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Reverse Osmosis Systems

Perge Series

Perge Series Reverse Osmosis Systems



- Membrane covers FRP or Stainless steel, TFC Spiral wound membranes 2.5" and 4" diameter
- SS304 grade stainless steel vertical centrifugal high pressure pump (On devices between Perge 340 and Perge 1540), Brass body rotary type high pressure pump (in Perge 125-1 to Perge 240 devices)
- The chassis of Perge 125-1 to Perge 640 devices is made of SS304 Quality stainless steel (optional ST37 carbon steel).
- The chassis of Perge 840 to Perge 1540 devices is made of ST-37 carbon steel or SS304 stainless steel.
- 5 micron precision cartridge filter
- Low and high pressure pipes U-PVC / Zonder
- Automatic valves, solenoid or equivalent valves, pressure adjustment valves on the pump outlet and wastewater line, low and high pressure switches
- Product water and waste water scratch flow meters, glycerin manometers, product water conductivity indicator, autoflush system
- RO electronic control board, alarm and status lights
- 220 V/50Hz/1ph (For devices between Perge 125-1 and Perge 240), 380 V/50Hz/3ph (On devices between Perge 340 and Perge 1540)
- Antiscalant dosing system not included

** Device images will vary depending on the model.

Perge Series Reverse Osmosis System Features

MODEL	BODY	CAPACITY @20C (lt/day)	WORKING PRESSURE (psi)	SYSTEM EFFICIENCY (%)	ENERGY (Kw)	DIMENSIONS HxWxD (mm)	MEMBRANE PROPERTIES	
							DIMENSIONS	NUMBER OF MEMBRANES
Perge 125 -1	SS 304	720	150 - 200	40	0,37	1590 x 540 x 650	2,5" x 21"	1
Perge 125 -2	SS 304	1500	150 - 200	40	0,37	1590 x 540 x 650	2,5" x 40"	1
Perge 125-3	SS 304	2000	150 - 200	40	0,37	1590 x 540 x 650	4" x 21"	1
Perge 140	SS 304	5000	150 - 200	50	0,64	1590 x 540 x 650	4" x 40"	1
Perge 240	SS 304	10000	150 - 200	50	0,64	1590 x 540 x 650	4" x 40"	2
Perge 340	SS 304	15000	150 - 200	60	1,1	1590 x 540 x 650	4" x 40"	3
Perge 440	SS 304	20000	150 - 200	60	1,5	1590 x 540 x 650	4" x 40"	4
Perge 540	SS 304	25000	150 - 200	60	2,2	1590 x 540 x 650	4" x 40"	5
Perge 640	SS 304	30000	150 - 200	60	2,2	1590 x 540 x 650	4" x 40"	6
Perge 840	EPOXY	40000	150 - 200	60	2,2	1250 x 600 x2500	4" x 40"	8
Perge 840	SS 304	40000	150 - 200	60	2,2	1250 x 600 x2500	4" x 40"	8
Perge 940	EPOXY	45000	150 - 200	60	2,2	1250 x 600 x2500	4" x 40"	9
Perge 940	SS 304	45000	150 - 200	60	2,2	1250 x 600 x2500	4" x 40"	9
Perge 1040	EPOXY	50000	150 - 200	60	2,2	2700 x 1400 x750	4" x 40"	10
Perge 1040	SS 304	50000	150 - 200	60	2,2	2700 x 1400 x750	4" x 40"	10
Perge 1240	EPOXY	60000	150 - 200	60	3	1350 x 600 x3500	4" x 40"	12
Perge 1240	SS 304	60000	150 - 200	60	3	1350 x 600 x3500	4" x 40"	12
Perge 1540	EPOXY	75000	150 - 200	60	3	1550 x 700 x3500	4" x 40"	15
Perge 1540	SS 304	75000	150 - 200	60	3	1550 x 700 x3500	4" x 40"	15

- Inlet water TDS: 0-2,000 ppm
- Inlet water pressure: 2 to 5 bar
- Inlet water pH range: 6-8
- Silica (SiO₂) tolerance: 25 ppm max.
- Min. and max. inlet water temperature (10° C - 30° C)
- Max. Iron (Fe) tolerance: 0.05 ppm (if ASC is not dosed) 0.2 ppm (if ASC is dosed)
- There should be no Hydrogen Sulfide.
- There should be no turbidity (NTU <1), no oil-grease, SDI (< 5), no microbiological contamination.