



PURE WATER TECHNOLOGY

RO Water Purifier Cabinet

2400 GPD Commercial Reverse Osmosis System

MODEL FTP-RO-2400G-CAB

2400 GPD

CAPACITY

4-STAGE

PP+ACFS+RO+RO

6.3 L/min

NET FLOW

SMART LED

TDS · PRESSURE · LIFE



FTP-RO-2400G-CAB

PRODUCT OVERVIEW

Commercial RO Water Purifier Cabinet

Model FTP-RO-2400G-CAB · 2400 GPD high-capacity reverse osmosis system

AQUAPRO FTP-RO-2400G-CAB is a free-standing commercial reverse-osmosis water purifier built into a lockable, mobile steel cabinet. It combines a four-stage **PP + ACFS + RO + RO** filtration train with a smart electronic display that reports inlet/outlet TDS, working pressure, individual filter life and flushing status in real time.

Engineered for offices, clinics, schools, shops and light-commercial sites running on municipal tap water, it delivers up to **2400 gallons per day** of purified water at a net flow of **6.3 L/min**, while a built-in TDS regulating valve lets the operator fine-tune output water quality on demand.



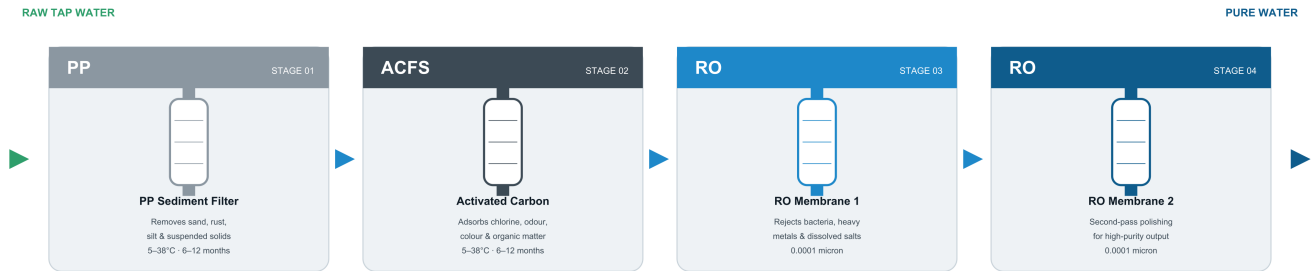
<p>2400 GPD CAPACITY</p>	<p>6.3 L/MIN NET FLOW</p>	<p>4 FILTRATION STAGES</p>	<p>288 W RATED POWER</p>
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KEY HIGHLIGHTS

<p>Smart LED display</p> <p>Live inlet & pure TDS (ppm), bar pressure, T1–T4 filter-life bars, data & flush icons.</p>	<p>4-stage RO train</p> <p>PP sediment, activated carbon, plus dual reverse-osmosis membranes to 0.0001 micron.</p>	<p>Adjustable TDS valve</p> <p>Front knob raises or lowers output TDS to suit the application.</p>
<p>Mobile cabinet</p> <p>Lockable steel enclosure on four castors with cooling fan; tidy concealed plumbing.</p>	<p>Auto flush & reset</p> <p>Automatic membrane flushing and per-filter electronic life reset.</p>	<p>Municipal-ready</p> <p>Designed for tap water at 0.1–0.4 MPa inlet, 5–38°C.</p>

FILTRATION TECHNOLOGY

How the 4-Stage System Works



PP + ACFS + RO + RO — 4-Stage Reverse Osmosis Filtration
 Smart electronic monitoring tracks the life of each stage (T1–T4) on the front display.

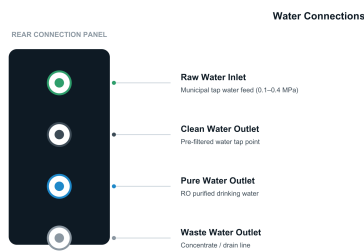
Water passes sequentially through each stage. The two PP/ACFS pre-filters protect the membranes by removing particulates, chlorine and organics; the dual RO membranes then reject dissolved salts, heavy metals and microorganisms. The control board continuously tracks the service life of every stage and signals replacement through the T1–T4 indicators on the front panel.

DISPLAY & CONTROLS

- **Inlet TDS (Tap ppm)**
Raw water total dissolved solids, shown on the left readout.
- **Working pressure**
Central bar gauge shows live system pressure (e.g. 0.7 bar idle).
- **Flush indicator**
Shows automatic / manual membrane flushing cycles.
- **Pure TDS (Pure ppm)**
Purified water TDS on the right readout — confirms RO performance.
- **Filter life T1–T4**
Four segmented bars indicate remaining life of each filter stage.
- **Data & WiFi icons**
Cumulative volume, working hours and connectivity status.



Cabinet open — PP / ACFS / RO / RO cartridges

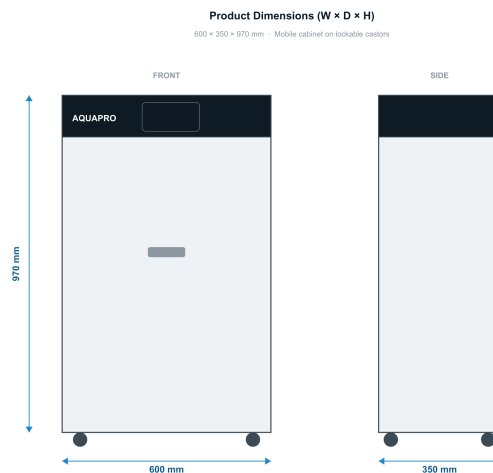


TECHNICAL SPECIFICATIONS

Full Specification Table

PARAMETER	SPECIFICATION
Product name	Water Purifier (Reverse Osmosis Cabinet)
Model	FTP-RO-2400G-CAB
Filter configuration	PP + ACFS + RO + RO (4-stage)
Filter elements supplied	PP x1, ACFS x1, RO x2 (4 pcs total)
Water capacity	2400 GPD (gallons per day)
Net water flow	6.3 L/min
Rated voltage / frequency	220–240 V~ / 50/60 Hz
Rated power	288 W
Inlet water pressure	0.1–0.4 MPa
Working pressure	0.4–0.8 MPa
Inlet water temperature	5–38 °C
Ambient temperature	4–40 °C
Source water quality	Municipal tap water
TDS adjustment	Manual front regulating valve (raises / lowers output TDS)
Product dimensions (WxDxH)	600 × 350 × 970 mm
Enclosure	Lockable steel cabinet, cooling fan, 4 castors
Water connections	Raw inlet, clean outlet, pure outlet, waste outlet
Warranty	1 year (excluding filter elements)

DIMENSIONS



INSTALLATION & OPERATION

Installation Requirements

- ✓ **Water source** Municipal tap water meeting local standards; inlet pressure 0.1–0.4 MPa.
- ✓ **Low-pressure sites** Below 0.1 MPa, fit a booster pump (0.2–0.3 MPa rated).
- ✓ **High-pressure sites** Above 0.4 MPa, fit a pressure-reducing valve (set to 0.2–0.3 MPa).
- ✓ **Power** 230 V~ fixed socket within 1 m; indoor, dry, well-ventilated location.
- ✓ **Environment** Keep above 0°C and out of direct sunlight; allow ~20 cm clearance for service.
- ✓ **Connections** 1/2" feed & pure-water lines; 3/8" wastewater line; flush 5–10 min before first use.

IN THE BOX

- Water purifier cabinet unit
- PP filter element × 1
- ACFS filter element × 1
- RO filter element × 2
- Power cord
- Instruction manual

WARRANTY

One-year warranty on the product (filter elements excluded).

Not covered: incorrect installation or misuse, unauthorised disassembly or repair, force majeure (earthquake, fire, etc.), abnormal operating conditions, and use outside the stated specification.

TROUBLESHOOTING (QUICK REFERENCE)

Problem	Likely cause	Action
Low clean-water output	Filter clogged; inlet valve not fully open	Rinse/replace filter; open inlet valve fully
Purified water has odour	Filter element expired	Replace filter; rinse new element 5–10 min
Won't shut down at faucet-off	Long idle (>3 days)	Open faucet, rinse 5–10 min
Water leakage	Loose / damaged components	Contact service technician
Noisy operation	Low inlet pressure; cabinet resonance	Restore normal pressure; check mounting

For full installation, maintenance and safety instructions, refer to the supplied product manual. Maintenance and repairs must be carried out by qualified personnel.

FILTER STAGES & MAINTENANCE

Filtration Stages & Replacement

Stage	Filter Type	Function
Stage 1	PP Sediment Filter	Removes rust, sand & suspended particles
Stage 2	ACFS Activated Carbon	Removes chlorine, odour & organic matter
Stage 3	RO Membrane 1	Rejects dissolved salts, heavy metals & microorganisms
Stage 4	RO Membrane 2	Second-pass polishing for high-purity output

FILTER REPLACEMENT SCHEDULE

Filter Stage	Filter Type	Recommended Replacement
Stage 1	PP Sediment Filter	Every 6–12 months
Stage 2	ACFS Activated Carbon	Every 6–12 months
Stage 3	RO Membrane 1	Every 12–24 months
Stage 4	RO Membrane 2	Every 12–24 months

Replacement intervals are indicative and depend on feed-water quality and daily usage.

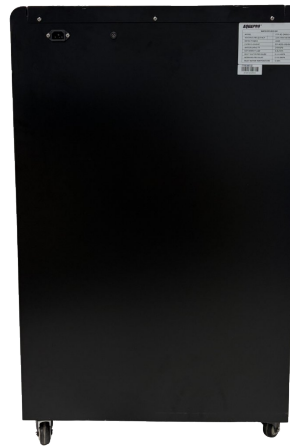
PRODUCT VIEWS



Side profile



Ports, fan & TDS valve



Rear & nameplate



Protective dust cover