HANS™
Premium Water

3,785,000 LPD System Specifications

Operating Specifications

Water Temp	2-35 deg (C)
Ambient Temp	2-48 deg (C) ambient temp
Feed Pressure	30-60 PSI dynamic (system should be regulated to 60 PSI static max for best performance)
Power	220V 60Hz 15 amp dedicated GFCI
TDS	< 3000 input
Max Output Pressure	65 PSI
Max Output Flow*	> 2,725 LPM
Recovery**	Up to 90% (inlet water temp & TDS dependent)

Pre-Filters (16)

(8) Shelco 12FOS4	12 x 20 um cartridges
(8) Filters – Stage 2	12 x 5 um cartridges

HANS Carbon Filters (24)

Carbon Cell	(144) 10” x 44” tanks in parallel with connecting manifold
Carbon Size	180 cu ft total
Media	Catalytic carbon

HANS Redundant Pumps (16)

Rated Flow	132 LPM at 50 PSI
Power	120-240v AC single phase

Anti-Scaling Injectors (8)

Pump	(8) Stenner ECON FP Series
Controller	(8) HANS Control Box

HANS Quad Reverse Osmosis (48)

Membrane Elements	(192) - 6” x 40” elements; 53,760 sq ft total active area

Inlet Water Requirements

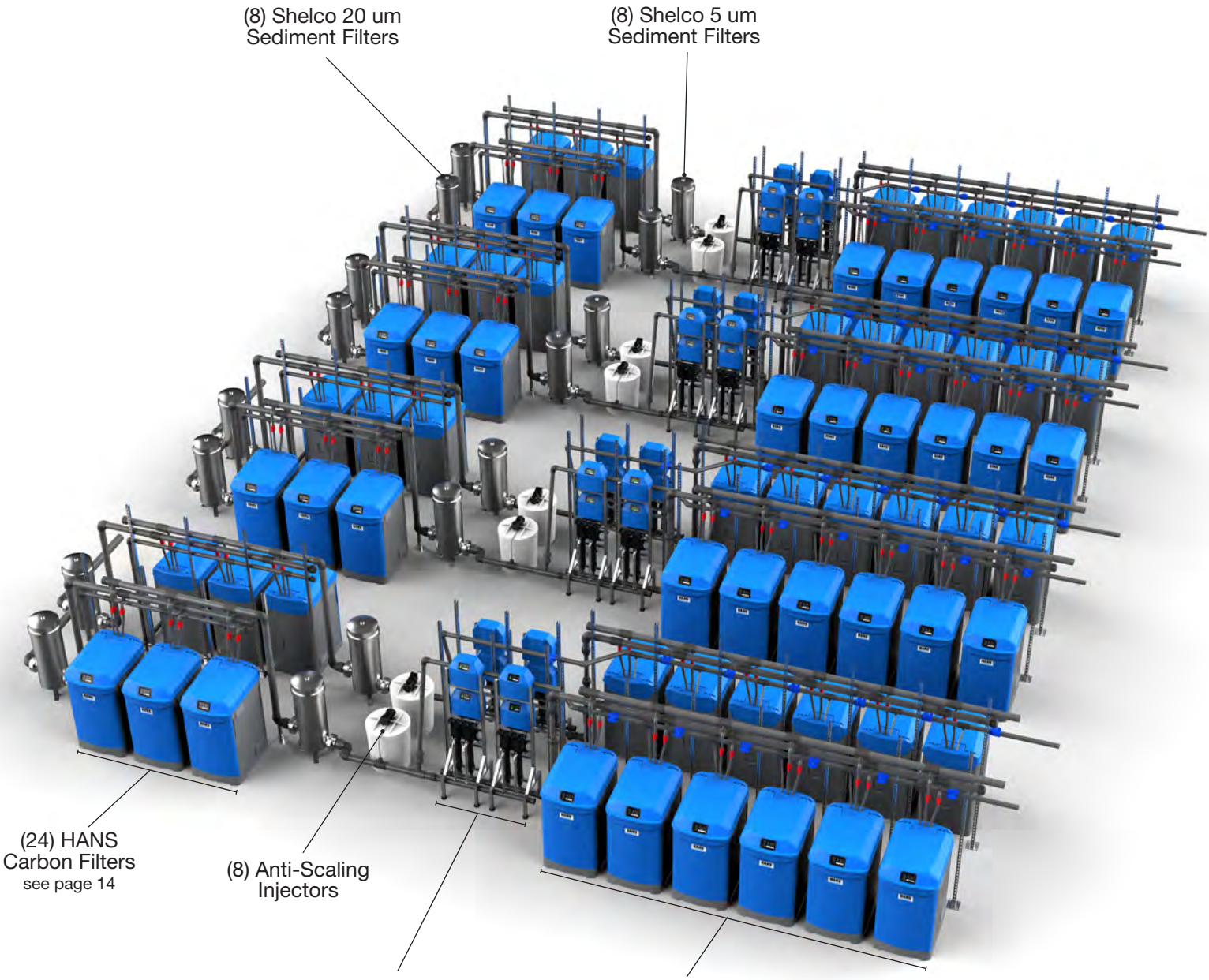
pH	5 to 9
TDS	< 3000 PPM
PFOA/PFOS	< PFOA (8000 PPT) <PSOS (16000 PPT)
Lead	< 150 PPB
Iron	< 6 PPM (Note - each ppm iron reduces grain capacity by 5)
Arsenic	< 50 PPB
Nitrate	< 30 PPM
Nitrite	< 3 PPM
Hardness	< 257 PPM
Chromium 6	< 300 PPB
Chromium Total	< 300 PPB
Barium	< 10 PPM
Radium	< 25 pCi/L
Fluoride	< 7.8 mg/L
Chlorine	< 4 PPM
Chloramine	< 4 PPM
VOCs (detailed list available)	–
Turbidity	1 NTU
Water Flow & Pressure	340 - 454 LPM @ 45 PSI min (inlet flow rates dependent on inlet TDS)

* > 720 GPM based on the following conditions: 77 deg F water temp; < 500 TDS; 50 PSI inlet; 35 PSI outlet

** Up to 90% recovery based on inlet TDS < 350

3,785,000 Litres Per Day System

2,725 Litres Per Minute with Boost Pumps



Footprint: **39 x 55 ft (12 x 16.8 meters)**
2,145 sq ft (199.3 sq meters)

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