

VENDOR CATALOG / AXEON

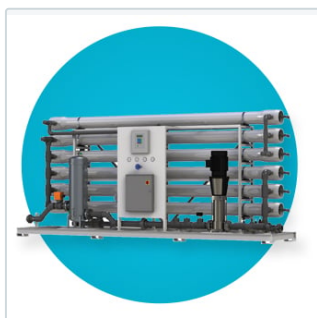
AXEON Catalog

RO systems (tap, brackish, seawater), cartridge and media filtration, water softening, deionization/EDI, UV sterilization, and chemical injection – real model series and capacity ranges.

REVERSE OSMOSIS SYSTEMS

Tap, Brackish & Seawater RO

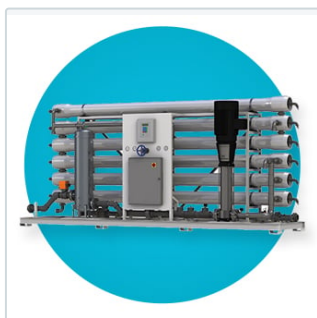
Sixteen tap-water RO series alone, spanning 50 GPD (Solo-Series) to 570,000 GPD (X1-Series) – capacity is the real spec axis, not a one-size RO skid.



Tap Water RO: Solo · RF · L1 · LP · HT · AT · HYDRO RO · LC · JT · NL-PRO · N · T · R1 · M1 · X1

50 GPD to 570,000 GPD · fiberglass or powder-coated steel frames, stainless steel booster pumps on larger series

X1-Series scales to municipal/industrial process water production; Solo/RF-Series serve point-of-use and light-commercial demand.



Brackish Water RO: X2 · M2 · R2

12,000–182,000 GPD · fiberglass housings, stainless steel ports and multi-stage pumps

Engineered for elevated-TDS feed water beyond standard municipal supply.



Sea Water RO: X3-Series

8,000–40,000 GPD · duplex stainless steel axial piston pump, FRP housings

High-pressure architecture purpose-built for full-strength seawater desalination duty.

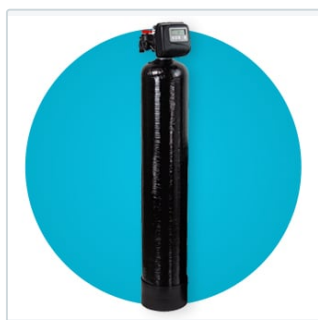
CARTRIDGE FILTRATION

FST & FSD Series Housings

Single (FST, up to 15 GPM) and multi-stage (FSD, up to 30 GPM) cartridge housings in 10" and 20" lengths — see the dedicated LibertyCES guide for full sizing methodology.

MEDIA FILTRATION

Six Real Media Types



AC (activated coconut shell carbon) · CC (catalytic carbon) · ZE (zeolite, down to 5 micron) · Upflow Granulated Carbon (NSF/ANSI certified) · Katalox (iron treatment) · Upflow Calcite

Media type is matched to the contaminant, not treated as interchangeable — catalytic carbon targets different chemistry than zeolite or calcite, and specifying the wrong media type is a common source of "the filter isn't working" service calls that are actually a media-selection problem.

WATER SOFTENING

Clack & Fleck Control Valve Softeners



Clack WS & TS Series · Fleck Single & Twin Series

Fiberglass tank construction

Twin-tank (TS/Fleck Twin) configurations maintain continuous soft-water delivery through regeneration cycles — single-tank designs go offline or bypass raw water during regeneration.

DEIONIZATION & EDI

Down Flow DI, CEDI & EDI-Series



Down Flow DI (Single-Bed / Mixed-Bed) · Continuous EDI (CEDI) · EDI-Series

Patented Excellion membrane, aluminum skid, up to 7 GPM

EDI eliminates the acid/caustic regeneration chemicals a conventional DI system requires — the chemical-free vs. chemical-regenerated tradeoff is the real decision point between these three technologies, not just resin type.

UV STERILIZATION

S2Q-PA to SHF – 1 to 290 GPM



S2Q-PA (1-3.5 GPM) · VH410 (5-18 GPM) · PR050 (10-30 GPM) · K+ (45-80 GPM) · SHF (up to 290 GPM)

Stainless steel chamber across the full range

Five models scale from point-of-use to full-plant flow – sizing by peak flow, not average flow, is the same principle that governs cartridge filter housing sizing.

CHEMICAL INJECTION

XP-Series Metering Pumps



XP-Series – Peristaltic, Corrosion-Proof

4-30 GPD · rated to 104°F (40°C)

Peristaltic architecture keeps the injected chemical out of contact with any seal or valve – the same wetted-path advantage that makes peristaltic pumps the default choice for antiscalant and other RO pre-treatment dosing.

NEXT STEP

Send LibertyCES the process data, not a part number.

RO, filtration, softening, deionization, UV, and chemical injection – real AXEON model series across the water treatment train, but your actual application still has a specific feed-water chemistry, production target, and duty cycle that determines the correct configuration.

Feed water characteristics, production target (GPD/GPM), current equipment, and site constraints – that's what a real spec review needs to start.

Request a spec review

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