

Professional Grade Reverse Osmosis System

NuStream's affordable line of RO's are designed with the end user in mind. All the features you need with a small footprint makes this the perfect system for your industrial application.

A Standard Design with Maximum Versatility

- Expandable configurations
- Options for single or dual pass

Conserves Water

- Adjustable product / reject recovery rates sends less water down the drain

Rust Free Design

- Power coated aluminum frame keeps the system looking like new year after year

Standard Controller Offers All the Features You Need

- Automatic membrane feed flush on start and stop
- Optional divert for poor quality water
- Alarms include:
 - High conductivity
 - Low feed pressure
 - Tank low alarm
- Tank full start / start
- Readout for water temperature and hours of operation

Variable 3 Phase Voltages to Fit Your Needs

- 208V / 230V
- 440V / 480V
- 575V

Optional Facilities Management Communication

- Communicates conductivity, system status, alarms, operation hours and temperature to the building control system

Optional Pretreatment Injection Configurations:

- Prewired and pre-plumbed for easy integration for chemical pretreatment package:
 - Chlorine destruct
 - Anti-scalant
 - Clean-in-Place optional

Sample Ports at Each Membrane

- Allows for profiling of each individual membrane



Compact design takes up little floor space yet produces up to 10,000 gallons per day.

**Series
PG 24-44**

Series PG Specifications

5,000 - 10,000 Gallons Per Day

Flow Schematic

Dimensions

Temperature Correction Flow Rate

MODEL	77° F 55° C	62° F 17° C	50° F 10° C
PG 24	3.4 GPM 5,000 GPD	2.7 GPM 3,950 GPD	2.1 GPM 3,150 GPD
PG 34	5.2 GPM 7,500 GPD	4.1 GPM 5,925 GPD	3.2 GPM 4,725 GPD
PG 44	6.9 GPM 10,000 GPD	5.4 GPM 7,900 GPD	4.3 GPM 6,300 GPD

MODEL	PG 24	PG 34	PG 44
PERFORMANCE			
Nominal Rejection	99%	99%	99%
Production / GPD*	5,000	7,500	10,000
Product Flow / GPM*	3.4	5.2	6.9
Recovery	50-75%	50-75%	50-75%
ELECTRICAL			
Three Phase	208-230V / 440-480V / 575V options		
Horsepower Amps	3.4 HP 208V=9.8 Amps 230V=8.9 Amps 480V=2.85 Amps 575V=3.5 Amps		
MEMBRANES			
Size	4" x 40"	4" x 40"	4" x 40"
Quantity	2	3	4
Membrane Array	1:1	1:1:1	1:1:1:1
Type	Thin Film Nanocomposite (TFN)		
Membrane Pressure Range (PSIG)	120-160		
FEED WATER REQUIREMENTS			
Chlorine Tolerance	< 0.1 Parts Per Million		
Temperature	Maximum 113° F / 45° C		
Operating pH Range	4-10		
Cleaning pH	2-12		
Pre-Filtration	5-Micron		
Max. Fouling Index (SDI)	< 5.0		
DIMENSIONAL DATA & WEIGHTS			
Connections	Inlet 1" FIP / Outlet 3/4" QC / Drain 3/4" QC		
Height x Width x Depth	68" H x 28" W x 30" D		

*Product flow rates vary with pressure and temperature. Models are rated at 77° F (25° C) with feed water of 1500 PPM NaCl solution @ 150 psi pressure. Permeate flow varies + or - 15%.

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