

PEM WATER QUALITY SYSTEMS

REVERSE OSMOSIS, CARBON FILTER AND SOFTENER PACKAGE

PEM's Water Quality Systems include everything needed to efficiently produce high quality reverse osmosis water. Removing scaling components and oxidants using a water softener and carbon filter increases the lifespan and quality of water produced. These systems are pre-programmed based on the specific water quality of the site for maximum efficiency. Stand alone reverse osmosis units are also available.

Systems range from 2,400 to 9,600 gallons per day.



PRODUCTION INFORMATION & SPECIFICATIONS

- ClearFlo System Controller with digital display— TDS, temperature, system status and runtime
- Pre-programmed controller systems are programmed for each specific application
- Available with full pretreatment skid including properly sized and programmed water softener and carbon filter
- Automatic Membrane Flush increases lifespan of membranes
- Automatic System Restart in case of power failure
- Includes efficient high flow low energy membranes
- Safety shutoff and integrated carbon filter switch to ensure the system is protected from running without water
- Panel mounted gauges for easy control including permeate and concentrate flow meters, concentrate and recycle valves, inlet pressure, pump pressure and membrane pressure gauges

AVAILABLE REVERSE OSMOSIS SYSTEMS

Model	Production (GPD)	Recovery	Supply Flow Feed Water (GPM/LPM)	Permeate Flow Product (GPM/LPM)	Concentrate Flow Reject (GPM/LPM)	Membrane Qty	Inlet (FPT)	Permeate Outlet (MPT)	Concentrate Outlet (MPT)
DFS-2400	2,400	60%	2.8 / 10.7	1.7 / 6.4	1.1 / 4.2	1	3/4"	1/2"	1/2"
DFS-4800	4,800	70%	4.9 / 18.4	3.4 / 12.9	1.5 / 5.7	2			
DFS-7200	7,200	75%	6.8 / 25.7	5.1 / 19.3	1.7 / 6.4	3	3/4"	1"	1/2"
DFS-9600	9,600	75%	9.0 / 34.1	6.8 / 25.7	2.2 / 8.3	4	1"	1"	1/2"

AVAILABLE WATER SOFTENER SYSTEMS

Model	Capacity & Salt per Regeneration				Flow Rate (GPM)			Softener Tank(s)		Brine Tank		Plumbing	
	Maximum		Minimum		Cont	Peak	Backwash	Dimen	Resin	Dimen	Capacity	Service	Drain
	Capacity	Salt/Regen	Capacity	Salt/Regen	@15 PSI Drop	@25 PSI Drop	GPM	Dia x Ht	Cu Ft	Dia x Ht	Lbs	Inches	Inches
DCS7-60-100	60,000	30 lbs	50,000	20 lbs	16	24	3.2	12 x 52	2	18 x 40	400	1	1/2 or 3/4
DCS7-90-100	90,000	45 lbs	75,000	30 lbs	18	28	5.3	14 x 65	3	24 x 50	900	1	1/2 or 3/4