

PRO RO Reverse Osmosis Systems

The PRO RO is designed for small / medium volume water applications for food service equipment; especially coffee machines. The PRO RO systems feature an assembled and tested manifold assembly and is available in a range of models to suit your application. The system uses quick connect high capacity filter cartridges and a reverse osmosis membrane.

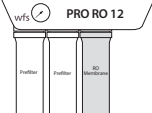


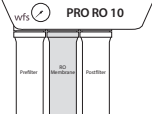


Features & Benefits

- Quick change, encapsulated MaxiFlow cartridges
- Superior high efficiency pre / post Fibron filtration media
- Easy to change and service compact design
- All components supplied
- Filters and pump made in U.S.A.

Application

- Small/medium volume demand installations
- Coffee – scale and chloride corrosion prevention
- Food Service water
- Replaces bottled and distilled water

| MODEL | SCHEMATIC | STAGE 1 | STAGE 2 | STAGE 3 | APPLICATION |
|----------|---|----------------------------|--------------------------------|-----------------------------------|--|
| PRORO-12 |  | FIBRON PREFILTER PRC100 | FIBRON PREFILTER PRC100 | REVERSE OSMOSIS MEMBRANE PRM10 | COMPACT SYSTEM TWIN STANDARD PREFILTERS MOUNTING SPACE REQUIRED 450MM W X 450MM H 25 LPH < 40 KG COFFEE / WEEK |
| PRORO-13 |  | FIBRON PREFILTER XL PRC200 | FIBRON PREFILTER XL PRC200 | REVERSE OSMOSIS MEMBRANE PRM10 | STANDARD SYSTEM TWIN EXTRA CAPACITY PREFILTERS PROBLEM WATER SITES MOUNTING SPACE REQUIRED 450MM W X 570MM H 25 LPH < 40 KG COFFEE / WEEK |
| PRORO-15 |  | FIBRON PREFILTER XL PRC200 | FIBRON PREFILTER XL PRC200 | REVERSE OSMOSIS MEMBRANE XL PRM15 | HIGH CAPACITY SYSTEM TWIN EXTRA CAPACITY PREFILTERS EXTRA LONG R.O. MEMBRANE MOUNTING SPACE REQUIRED 450MM W X 570MM H 30 LPH < 60 KG COFFEE / WEEK |
| PRORO-10 |  | FIBRON PREFILTER PRC100 | REVERSE OSMOSIS MEMBRANE PRM10 | FIBRON POSTFILTER PRC110 | COMPACT SYSTEM WHERE POST FILTRATION IS REQUIRED |

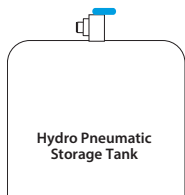
Specifications and Brief User Guide (complete User Guide including installation and troubleshooting points supplied with system)

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|---|---|
| <ul style="list-style-type: none"> • Flow rate / Production - 25 lph @ 450 kPa at 25 deg C • Product to waste water ratio - 1:1 when tank is filling • Rejection rate - Total Dissolved Solids > 97% • Capacity - see User Guide for details • Water Pressure range - 300 - 850 kPa | <p>Part Numbers</p> <p>PRC100 - Pre Filter 10"</p> <p>PRC110 - Post Filter 10"</p> <p>PRC200 - Pre Filter XL 15"</p> <p>PRM10 - PRO RO Membrane 10"</p> <p>PRM15 - PRO RO Membrane XL 15"</p> |
|---|---|
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- Select the PRO RO model carefully according to the application. See WFS for assistance
 - PRO RO systems use mains water pressure. No pressure pump is supplied. Minimum inlet water pressure should be 400 kPa.
 - Production varies with water conditions - typical production 25 lph PRORO-10, 12, 13; 30 lph PRORO-15
 - Larger volume / difficult water / low pressure conditions will require a high capacity pumped RO system; bestaqua - ask WFS
 - Always have a spare set of prefilters on hand - most common cause of loss of production is blocked prefilter
 - PRO RO installation space required - Width 450mm, Depth 120mm, Height Standard 450mm XL ctgs 570mm

Pressure Storage Tanks - PRO RO's require a pressure tank to store permeate

The correct storage tank should be selected to ensure adequate water is stored for your application. Consideration of the Demand Profile is important; Volume of water required per hour/ PRO RO production / Storage required plus contingency.

Tanks can be plumbed in parallel to increase water storage.

| MODEL | SCHEMATIC | VOLUME LTRS | DIA MM | HEIGHT MM | CONNECTION |
|-------------|---|-------------|--------|-----------|------------|
| RO-TANK122 |  | 12 | 240 | 350 | 1/4" |
| RO-TANK132 | | 14 | 280 | 350 | 1/4" |
| RO-TANK152 | | 18 | 290 | 408 | 1/4" |
| RO-TANK1070 | | 48 | 390 | 575 | 1/4" |

Remineralisation

WFS offer remineralisation filters which add TDS/minerals to the RO filtered water for optimum beverage water. See WFS for more details

