RObust 1500 Direct Flow RO System

SKU **074025** *Light Commercial Reverse Osmosis System — 4-Stage Filtration*



Performance

Flow Capacity	90 – 100 Lph (at 25°C feed water temperature, 1000 ppm TDS)
Water Consumption	140 – 165 Lph
Recovery Rate	60 – 65%
Operating Hours	Up to 20 hours per day
Inlet Pressure	1 – 5 bar

Filtration Stages

Stage 1 — Sediment	5 micron PP sediment filter 2.5" x 10"
Stage 2 — Carbon	GAC coconut shell carbon filter 2.5" x 10"
Stage 3 — RO Membrane	Membrane element 3.0" x 12"
Stage 4 — Post-Filter	CTO carbon post-filter 2.5" x 10"

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)	417 x 367 x 297 mm
Room Temperature	+5°C to +40°C
Certification	CE marked, compliant with EC New Approach Directives

System Components

Included	Assembled filter housing, pre-filter & post-filter cartridges, RO membrane, drain saddle, installation fitting set, tubing set, service wrenches, integrated pressure gauges
Replacement Items	Filter pack (stages 1–2–3) every 3 months; RObust 1500 membrane element every 12 months — sold separately

Suited to Combi Steam Ovens, Dishwashers, Ice Machines, Coffee Machines, Laboratories, Dentists, and other light-commercial applications.