



Cochrane® FilterX Condensate Polisher

Cochrane® FilterX Condensate Polisher Features

- Industrial grade high-temperature ion exchange softener (Cochranex® CRV resin)
- Removes dissolved hardness and suspended corrosion products from condensate up to 300°F.
- Compact, high-flow design
- Fully integrated system with vessel, media, piping and instrumentation pre-wired and pre-tested
- Rated for continuous or intermittent duty
- Automatically regenerated based on manual, time or metered flow demand



Cochrane® FilterX Condensate Polisher Design Advantages

- **Designed for treating high temperature condensate** to produce high-pressure boiler feedwater quality
- Systems come fully **factory tested** at the **COCHRANE®** manufacturing facility
- Systems are fully pre-engineered for **quality assurance** and **fast delivery**



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Cochrane® FilterX Condensate Polisher

For Use on High-Temperature Condensate Applications

Included Components

- 100-psig rated carbon steel with epoxy coating (up to 250°F, unlined 304 stainless vessel for higher temperatures) with top dome manway and side-shell hand hole accessways
- 30-inches of industrial grade macroporous-type strong acid cation softening resin (Cochranex® CRV resin, highly crosslinked, >95% sphericity, 1.6 uniformity coefficient) with gravel subfill
- Lug-style pneumatically actuated butterfly valves with stainless steel disc & stem, EPDM seat, steel body and two-way NEMA 4 UL certified 24V solenoid
- Paddlewheel-style flowmeter with 316 stainless steel body (> 100 psig rated up to 300°F), stainless steel rotor and pin, UL certified
- Schedule 10 304 stainless steel piping, eductor, upper flow distributor and underdrain collector (separate brine distributor on 60-inch polisher)
- Feed and discharge pressure gauges (2.5" dial, stainless case, glycerin filled)
- Manual stainless-steel vessel drain and vent ball valves
- Self-supported face piping
- FRP tank-based brine saturator complete with gravel bed, underdrain lateral, automated fill valve and level switch controls

Model Code	Rating (gpm)	Inlet Size	Tank OD	Tank SS	Resin Volume (ft3)	Capacity (Kilograins)
CXFX-30	195	3"	2'-6"	5'-0"	12.3	250
CXFX-36	280	4"	3'-0"	5'-0"	17.7	365
CXFX-42	380	6"	3'-6"	5'-0"	24.1	495
CXFX-48	500	6"	4'-0"	5'-0"	31.4	645
CXFX-54	630	6"	4'-6"	5'-0"	39.8	820
CXFX-60	785	6"	5'-0"	5'-0"	49.1	1000

Note: Capacity is based on regeneration with 15 lbs. salt per ft³ of resin

Options Available

- Epoxy coated steel skid for multiple units
- ASME code stamped vessels
- Manually operated design
- Brine centrifugal pump with titanium wetted parts
- Substitution of flowmeter for magnetic type flowmeter
- Differential pressure switch
- Seismic zone rated
- PLC based control panel with touchscreen and ethernet communication capability



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