

RObust 4000 Direct Flow RO System

Light Commercial Reverse Osmosis System — Twin-Membrane High-Demand Direct Flow



Performance

Flow Capacity	150 – 180 Lph (at 25°C feed water temperature, 1000 ppm TDS)
Water Consumption	230 – 300 Lph
Recovery Rate	60 – 65%
Operating Hours	Up to 20 hours per day
Inlet Pressure	2 – 5 bar

Filtration Stages

Stage 1 — Sediment	5 micron PP sediment filter 2.5" x 10"
Stage 2 — Carbon	CTO carbon filter 2.5" x 10"
Stage 3 — RO Membranes	Membrane elements (2 pcs) 3.0" x 12"
Stage 4 — Post-Filter	Post-filter included

Feed Water Requirements

Water Quality	pH 6.5 – 8.5 · TDS ≤ 1500 ppm · Hardness < 500 ppm CaCO ₃
Trace Contaminants	Chlorine ≤ 0.5 ppm · Iron ≤ 0.3 ppm · Manganese ≤ 0.05 ppm
Feed Water Temperature	+4°C to +30°C

Electrical & Physical

Power Supply	180 – 240 V, 50 – 60 Hz · 0.12 kW consumption
Dimensions (H x W x D)	561 x 195 x 562 mm
Weight	21 kg
Pressure Tank	Built-in 2 L, with integrated pressure gauges
Protection / Certification	IP 54 · CE marked, compliant with EC New Approach Directives

System Components

Included	Assembled filter, pre-filter & post-filter, 2 x RO membranes, drain saddle, installation fitting set, tubing set, service wrenches, power supply
Replacement Items	Sediment & carbon filters every 3 months; RO membranes every 12 months — sold separately

Suited to restaurants, water production, small breweries, laboratories and similar light-commercial applications.