



Healthcare

Reverse Osmosis System

For High Purity Water Applications

An affordable line of RO systems designed in small footprint for high purity water applications

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.
- 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.

Multi-Functional Controller

- 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.

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.

1,800 – 7,200
Gallons Per Day



- Versatile and expandable
- Rust free design
- Minimal maintenance
- Takes little space
- Single phase
- Multi functional controller



Intertek
5012025

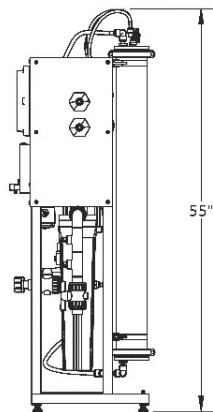
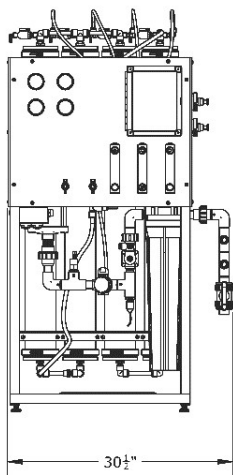
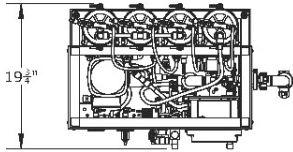
Conforms to
UL Std. 979

Certified to
CSA Std.
C22.2 #14

**CERTIFIED TO ASSURE TOP QUALITY
MANUFACTURING AND COMPONENTS**

Reverse Osmosis System

For High Purity Water Applications



MODEL	CGD 14	CGD 24	CGD 34	CGD 44
PERFORMANCE				
Nominal Rejection	99%			
Production (GPD)*	1,800	3,600	5,400	7,000
Product Flow (GPM)*	1.2	2.5	3.7	5
Recovery	50% - 75% Adjustable			
ELECTRICAL				
Single Phase	120V, 20 Amp Dedicated Receptable			
Horsepower / Amps	1.5 HP 14.67 Amps			
MEMBRANES				
Size	4" x 40"			
Quantity	1	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	2.5	5	7.5	10
Pre-Filtration	5 Microns			
Pressure Range (PSIG)	30 - 80			
Max. Fouling Index (SDI)	< 5.0			
CONNECTIONS, DIMENSIONS and WEIGHT				
Connections	In 3/4" FPT / Out 1/2" Tube / Drain 1/2" Tube			
Height, Width, Depth	55" x 31" x 20"			
Operating Weight	Approx. 195 lbs.			

*Based on production @ 77°F, 150psi, 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
CGD 14	1.2 GPM	.9 GPM	.8 GPM
	1,800 GPD	1,440 GPD	1,130 GPD
CGD 24	2.5 GPM	2 GPM	1.5 GPM
	3,600 GPD	2,800 GPD	2,268 GPD
CGD 34	3.7 GPM	3 GPM	2 GPM
	5,400 GPD	4,200 GPD	3,400 GPD
CDG 44	5 GPM	4 GPM	3 GPM
	7,200 GPD	5,544 GPD	4,536 GPD

About Apex

Apex is a trusted leader in water and process management, delivering integrated solutions of chemistry, equipment, automation and services to help various industries reduce costs, maximize efficiency, stay compliant, and optimize sustainability.

Contact us to learn more about how we can help simplify your operations to mitigate risks and ensure compliance.



1 (844) 603-4077

Info@teamapex.com

TeamApex.com