

# CIV Product Specifications



## Commercial Reverse Osmosis Water System

Specifications	CIV 2000	CIV 4000	CIV 6000	CIV 8000
Membrane type	TFM	TFM	TFM	TFM
Capacity	2000 GPD (7.6m3/d)	4000 GPD (15.1 m3/d)	6000 GPD (22.7 m3/d)	8000 GPD (30.2 m3/d)
No. of membranes	1	2	3	4
Max. Operating Pressure	200 psi (13.6 bar)	200 psi (13.6 bar))	200 psi (13.6 bar)	200 psi (13.6 bar)
Typical TDS rejection	>98%	>98%	>98%	>98%
Max. Feed Temp	122F (50 C)	122 F (50 C)	122 F (50 C)	122 F (50 C)
Feed pH	4-11	4-11	4-11	4 –11
Feed Chlorination	<.01 ppm	<.01 ppm	<.01 ppm	<.01 ppm
Electrical				
110V/50 Hz	16 A	20 A	NA	NA
220V/50/60Hz 1 ph	8.0 A	10 A	NA	NA
220V/50/60Hz 3 ph	3.60 A	5.6 A	6.8 A	9.6 A
380V/50Hz 3 ph	2.2 A	3.2 A	4.3 A	6.1 A
480V/50/60Hz 3 ph	1.8 A	2.5 A	3.4 A	4.8 A
Motor Rating	1 HP-1.5HP	1.5 HP-2.5 HP	3 HP	5 HP
Min. Conc. Flow	3 gpm (.68m3/h)	3 gpm (.68m3/h)	3 gpm (.68m3/h)	6 gpm (1.36m3/h)
Maximum Feed TDS	5000 ppm**	5000 ppm	5000 ppm	5000 ppm
Pump Type	Brass Positive Displacement	SS Positive Displacement	SS Multi Stage centrifugal	SS Multi Stage centrifugal
Systems Dimensions	22" x 20"x 60" 60 cm x 51 cmx 152 cm	22" x 20"x 60" 60 cm x 51 cmx 152 cm	22" x 20"x 60" 60 cm x 51 cmx 152 cm	22" x 20"x 60" 60 cm x 51 cmx 152 cm
Weight lbs. (kg)	275 lbs ( 125)	295 lbs (134)	345 lbs (157)	370 lbs (168)

*\*Production rate and rejection are based on membrane performance after 24 hours at 150 psi (10.2 bar) operating pressure, 77 F (25 C) water temperature and 1500 ppm NaCl. Flow may vary +/- 15%. Potential membrane foulants such as Iron, Hydrogen Sulfide and Manganese must be removed from the feed stream prior to the system. Several Pre and Post Filtration options are available. \*\* When Stainless Steel pump is used. Other products are available to treat water with TDS levels that exceed 5000 ppm.*

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