

Reverse Osmosis System

23,080 – 46,000 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 in a small footprint 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 allows for individual membrane 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



Intertek
5012025
Conforms to
UL Std. 979
Certified to
CSA Std.
C22.2#14

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.

Compact design takes up little floor space

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.

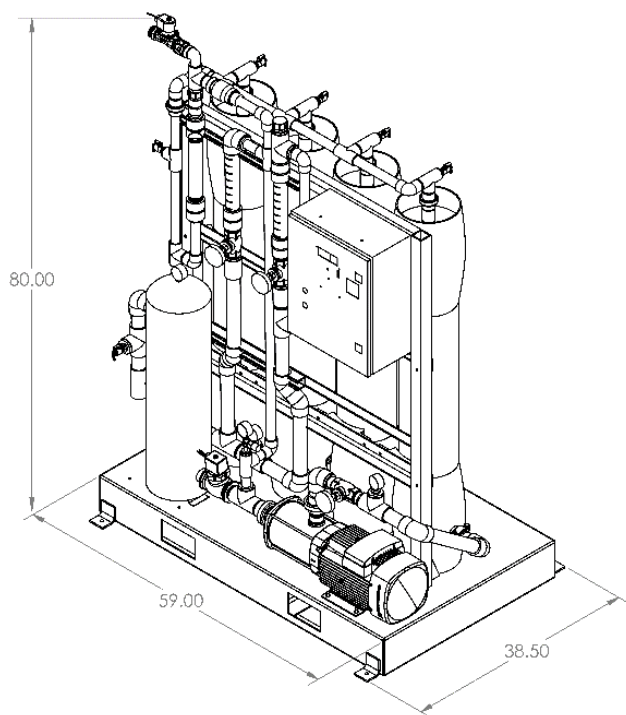
And all that equals a very high-quality customer
experience.

Optional Facilities Management Communication

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

Optional 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.



MODEL	PGI 28	PGI 38	PGI 48
PERFORMANCE			
Nominal Rejection	99%	99%	99%
Production (GPD)*	23,080	34,500	46,000
Product Flow (GPM)*	16	24	32
Recovery	50% - 75% Adjustable		
ELECTRICAL			
Three Phase	208V / 220-240V / 440-480V		
Horsepower / Amps	8 HP 208V = 21 Amps 220-240V = 20 Amps 440-480V = 10.2 Amps		
MEMBRANES			
Size	8" x 40"		
Quantity	2	3	4
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	32	48	64
Pre-Filtration	5 Microns		
Pressure Range (PSIG)	30 - 90		
Max. Fouling Index (SDI)	< 5.0		
CONNECTIONS, DIMENSIONS and WEIGHT			
Connections	In 1-1/2" / Out 1" QC / Drain 1" QC		
Width, Depth, Height	59" x 39" x 80"		
Operating Weight	Approx. 977 lbs		

*Based on production 77°F, 150 psi, 1500 µS NaCl and 6.5-7.0 pH.
Permeate flow for individual elements may vary ± 15%.

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

TEMPERATURE CORRECTION FLOW RATES

MODEL	77°F / 25°C	62°F / 17°C	50°F / 10°C
PGI-28	16 GPM 23,000 GPD	12 GPM 17,900 GPD	10 GPM 14,500 GPD
PGI-38	24 GPM 34,500 GPD	19 GPM 27,373 GPD	15 GPM 21,829 GPD
PGI-48	32 GPM 46,000 GPD	25 GPM 36,498 GPD	20 GPM 29,106 GPD