



Shown NH46263+APC

KEY FEATURES:

- 7" High Resolution HMI Touch Screen that is Marine Grade and Bridge Certified
- Marine Duty Direct Drive Gearbox
- APC Fully Automated Operation and Pressure Control
- 80 sq. ft. pleated Pre-filter cartridge
- Fully Automated Fresh Water Flush System
- Available in Horizontal, and Modular configurations for flexible installation options.

**SUPERIOR QUALITY AND
RELIABILITY YOU CAN TOUCH.**

Since its inception, the FCI Neptune+ Series has been recognized for its high efficiency and extreme reliability. With output capacities ranging from 3,400 to 10,000 GPD and a dependable Direct Drive High Pressure Pump, it has proven to be a dependable workhorse by utilizing premium components: 316SS pumps, commercial filtration, NEMA 4X electrical enclosures, pressure vessels with 6x the safety factor, and industry-leading certified control systems. When you add Automated Pressure Control, and the corresponding media filtration skid, the Neptune+APC is the optimum system with automated watermaking at your fingertips. Also available in Modular configuration, which allows flexible installation options in situations with limited installation space. Both configurations are ideal for commercial vessels, island homes, oil platforms, hotels, or large yachts.



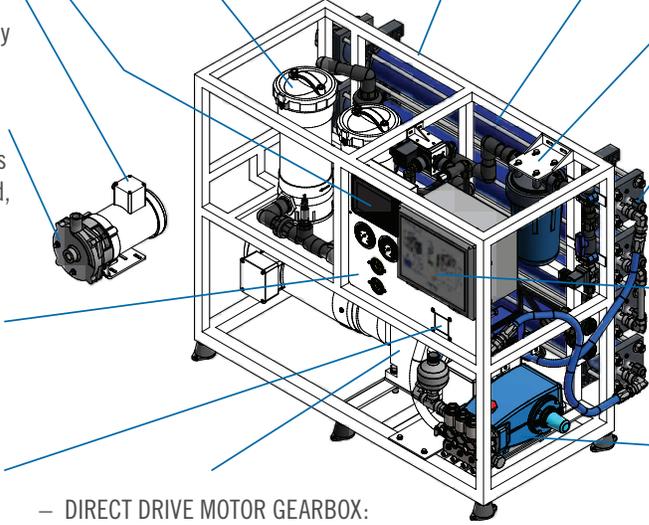
Simple one-touch operation,
and reliable Direct Drive Pump.

RELIABILITY AND COMPLETE AUTOMATION AT YOUR FINGERTIPS. FCI's next generation V4 controller and interface allows customization of your watermaker through intuitive advanced touch screen controls. Our monitors' higher heat tolerance and system design allow them to work in the harshest environments. FCI touch screen controllers can be installed with confidence, because they are Bridge Classified for marine use with Type Approval Certifications from: ABS, GL, Lloyd's Register EMEA, Det Norske Veritas, and Russian Maritime Register of Shipping. Rest assured, our V4 control will reliably perform for your application, and is rugged enough to last in your environment.

FCI has been manufacturing Watermakers and water purification equipment for over three decades. To ensure we exceed your expectations, we design, manufacture, program and test our units in-house for optimum quality control. Know that a company specializing in only Watermakers is here for you.

NEPTUNE+ HORIZONTAL SYSTEM FEATURES:

- HMI TOUCH SCREEN: 7" High-resolution, Marine Grade and Bridge Certified.
- LP/FEED PUMP: 316SS closed impeller design offers 50% more pressure efficiency over standard pumps.
- MOTOR: TEFC continuous-duty wash down rated motors with 316SS shaft, and sealed, maintenance-free bearings for long life application.
- PRESSURE GAUGES & FLOW METERS: Provides visual indication of critical info to aid troubleshooting.
- AUTOMATIC PRESSURE CONTROL (APC): Auto-adjusts system pressure to feed water conditions.
- PRE-FILTER: 80 sq. ft. of pleated filter with PVC core in addition to pressure monitoring and alarming.
- FRAME: 6061 Aluminum powder coated frame.
- MEMBRANES: High Rejection non-proprietary membranes used to obtain the highest quality of product water.
- FRESH WATER FLUSH: Schedule automated flushes through the V4 Control System.
- PRODUCT VESSELS: 316SS product/pressure ports, and FDA/NSF-51 fittings used on the product water.
- ELECTRICAL: NEMA 4X rated enclosure with overload protection on low pressure and high pressure pumps.
- HIGH PRESSURE PUMP: Continuous-duty 316SS HP pump with Pulsation Dampener.
- DIRECT DRIVE MOTOR GEARBOX: Marine Grade, continuous-duty with no belts to adjust, align or replace.



DESIGN PARAMETERS

Design Permeate Salinity:	< 500ppm
Salt Rejection (Chloride):	99.7%
Control System:	V4
Control Voltage:	24 vdc
Operation Pressure:	825 PSI/56 Kg/cm ²

POWER SUPPLY OPTIONS

VAC/Phase/Hz	208-240/3/60	Amperes:	28.2
	380-415/3/50		16.1
	440-480/3/60		13.6

UTILITIES

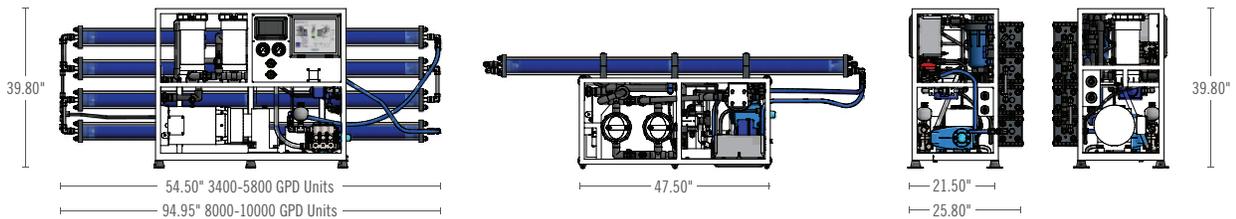
Inlet:	1" FNPT
Brine:	1" FNPT
Product:	½" FNPT
FWF:	½" FNPT

Contact factory for other voltages.

MODEL	GPD/LPD	GPH/LPH	M3	KW	WEIGHT LBS/KG
NH34263+ / NH34263+APC	3400 / 12870	141 / 533	12.88	14.8	421 / 191
NH46263+ / NH46263+APC	4600 / 17412	191 / 723	17.42	14.8	471 / 214
NH58263+ / NH58263+APC	5800 / 21955	241 / 912	21.97	14.8	521 / 236
NH80263+ / NH80263+APC	8000 / 30283	333 / 1260	30.30	14.8	655 / 297
NH10263+ / NH10263+APC	10000 / 37854	416 / 1574	37.88	14.8	724 / 328

NOTE: Ratings based on 77°F/25°C; 35,000 TDS; <3 SDI; 7.5 pH; Free Chlorine max 0.1 mg/l.

HORIZONTAL DIMENSIONS



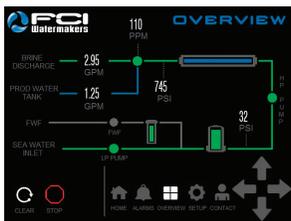


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- Marine Duty Direct Drive Gearbox
- APC Fully Automated Operation and Pressure Control
- 80 sq. ft. pleated Pre-filter cartridge
- Fully Automated Fresh Water Flush System
- Available in Modular and Horizontal Framed configurations for flexible installation options.

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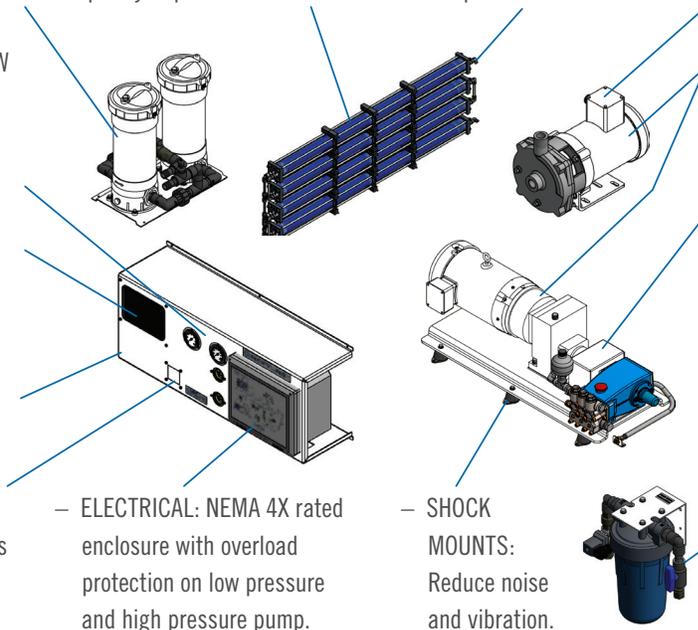
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- HMI TOUCH SCREEN: 7" High-resolution, Marine Grade and Bridge Certified.
- FRAME: Aluminum powder coated frame.
- Automatic Pressure Control (APC): Auto-adjusts system pressure to feed water conditions.
- MEMBRANES: High Rejection non-proprietary membranes used to obtain the highest quality of product water.
- PRODUCT VESSELS: 316SS product/pressure ports, and FDA/NSF-51 fittings used on the product water.
- LP/FEED PUMP: Closed impeller design offers 50% more pressure efficiency over standard pumps. TEFC continuous-duty wash down rated motor with 316SS shaft, and sealed, maintenance-free bearings for long life application.
- DIRECT DRIVE MOTOR GEARBOX: Marine Grade, continuous-duty with no belts to adjust, align or replace.
- HIGH PRESSURE PUMP: Continuous-duty 316SS HP pump with Pulsation Dampener.
- FRESH WATER FLUSH: Schedule automated flushes through the V4 Control System.
- ELECTRICAL: NEMA 4X rated enclosure with overload protection on low pressure and high pressure pump.
- SHOCK MOUNTS: Reduce noise and vibration.



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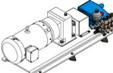
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Brine:	1" FNPT
Product:	1/2" FNPT
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MODULAR DIMENSIONS

						
CONTROL PANEL	FRESH WATER FLUSH	PRE-FILTER	LP PUMP	HP PUMP	PV ASSEMBLY 3400-5800 GPD	PV ASSEMBLY 8000-10000 GPD
w 35.50 in. d 11.20 in. H 16.70 in.	w 12.66 d 8.09 H 13.49	w 17.00 d 15.10 H 19.50	w 6.80 d 13.50 H 9.30	w 31.58 d 18.25 H 16.01	w 54.49 d 6.00 H 30.99	w 94.80 d 6.00 H 31.00