



Portable SX Plant 2

SX Kinetics designed and manufactured this modular solvent extraction plant for the removal of chromium from electro plating wastewater.



Project: sxk-33

Client: Versitile Industries / Battelle

Location: Layton, Utah, USA

Stages: 6

Capacity: 132 L/min (org + Aq)

Recycle: optional organic or aqueous

Items Provided:

- Mixer-settlers with covers, coalescing baffle, and adjustable aqueous weir
- High efficiency SX impellers coupled to in-line speed reducers and TEFC motors
- Coalescer with multiple layers of coalescer media for removal of entrainment.
- Organic surge tank with aqueous coalescer baffle and LED aqueous indicator
- Exhaust header connected to each vessel for removal of organic vapours
- Feed and transfer tanks with magnetic drive pumps and calibration tubes
- Process control components to include level and flow transmitters
- Electrical components to include emergency stop contactor
- Completely assembled inside modular frames and tested prior to shipment

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