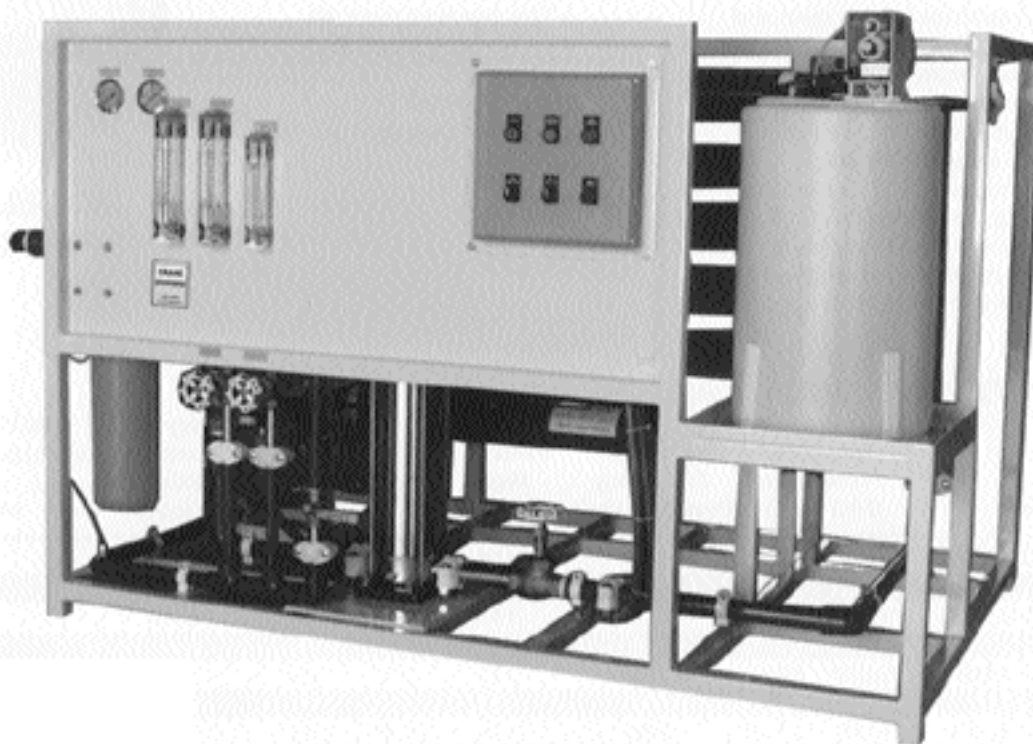


COMMERCIAL



These high quality units are designed to reduce Total Dissolved Solids (TDS) from your water supply. They are typically used to remove Sodium, Lead, Arsenic, Nitrates, Chlorides and some Radioactive contaminants. This proven technology, which has been used for industry since the 1940's is now available in this greatly simplified design. In the reverse osmosis process, the water is fed into membranes, where it is split into two streams - Product (treated water for service) and Concentrate (waste brine water to drain). The United States E.P.A. has set the maximum recommended level for TDS at 500 mg/l, so these units are ideally sized for residential whole house systems, restaurants, schools, hospitals, bottled water plants, ice plants and car washes (to eliminate spotting after final rinse).

<b>RAW WATER CONDITIONS</b>								
Max. Iron, Manganese	Max. Hardness	Max. Sulfur	Max. TDS	Max. Turbidity	Max. Chlorine	Minimum Inlet PSI	Water Temp. °F	pH
0.5 PPM Total	10 grains	0.01 PPM	2000 PPM*	5 PPM	NONE Allowed	30 PSI	35° - 90°	5.0-11.0

\* Can be as high as 3,000 PPM, but membrane life may be reduced by as much as 50%. For TDS levels higher than 3,000 ppm, consult factory regarding brackish water and desalination style units.

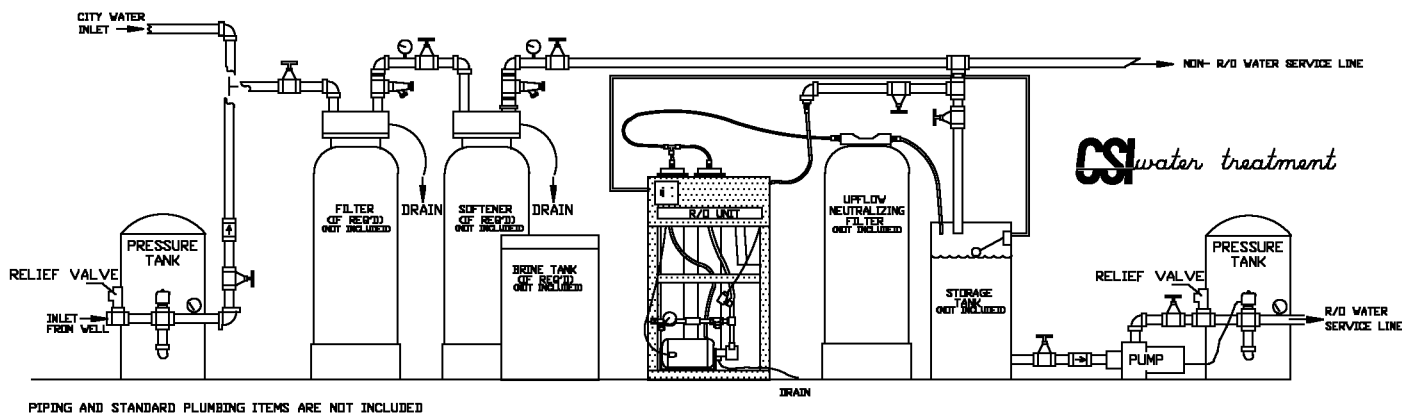
### Standard Equipment & Features

- Free Standing Frame
- High Volume TFC (Thin Film Composite) Membrane
- Operate at 200 - 220 PSI, with included Pump and Motor
- Concentrate control valve, concentrate pressure gauge, 5 micron pre-filter and inlet shut off solenoid standard on all models
- Permeate and concentrate flow meter optional on 150 - 1,500 GPD models Standard on 3,000 - 21,500 GPD models
- Optional TDS meter and low inlet pressure switch
- Optional membrane auto flush on 1,500 - 21,500 GPD models
- Optional Storage Tank and Alarm Panels available

Model #	1000 TDS Gal / Day @ Water °F				Inlet NPT-F	Outlet Treated	Drain Waste	Motor		Membrane		Dimensions H x W x L	Shp Wt Lbs
	77°	60°	50°	45°				HP	Volt	Size	Qty		
EPRO-150	150	117	102	93	1/2"	1/2"	1/2"	1/3	115*	2.5" x 14"	1	53" x 17" x 17"	67
EPRO-250	250	195	170	155	1/2"	1/2"	1/2"	1/3	115*	2.5" x 21"	1	53" x 17" x 17"	68
EPRO-600	600	468	408	372	1/2"	1/2"	1/2"	1/3	115*	2.5" x 40"	1	53" x 17" x 20"	70
EPRO-1200	1,200	936	816	744	1/2"	1/2"	1/2"	1/2"	115*	2.5" x 40"	2	53" x 17" x 24"	74
EPRO-1500	1,500	1,170	1,020	930	3/4"	1/2"	1/2"	1.0	230	4" x 40"	1	53" x 20" x 26"	111
EPRO-3000	3,000	2,340	2,040	1,860	3/4"	1/2"	1/2"	1.0	230	4" x 40"	2	53" x 20" x 26"	142
EPRO-4500	4,500	3,510	3,060	2,790	3/4"	1/2"	1/2"	1.5	230	4" x 40"	3	53" x 20" x 26"	173
EPRO-6000	6,000	4,680	4,080	3,720	3/4"	3/4"	3/4"	3.0	230	4" x 40"	4	53" x 20" x 26"	205
EPRO-8000	8,000	6,240	5,440	4,960	3/4"	3/4"	3/4"	3.0	230	4" x 40"	5	53" x 20" x 26"	235
EPRO-10000	10,000	7,800	6,800	6,200	1.5"	1"	1"	5.0	230/460**	4" x 40"	6	48" x 64" x 26"	660
EPRO-11500	11,500	8,970	7,820	7,130	1.5"	1"	1"	5.0	230/460**	4" x 40"	7	48" x 64" x 37"	700
EPRO-13000	13,000	10,140	8,840	8,060	1.5"	1"	1"	5.0	230/460**	4" x 40"	8	48" x 64" x 37"	730
EPRO-14500	14,500	11,310	9,860	8,990	1.5"	1"	1"	5.0	230/460**	4" x 40"	9	48" x 64" x 37"	775
EPRO-16000	16,000	12,480	10,880	9,920	1.5"	1"	1"	5.0	230/460**	4" x 40"	10	48" x 64" x 37"	830
EPRO-17500	17,500	13,650	11,900	10,850	1.5"	1"	1"	5.0	230/460**	4" x 40"	11	48" x 64" x 37"	880
EPRO-19000	19,000	14,820	12,920	11,780	1.5"	1"	1.5"	7.5	230/460**	4" x 40"	12	48" x 64" x 37"	950
EPRO-20500	20,500	15,990	13,940	12,710	1.5"	1"	1.5"	7.5	230/460**	4" x 40"	13	48" x 64" x 37"	990
EPRO-21500	21,500	16,770	14,620	13,330	1.5"	1"	1.5"	7.5	230/460**	4" x 40"	14	48" x 64" x 37"	1,050

\* Optional 230 VAC Available

TYPICAL COMMERCIAL R/O SYSTEM INSTALLATION



## Operating Data

- The Upflow Neutralizer Filter is required to reduce the natural corrosiveness of R/O water. All piping between R/O and neutralizer filter must be plastic. Periodic replenishment of the neutralizer media will be required.
- Average Rejection Rates - Salt, Sulfate 98%, Lead, Aluminum 97%, Nitrate 93%, Chloride 95%.
- These units operate at approximately 50% recovery rate (1 treated gallon for every 1 gallon down drain).
- R/O units produce water at a relatively low GPM, but operate for many hours day and night. The storage tank acts like a "Clear Well", with ample gallons stored to handle daily water usage.