

Reverse Osmosis System

69,000 – 172,500 Gallons Per Day



1257 Stanley Ave, Dayton, OH 45404

An affordable line of RO systems designed with the end user in mind. All the features you need makes this the perfect system for your application.

Conserves Water

Adjustable recirculation / reject recovery rates send less water down the drain.

Maximum Versatility

Expandable configuration makes it easy to increase output without the need for purchasing as additional RO.

Options for single or dual pass configurations.

Sample ports at each membrane housing allows for individual profiling.

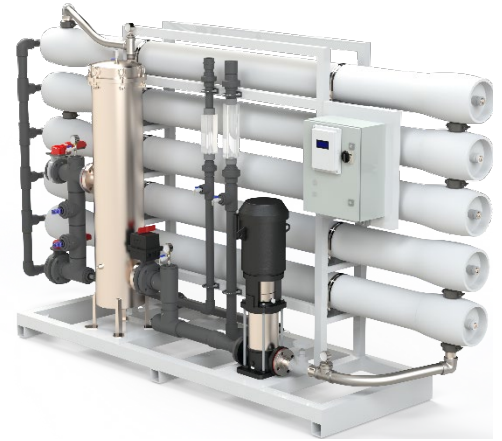
Rust Free Design

Powder coated aluminum frame keeps the system looking like new year after year. Free of brass, copper, and lead.

Variable 3 Phase Voltages to Fit Your Needs

208V / 220 – 240V / 440 – 480V

Multi-Functional Controller Offers All the Features You Need



Certified to assure top quality manufacturing and components

Automatic membrane feed flush on start and stop.

Optional divert to drain on poor quality water.

Dry contacts for tank level and pretreatment lockout.

Readouts for water temperature and hours of operation. Alarms for high conductivity and low feed pressure.

Conserves water while still providing high flow

NuStream's PGI series is built to last making high purity water for years.

Because we use stainless steel, powder coated aluminum frames and high-quality reinforced plastic, our RO systems won't rust.

Maintenance is minimal! Our energy saving polyamide fiberglass wrapped membranes will give you both high productivity and dissolved solids rejection.

All products are designed and manufactured in the USA with pride. We listen and we care.

And all that equals a very high-quality customer experience.

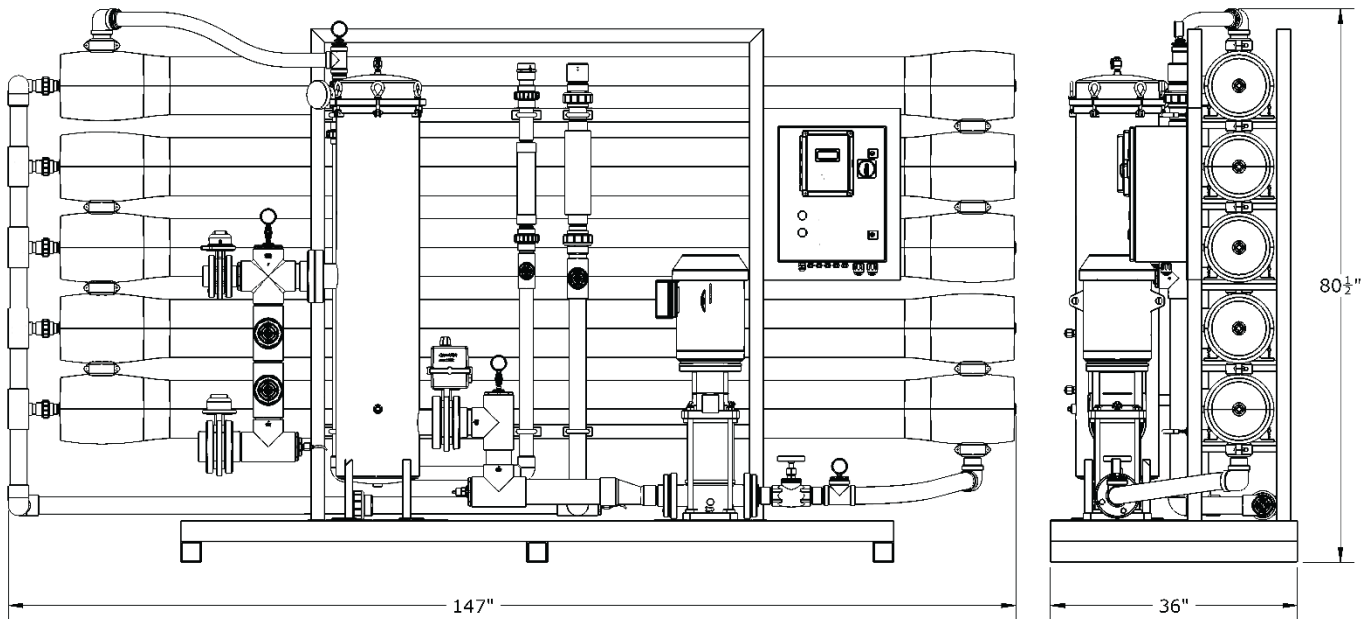
Optional Facilities Management Communication

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

Optional HMI and PLC Controllers

Optional Pretreatment Choices

Chemical Injection	Equipment
Pre-wired and pre-plumbed for NuStream's chlorine destruct, anti-scalant and membrane clean in place.	Full line of softeners, multi-media and backwashing carbons sized for your needs.



TEMPERATURE CORRECTION FLOW RATES

MODEL	77°F / 25°C	62°F / 17°C	50°F / 10°C
PGI-68	47 GPM	35 GPM	27 GPM
	69,000 GPD	51,957 GPD	39,951 GPD
PGI-88	63 GPM	47 GPM	36 GPM
	90,000 GPD	67,770 GPD	53,268 GPD
PGI-108	80 GPM	60 GPM	46 GPM
	115,000 GPD	86,595 GPD	66,585 GPD
PGI-128	96 GPM	74 GPM	55 GPM
	138,240 GPM	106,560 GPD	79,000 GPD
PGI-158	119 GPM	92 GPM	75 GPM
	172,500 GPD	132,480 GPD	108,000 GPD

ALSO AVAILABLE...

Reverse Osmosis

RO's ranging from 1,200 – 172,000 GPD
Larger custom systems per your spec.

Pretreatment

Softeners / Filters

Post Treatment

Filters / Electro-Deionizer
Ultra-Violet / Ozone

Accessories

Storage Tanks / Cartridges

MODEL	PGI 68	PGI 88	PGI 108	PGI 128	PGI 158
PERFORMANCE					
Nominal Rejection	99%				
Production (GPD)*	69,000	90,000	115,000	138,420	172,500
Product Flow (GPM)*	47	63	80	95	119
Recovery	50% - 75% Adjustable				
ELECTRICAL					
Three Phase	208V / 220 – 240V / 440–480V				
Horsepower / Amps	10 HP			15 HP	
	208V = 26.5 Amps			20 Amps	
	220 – 240V = 24.6 Amps			440 – 480V = 12.4 Amps	
MEMBRANES					
Size	8" x 40"				
Quantity	6	8	10	12	15
Type	Thin Film Nanocomposite				
Pressure Range (PSIG)	120 - 160				
FEED WATER REQUIREMENTS					
Chlorine Tolerance	< 0.1 PPM				
Temperature	Maximum 113°F (45°C)				
Operating pH Range	4 – 10				
Feed Flow GPM	94	126	160	192	238
Pre-Filtration	5 Microns				
Pressure Range (PSIG)	30 - 90				
Max. Fouling Index (SDI)	< 5.0				
CONNECTIONS, DIMENSIONS and WEIGHT					
Connections	Inlet	2" FPT		2.5" Flange	3" Flange
	Outlet	1.5" FPT		2" FPT	2" FPT
	Drain	1.5" FPT		1.5" FPT	1.5" FPT
Width, Depth, Height	109.25" x 36" x 80.5"			147" x 36" x 80.5"	
Weight (Approx) lbs	1552	1803	1952	2307	2648

*Based on production 77°F, 150 psi, 1500 µS NaCl and 6.5-7.0 pH.

Permeate flow for individual elements may vary ± 15%.