



MAIN FEATURES

- Complete filtration system with sediment filter, activated carbon and RO membranes (2x300GPD)
- Dechlorination tank with manual backwash valve and homogenization of the activated carbon bed
- Rotary positive displacement pump with graphite vanes and self-priming. Silent and maintenance free
- Closing electrovalve of inlet water electronic controlled by the level detector of accumulation tank
- Flushing solenoid valve electronically timer controlled
- 24Vdc solenoid valves. Electrical safety
- Osmotic water quality monitoritized by conductivity
- Auxiliary output (alarm, PLC control, etc.)
- Inlet pressure gauge
- Permeate flow control (rotameter)
- ½" input connection, 3/8" output connection
- Electrical Safety Class I (ground connection)
- **(OPTIONAL)** 56L Tank + 12,5LPM Output pump

TECHNICAL DATA

Reference:	A-271003 / A-270004 (with pump)
Feeding:	Inlet: 230V / 50Hz
Power:	200 W (+100W optional tank pump)
Starting:	Reservoir tank level detector
RO membrane capacity:	2 x 300 GPD HF (High Flow)
Nº RO membranes:	2
Osmosis water production:	Up to 1,7 l/min
Weight:	40 Kg

WORK CONDITIONS

Inlet pressure:	2 – 4 bar (it's advisable to install a pressure regulator in the entrance to avoid water hammers)
Inlet water temperature:	4 – 45 °C
Inlet maxim TDS:	2000 ppm (higher consult Technical Support)



TECHNICAL DATA

TDS removal:	98% (mín. 96%)
Recuperation:	50%
Maximum hardness:	20 DH° (36°F)
pH range:	4 – 11
Free chlorine:	1 ppm (For higher values install an extern dechlorinator)

DIMENSIONS

Dimensions (height x width x length)	670mm x 640mm x 350mm
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SECURITY SEDIMENT PREFILTER

Composition:	Polypropylene (P.P.) SPUN technology
Function:	Suspended particles retention > 5 µm
Aprox. Live:	According inlet water

CARBON PREFILTER

Composition:	Carbon GAC, 8 liters (Vessel 8x17")
Function:	Chlorine retention to prevent degradation of RO membranes
Aprox. Live:	According inlet water
Valve:	Manual valve for carbon backwash

RO membranes

Composition:	Polyamide TFC
Capacity:	2 x 300 GPD (size 3012)
Aprox. Live	1 -2 years (According inlet water)

PUMP

Composition:	Brass and graphite
Flow:	200 l/h Self-priming
Type:	Positive displacement self-priming

TANK (OPTIONAL)

Composition:	Plyethylene alimentary
Capacity:	56 liters

OUTPUT PUMP (OPTIONAL)

Flow:	12,5 l/m Self-priming
Type:	Positive displacement self-priming

