x1803	914x1325x1803	914x1484x1803	914x1969x1969	1626x1651x1841	1651x1651x1841	1453x2525x1697	1854x2565x1697
Operating Weight	lbs	1404	1796	3019	4362	5846	8491	4815	8458
	Kgs	631.8	808.2	1358.55	1962.9	2630.7	3820.95	2166.75	3806.1
Shipping/ Dry weight	lbs	1154	1462	2435	3320	4678	6407	3339	5918
	Kgs	519.3	657.9	1095.75	1494	2105.1	2883.15	1502.55	2663.1
Pump Motor Output	Hp	1.5	2	3	3	5	7.5	7.5	15
	KW	1.1	1.5	2.2	2.2	3.7	5.6	5.6	11.1
FLA	Amps	3	3.4	4.8	4.8	7.6	11	11	21
Mechanical									
Vessel Pressure Rating	Psi	175	150	150	125	150	125	145	145
	Bar	12	10.2	10.2	8.5	10.2	8.5	10	10
Vessels	Stainless Steel 304 stamped ASME Sec. VIII, Div. 1 - National Board Registered							Carbon Steel stamped with ASME Sec. VIII, Div. 1 - National Board Registered	
Vessel Coating	N/A							Interior Finish: Powder Coat Exterior Finish: Polyester Coat	
Pump Inlet Pressure	Psi	10 min - 70 max							
	Bar	0.7 min – 4.7 max							
Backwash Inlet Pressure	Psi	30 min - 100 max							
	Bar	2 min – 6.8 max							
Face Piping	Stainless Steel SS304 *								
System Temperature Rating	° F	35 min - 200 max							
	° C	1.67 min - 93.3 max							
Valves	Automatic valves with motorized electrical actuators (NEMA 4)								
Skid Material	Carbon steel with urethane coating								
Connections Sizes									
	Unit	VC-50	VC-75	VC-100	VC-140	VC-200	VC-280	VC-350	VC-600
Raw Water Inlet	in	1.25	1.5	1.5	2	2.5	4	4	4
	mm	31.7	38.1	38.1	50.8	63.5	101.6	101.6	101.6
Filtered Water Outlet	in	1.5	2	2	3	3	4	4	6
	mm	38.1	50.8	50.8	76.2	76.2	101.6	101.6	152.4
Backwash Inlet	in	1.5	1.5	1.5	2	1.5	2	3	4
	mm	38.1	38.1	38.1	50.8	38.1	50.8	76.2	101.6
Backwash Outlet	in	1.5	1.5	1.5	2	1.5	2	2	3
	mm	38.1	38.1	38.1	50.8	38.1	50.8	50.8	76.2
Electrical									
Control Panel	Siemens S7/1200 PLC with Siemens HMI 4"/101 mm (Separate Power and Control Panels)								
Pump Motor Class	TEPE (Totally Enclosed Fan-Cooled, Premium Efficiency)								
Feed Voltage	460 VAC, 3 phase, 60 Hz								
Dry Contacts	Alarm Status / Backwash Status (Run Status Optional)								
Controls Integration (Optional)	BACnet, Modbus® TCP/IP, Modbus® RTU								

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* Suitable for outdoor installation.

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