

APRO-LP systems

THE UNIQUE FEATURES OF OUR APRO-LP SYSTEMS
ALLOW A CONSISTENTLY PRODUCTION OF HIGH QUALITY WATER
WITH LOW ENERGY CONSUMPTION

We introduce APRO-LP Extreme Low energy Brackish Water RO product line

- Equipped with the highest quality components
- Robust construction and easy maintenance
- Modern design and quiet operation
- Built and assembled in EU



reverse osmosis system APRO-LP-1000



BENEFITS

- Improved water quality
- Extended membrane life
- Low maintenance operation
- Space saving design
- Quiet operation
- Reduced operational costs

SYSTEM EQUIPMENT

- Various Product Sizes 250 - 2,000 LPH
- Stainless steel Frame and equipment panel
- Multi Stage Stainless steel Grundfos pump
- Extreme Low Pressure GE membranes
- Stainless steel needle regulation valve
- Stainless steel pressure vessels
- Belimo actuated flush valve
- Fully equipped electric board with pump protection
- MP controller for quality monitoring with Stainless steel probe
- Stainless steel panel mounted with Glycerin-filled Gauges
- Low Pressure Shutoff
- Double BB Pre-filter

OPTIONAL FEATURES

- Grundfos DDE antiscalant dosing pumps
- Supply pumps and storage vessels
- Integrated ABB PLC and color touch screen display with remote control kit
- UF pre-treatment
- Nalco antiscalant



Standart features APRO-LP 250–2000 LPH



MODEL	APRO LP 250	APRO LP 500	APRO LP 750	APRO LP 1000	APRO LP 1500	APRO LP 2000
Permeate Flow, LPH	250	500	750	1 000	1 500	2 000
Membrane Quantity	1	2	3	4	6	8
Membrane Size, inch	4 x 40	4 x 40	4 x 40	4 x 40	4 x 40	4 x 40
Max inlet TDS, ppm	4 000	4 000	4 000	4 000	4 000	4 000
Flush Valve	Yes	Yes	Yes	Yes	Yes	Yes

Specification APRO-LP 250–2000 LPH

MODEL	APRO LP 250	APRO LP 500	APRO LP 750	APRO LP 1000	APRO LP 1500	APRO LP 2000
Production of clean water LPH	250	500	750	1 000	1 500	2 000
Reduction of salt content, %	Up to 90					
System recovery, %	50 - 85					
Membrane's type	1 x 4040	2 x 4040	3 x 4040	4 x 4040	6 x 4040	8 x 4040
Input flow of water at a pressure of 3 bar	0,4 – 0,6	0,8 – 1,1	1,2 – 1,65	1,6 – 2,2	2,4 – 3,3	3,2 – 4,4
Power consumption, Wt	500		670		1200	
Power supply	220 V, 50 Hz				380 V, 50 Hz	
Dimensions, mm	685 x 1 375 x 520		1 260 x 1 390 x 780		2 315 x 1 770 x 830	
Net weight, kg	57	70	91	101	153	160
Sizing (inlet, outlet, concentrate)	3/4"/3/4"/3/4" NPTF			1" 3/4"/3/4" NPTF		

GENERAL INFORMATION

The **reverse osmosis system of Aquaphor** (RO system) manufactured by "Westaqua-Invest OÜ" (Estonia, EU). The RO system is designed to **reduce the total salt content** by reverse osmosis (**desalination, demineralization, reduction of conductivity**) water from municipal and local water supply systems (brackish water) under the correspondence of the requirements established by the demands.

Materials of RO systems are **safety, non-toxic** and do not release to the water any dangerous substances to health or the environment.

The RO system is the most efficient and safe installation of desalination.

NOTE The RO system is not designed to solve all problems related to water treatment. For proper operation it requires pretreatment.

