













WORKHORSE™ Professional Grade

LITHO Water REVERSE OSMOSIS SYSTEM for FOUNTAIN SOLUTION

FOR BETTER PRINTING

-  Eliminates pH and conductivity variables
-  Expandable configuration 1800-5400 GPD
-  Two dedicated 115 Volt 20 amp circuits required
-  Minimal floor space requirements
-  Optional Integrated Pretreatment Injection Configurations:
 - Chlorine Destruct/Antiscalent
-  Easy hose connection set up in minutes
-  Provides greater control over press chemistry
-  Tank Full High/ Tank Full Low
-  Powder-coated Aluminum Frame Rust Free Design
-  130 or 300 gallon tank design
-  Integrated GRUNDFOS Scala2 demand pump
-  Pre-engineered for maximum versatility

DESIGN PARAMETERS

MODEL	CG14	CG24	CG34
PERFORMANCE			
Nominal Rejection	99%	99%	99%
Production (GPD)*	1800	3600	5400
Product Flow (GPM)*	1.25	2.5	3.75
Recovery			
ELECTRICAL			
Single Phase	115 Volt 20 amp		
Horsepower/AMPS	1.7 HP/14 AMP		
MEMBRANES			
Size (in)	4" X 40"	4" X 40"	4" X 40"
Quantity	1	2	3
Type	Spiral Composite Polyimide		
FEED WATER REQUIREMENTS			
Chlorine Tolerance	<0.1 PPM		
Temperature	Maximum 133° F (45 °C)		
Operating pH Range	2-10		
Cleaning pH	1-12		
Pre-Filtration	5 micron		
Membrane Pressure Range (PSIG)	120-160		
Max. Fouling Index (SDI)	<5.0		
DIMENSIONAL DATA			
Connections	Inlet 3/4" FIP, Outlet 1/2" QC, Drain 1/2" QC		
RO H x W x D	50" X 20" X 18"		



NuStream™
filtration



*Product flow rate varies with temperature, all models are rated at 77°F (25° C) with feed water of 1500 ppm NaCl Solution @ 150 psi applied pressure. Permeate flow for individual elements may vary + or - 15%.

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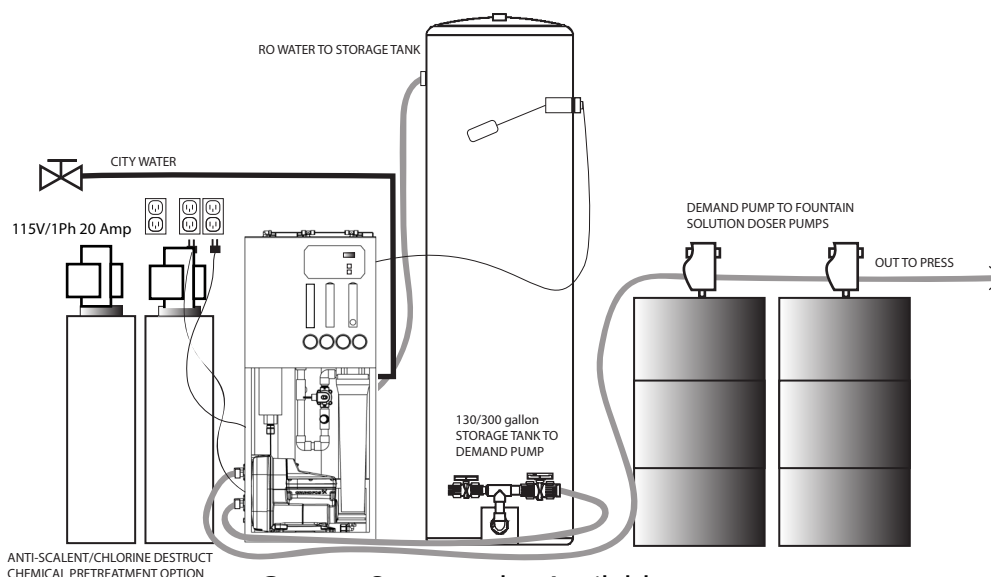
Better Pumps.

Multistage **GRUNDFOS**
Pumps utilized in all Professional Grade RO
and distribution products

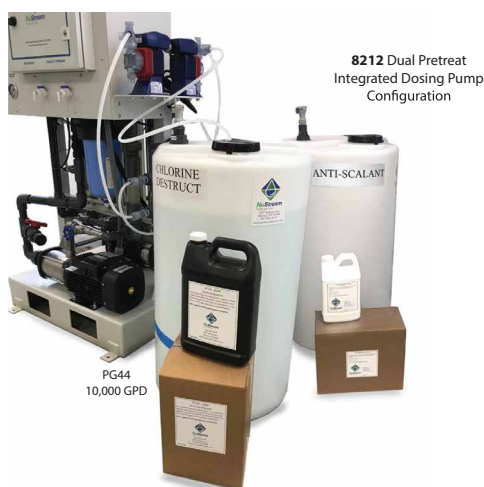


NuStream[™]
filtration

TYPICAL 130/300 GALLON CONFIGURATION INTERCONNECTING QUICK CONNECTIONS FOR QUICK SETUP



Custom Systems also Available



Chemical Pretreatment *FOR REVERSE OSMOSIS SYSTEMS*

BENEFITS

Less Labor: Easy, one step refill procedure. NO Annual RE-BEDDING of media. No SALT.

Less Money: Chemical Pretreat offers lower initial capitol expense with lower daily consumable cost.

Less Required Space: With a smaller footprint than backwashing vessels and no salt skid needed, chemical pretreat just makes sense.

Less Waste Water: Backwashing carbons and softeners consume **HUNDREDS** of gallons of water **DAILY** to regenerate. Our chemical injection systems consume less than 1.5 gallons per day.

Less Pollution: Backwashing softeners rinse **HUNDREDS** of pounds of salt per week down the drain opposed to ounces of chemical.

Better RO Performance: Anti-scalent injection improves conductivity of product water compared to water softener.