

# Multi-Stage Process Washer



- **Heavy Duty Construction**
- **Easy to Install**
- **All Multi-stage Process Washers Built to Specific Requirements**

Col-Met's washer systems have been designed in conjunction with chemical suppliers to assure they meet the standards associated with the latest in chemical pretreatment technology. Together, we have designed our washers around minimizing maintenance and increasing machine life. They are complete with the necessary stiffeners and structure support for the conveyor. A sloped roof design allows condensed water to run down the side walls and away from any parts.

Our skilled engineers will design a conveyor pass-through system specific to your needs, taking into consideration the size of the parts and the time allotted for the parts to pass through the washer.



## Washer Features

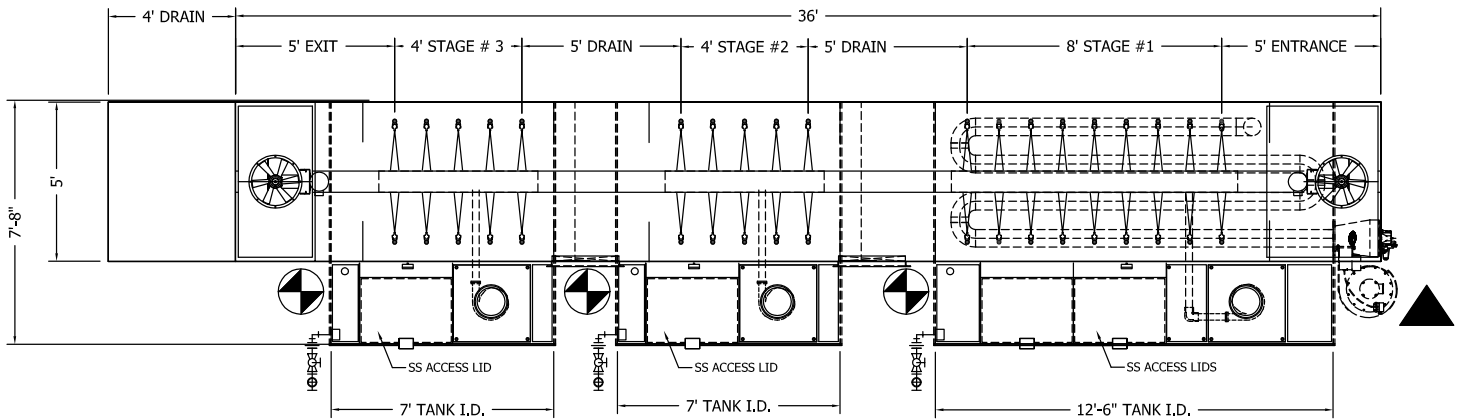
- >> **Top Lift-Out Solution Pumps** Col-Met's process washers are designed with solution pumps that are top lift-out, vertical mount pumps with a semi-open impeller. The "C" Face motor eliminates any field coupling and alignment problems and provides easy maintenance. A heavy cast frame supports bearing completely above the tank. Agreeable bearings are protected from fluid and vapors by cover plate and vapor seal.
- >> **Structural Steel Reinforcement** Reinforced by a continuous pitched grill under the washer tank and angle stiffeners inside the tank walls. Stainless steel 2" x 2" x 1/4" support angles frame all tank lids and pump plates.
- >> **Tank Burner System** Fitted to your needs, each process washer will utilize an Eclipse Imerso-Jet heater. This system is a nozzle-mix tube-firing burner designed to fire at high velocities through small-diameter schedule 10 stainless steel serpentine immersion tubes. The combustion gases from the burner scrub the inner tube surface and produce high heat transfer rates. These features allow for system efficiencies of 75% to 80%.
- >> **Tank Turn Rating** 3 to 1 minimum
- >> **All Pump Motors** VFD (Variable Frequency Drive) to better control the nozzle pressure
- >> **Stages** Manufactured with water level control to maintain acceptable quality in the recirculated solution
- >> **Low Water Safety Switch** Installed on all heated stages to protect the burner tube
- >> **Meets Quality Performance Standards** Washers manufactured by Col-Met meet and/or exceed all applicable OSHA and NFPA regulations



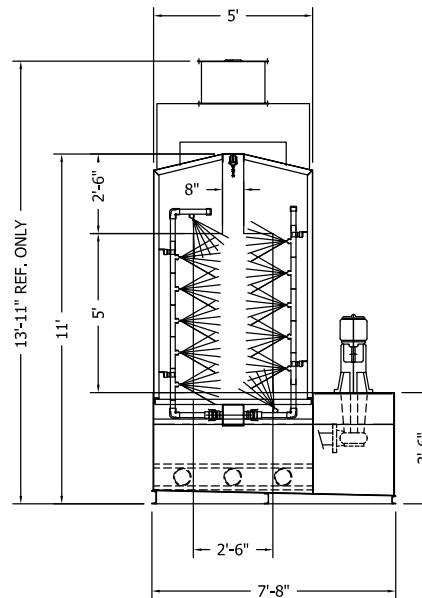
## Options

- >> Counter Flow Piping
- >> Flow Meters
- >> Oil Skimmers
- >> Blow-off Fans
- >> Misting risers
- >> Bag Filters
- >> Chemical Feed Equipment
- >> Insulated tanks

# Multi-Stage Process Washer



Plan view



Exit View

