



STRONG ACID CATION (SAC) SOFTENER

(2) Systems Available

Location: 15342 Valencia Avenue, Fontana, CA 92335

Specifications Below

## PRIMARY UNIT

- One (1) 120" diameter softener vessel, 96" side shell, ASME designed and stamped for 125 PSIG at 200 degree F.
- One (1) 8" #150 double flanged inlet nozzle, one (1) 24" bottom manway with 6" #150 outlet welded to elbow which is welded to manway.
- One (1) 18" top ring type manway.
- One (1) 4" #150 flanged nozzle welded to top head.
- One (1) 3" #150 flanged nozzle welded to side shell.
- One (1) 2" #150 flanged nozzle welded to top head.
- Two (2) #10,000 lift lugs.
- Two (2) 316SS header clips.
- 1 lot 316SS lateral support bar clips.
- Four (4) pipe support clips.
- Four (4) structural legs with base plates.
- Seismic 4 design.
- Interior lined with Environline 405HT.
- Exterior painted with Carbozinc 11HS primer, Carboguard 890 intermediate coat and Carbothane 134HG Desert Tan #0217 top coat.
- Primary Inlet Distributor 8" sch 10 316SS header with six (6) 3" sch 10 laterals including 316SS hardware Buna-N gasket.
- Primary Regenerate Distributor 4" sch 40 316SS header with eighteen (18) 1-1/4" sch 40 laterals drilled pipe, unscreened, including 316SS lateral support angle, 316SS hardware Buna-N gasket.
- Primary Outlet Distributor 10" sch 40 316SS hub with twenty-four (24) 1-1/4" sch 40 laterals, drilled pipe with well screen, including 316SS lateral support rings, 316SS hardware Buna-N gasket.

## SECONDARY OR POLISHER UNIT

- One (1) 84" diameter polisher softener vessel, 84" side shell, ASME designed and stamped for 125 PSIG at 200 degree F.
- One (1) 8" #150 double flanged inlet nozzle.
- One (1) 24" manway with 6" #150 outlet welded to elbow which is welded to manway.
- One (1) 18" top ring type manway.
- One (1) 4" #150 flanged nozzle welded to top head.
- One (1) 3" #150 flanged nozzle welded to side shell.
- One (1) 2" #150 flanged nozzle welded to top head.
- Two (2) #10,000 lift lugs.
- Two (2) 316SS header clips.
- 1 lot 316SS lateral support bar clips.
- Four (4) pipe support clips.
- Four (4) structural legs with base plates.
- Seismic 4 design.
- Interior lined with Environline 405HT.
- Exterior painted with Carbozinc 11HS primer, Carboguard 890 intermediate coat and Carbothane 134HG Desert Tan #0217 top coat.

- Inlet Distributor 6" sch 10 316SS header with six (6) 3" sch 10 laterals including 316SS hardware Buna-N gasket.
- Regenerate Distributor 4" sch 40 316SS header with eighteen (18) 1-1/4" sch 40 laterals, drilled pipe with well screen, including 316SS lateral support angle, 316SS hardware Buna-N gasket.
- Outlet Distributor 10" sch 40 316SS hub with sixteen (16) 1-1/4" sch 40 laterals, drilled pipe with well screen, including 316SS lateral support rings, 316SS hardware Buna-N gasket.

## **MANIFOLDING**

- One lot butt welded carbon steel piping unlined, painted same as vessel exterior, Jamesbury 915L Series High Performance valves with pneumatic operators, inlet/outlet gauges, thermal relief valve and air release valve.

## **AUTOMATION**

- One lot tubing and wiring for pneumatic valves and NEMA 4X solenoid enclosure.

## **MISCELLANEOUS INCLUDED**

- Access Platform and ladder, carbon steel construction painted same as vessel exterior.
- Cameron Turbine meter for inlet in lieu of Endress Hauser mag meter.
- Top Manway, 24" with safety harness lug.
- Design vessels for full vacuum.
- Rosemount DPIT transmitters.