

1000 LPH Reverse Osmosis - Commissioning Checklist (1-

Scope: Practical steps to commission a 1000 LPH RO skid (2×4040 BWRO) safely and record baseline data. Use real water analysis to validate flux, pressure and scaling indices.

Pre-start: electrical wiring & motor rotation OK; no leaks; valve positions verified; instruments calibrated; pre-filter 5 µm installed; residual chlorine < 0.1 ppm; SDI < 5.

Start-up: flush to clear; ramp HP pump; set concentrate backpressure to target recovery; check permeate conductivity and flow stability; inspect for vibration/noise.

Baseline log (record at ≥ 25 °C or log temperature): Feed/Permeate/Concentrate flows, Pressures (Feed/RO/Concentrate), Conductivities, Temperature, Recovery, pH, ΔP .

Acceptance: Permeate ≥ 1000 LPH at designed pressure; recovery within recommended range for feed TDS; no leaks; interlocks & alarms proven. Leave a printed copy in the panel.

Links:

Product page: <https://stark-water.com/product/1000l-reverse-osmosis-system/>

Full guide: 1000 LPH RO specs & sizing: <https://stark-water.com/1000-lph-ro-system-specs-sizing/>

Membrane category: <https://stark-water.com/product-category/water-treatment-accessories/membrane/>

Commissioning Log (fill in on site)

Date/Operator: _____ Water source: _____ Temp (°C): _____

Feed Conductivity (µS/cm): _____ Permeate (µS/cm): _____ Concentrate (µS/cm): _____

Flows (L/h): Feed _____ Permeate _____ Concentrate _____ Recovery % _____

Pressures (bar): Feed _____ RO _____ Concentrate _____ ΔP _____

Pre-filter ΔP (bar): _____ Residual chlorine (ppm): _____ SDI: _____ pH: _____

Alarms/interlocks tested: ☐Low-pressure ☐High-pressure ☐Tank level ☐Pump overload Result: _____

Notes/Actions: _____