



Membrane Water Purification

ENGINEERING YOUR SUCCESS.

ZSN Series - Nanofiltration (NF) Systems

Ultra-Low Pressure Operation Under 100 PSI
NF Treatment for Hardness, Silica, and Organics



OUTPUT: Unit capacities from 5 gpm to 20 gpm (1-4.5M³D). Multiple skids/units can be combined in parallel for larger capacity systems and for reliability.

Applications:

Parker ZSN series nanofiltration systems provide permeate water typically from tap/city water or similar wellwater. ZSN systems are used for bottled water, drinking water, food and beverage manufacturing, automotive, laboratories, healthcare, water stores, and commercial/light industrial applications. Parker NF Systems specifically target reduction of hardness, silica, and organics.



Power Generation



Food & Beverage



Manufacturing
Equipment/Chemicals



Hotel/Resorts

Parker Features:

- Worldwide Parker Locations and Global Customer Support
- High Quality Equipment/Solutions Since 1918
- ISO Certified Quality
- 24/7 Availability - Reliability
- Global Footprint
- Environmentally Engineered Membrane Solutions
- Over 50,000 Parker Employees

ZSN Series - Brackish Water Nanofiltration (NF)

ZSN RO Model	CAPACITY (perm.)		No. of MEM.	DIMENSIONS (approx.)		
	(GPM/GPD)	(M3HR/LPH)		L (in/cm)	W (in/cm)	H (in/cm)
ZSN-1	3.0/4,300	0.68/680	1	28/71	28/71	54/137
ZSN-2	6.0/8,600	1.4/1365	2	28/71	28/71	54/137
ZSN-3	9.0/12,900	2.0/2050	3	28/71	28/71	54/137
ZSN-4	12/17,300	2.7/2700	4	28/71	28/71	54/137
ZSN-5	15/21,600	3.4/3400	5	28/71	28/71	54/137
ZSN-6	18/25,900	4.0/4000	6	28/71	28/71	54/137

STANDARD FEATURES: Aluminum Parker IPS corrosion resistant skid frame, PLC automated, SS RO pump, 5 micron prefiltration, Parker NF membranes, instrumentation for flow, pressure and conductivity.

- Systems designed based upon treating up to 1,000 mS/cm conductivity city/tapwater at 20-25C, pH 6.5-7.5, SDI <3, TOC < 2.5ppm at 35-65 psi feed pressure
- System capacity and recovery is a function of the source water type, temperature and water quality
- Maximum feed water conductivity, 2,500 mS/cm with derated system capacity
- 110-230 V/1 PH/50-60HZ or 380-480 V/3PH/50-60 HZ primary electrical power
- Nanofiltration systems engineered to operate at less than 100 PSI

Parker Hannifin Corporation

We manufacture highly engineered components and systems used around the world for various applications. Parker products are installed and operating in many industries such as Power generation, Aerospace, Oil and Gas, Beverage Production, Marine, Military, Agriculture, Construction, and other industrial applications.



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