



Applied for water where classical purification systems become insufficient (seawater, well water with high conductivity etc.), separating all undesirable minerals from water, membran filtration transaction devoted to pure water provision is called REVERSE OSMOSIS.

MODEL	CAPACITY @20C m ³ /h	VOLTAGE (V/Hz)	RECOVERY (%)	POWER Kw	MAX. OPERATING PRESSURE(bar)	DIMENSIONS HxWxD (mm)	MEMBRANE PROPERTIES		
							VESSEL QUANTITY	MEMBRANE QUANTITY	DIMENSIONS (inch)
GAMA 180	1	380V / 50Hz	50	3	12	1250 x 1300 x 900	1	1	8" x 40"
GAMA 280	2	380V / 50Hz	50	3	12	1250 x 1300 x 900	2	2	8" x 40"
GAMA 380	3	380V / 50Hz	60	4	12	1400 x 4000 x 900	1	3	8" x 40"
GAMA 480	4	380V / 50Hz	60	4	12	1400 x 4000 x 900	2	4	8" x 40"
GAMA 680	6	380V / 50Hz	60	4	12	1550 x 4000 x 900	2	6	8" x 40"
GAMA 880	8	380V / 50Hz	70	7,5	12	1750 x 4750 x 900	2	8	8" x 40"
GAMA 1080	10	380V / 50Hz	70	11	12	1750 x 5750 x 900	2	10	8" x 40"
GAMA 1280	12	380V / 50Hz	75	11	12	1750 x 7000 x 900	2	12	8" x 40"
GAMA 1580	15	380V / 50Hz	75	11	12	1800 x 5750 x 900	3	15	8" x 40"
GAMA1880	18	380V / 50Hz	75	18,5	12	1800 x 7000 x 900	3	18	8" x 40"
GAMA 2480	24	380V / 50Hz	75	22	12	1800 x 7000 x 900	4	24	8" x 40"
GAMA 3080	30	380V / 50Hz	75	22	12	2200 x 7000 x 1000	5	30	8" x 40"
GAMA 3680	36	380V / 50Hz	75	30	12	2200 x 7000 x 1400	6	36	8" x 40"
GAMA 4280	42	380V / 50Hz	75	30	12	1800 x 7000 x 1400	7	42	8" x 40"
GAMA 4880	48	380V / 50Hz	75	30	12	1800 x 7000 x 1400	8	48	8" x 40"
GAMA 6080	60	380V / 50Hz	75	37	12	2500 x 7000 x 1400	10	60	8" x 40"
GAMA 7280	72	380V / 50Hz	75	45	12	2100 x 7000 x 2100	12	72	8" x 40"
GAMA 9680	96	380V / 50Hz	75	55	12	2300 x 7000 x 2700	16	96	8" x 40"



STANDART FEATURES

- Membrane vessels FRP
- TFC Spiral wound membranes 8" diameter
- AISI304 stainless steel vertical centrifugal high pressure pump
- ST-37 Epoxy painted carbon steel frame (optional stainless steel frame)
- 5 Micron cartridge filter (optional Styre filter)
- Low and high pressure line U-PVC PN16 (available in between GAMA180 -GAMA3080)
- Low pressure line U-PVC PN16, High pressure line AISI304 Stainless steel (available in between GAMA3680 -GAMA9680)
- Electrical actuated automatic valves
- Pressure adjustment valves in Pump outlet and waste water line
- Low and high pressure switches
- Product water and waste water flowmeters
- Gliserin Filled Manometers
- Product Water Conductivity Meter (0-2000 $\mu\text{S}/\text{cm}$)
- Autoflush System
- Optional CIP and automatic Rinsing System
- Electronic Card or PLC control panel
- Antiscalant dosage system is not included

RECOMMENDED FEED WATER LIMITS

- Feed water TDS : 0-2,000 ppm
- Feed water pressure : 2 to 5 bar
- Feed Water Ph range : 6-8
- Silica (SiO_2) tolerance : 25 ppm max.
- Min. and max. feed water temperature (10° C - 30°C)
- Max. Iron (Fe) tolerance : 0.05 ppm (without ASC dosing)
0,2 ppm (with ASC dosing)
- Hydrogen Sulfide should be removed.
- Turbidity should be removed. (NTU < 1)
- Oil-Grase should be removed.
- SDI < 5
- Microbiological contamination should be removed