

304 Stainless Steel 5 Stage Washer

Part Opening 5' wide x 6' high (could be expanded an additional 1' in height)
Overall Dimensions 121" wide x 154" to the top of the conveyor rail
Conveyor slot is 18" from the top of the rail to the opening
Length: 5' approach w/ 120" tank 127" corner vestibule sloped to run back to the first and second stage
The tank dimensions are 40" off the floor 120" wide and 120" Long = 2493 gallon capacity

Stage #1 Cleaner

Pumps 20 HP Vertical Pumps 480 - 3- 60 TEFC
Risers 18 risers with nozzles 1' on center 6 nozzles per riser estimating 350 GPM = 108 nozzles
Exhaust 18" tube axial exhaust fan 2 HP 480-3-60 4670 CFM
Burner/Heat tubes 6" stainless steel burner tubes with Maxon tube-o-therm burner. 2-million BTU's @ 2# of natural gas.
Manifold 8" exterior Manifold of the discharge of the Pump Feeding the risers

Stage #2 Rinse

Non-Heated Length: 84" tank with a 60" run back .
The tank dimensions are 40" off the floor 120" wide and 84" Long = 1748 gallon capacity
Manifold 6" exterior Manifold of the discharge of the Pump Feeding the risers
Risers 12 risers with nozzles 1' on center 6 nozzles per riser estimating 216 GPM = 72 nozzles
Pumps 7.5 HP Vertical Pumps 480 - 3- 60 TEFC

Stage #3 Phosphate

Heated Length: 84" tank with a 60" run back .
Pumps 7.5 HP Vertical Pumps 480 - 3- 60 TEFC
Risers 12 risers with nozzles 1' on center 6 nozzles per riser estimating 216 GPM = 72 nozzles
Burner/Heat tubes 6" stainless steel burner tubes with a Eclipse Emersa Jet burner. 1-million BTU's @ 2# of natural gas.
Manifold 6" exterior Manifold on the discharge of the Pump Feeding the risers

Stage #4 Rinse

Non-Heated Length: 60" tank with a 48" run back .
The tank dimensions are 40" off the floor 120" wide and 60" Long = 1246 gallon capacity
Manifold 6" exterior Manifold of the discharge of the Pump Feeding the risers
Risers 8 risers with nozzles 1' on center 6 nozzles per riser estimating 144 GPM = 48 nozzles
Pumps 5 HP Vertical Pumps 480 - 3- 60 TEFC
Manifold 6" exterior Manifold on the discharge of the Pump Feeding the risers

Stage #5 Sealer

Non-Heated Length: 60" tank with a 48" run back .
The tank dimensions are 40" off the floor 120" wide and 60" Long = 1246 gallon capacity
Manifold 6" exterior Manifold of the discharge of the Pump Feeding the risers
Risers 8 risers with nozzles 1' on center 6 nozzles per riser estimating 144 GPM = 48 nozzles
Pumps 5 HP Vertical Pumps 480 - 3- 60 TEFC
Manifold 6" exterior Manifold on the discharge of the Pump Feeding the risers
Exhaust 18" tube axial exhaust fan 2 HP 480-3-60 4670 CFM

Note : The overall footprint as it sets now is: 28'11 1/2"x 70' 1/2"

Dryer Specifications

Dimensions 12'H x 33'2" long x 13'5"wide
Recirculating Blower 30" 7.5 HP 20,000 CFM 480-3-60
Exhaust Blower BC 2 HP 1000 CFM 480-3-60
Burner Maxon 415 Oven Pack 1500,000 BTU w/osha gas manifold
Wall Construction 6" 500 degree rating
Arrangement Mounted under the Cure oven
Controls Systems wide Panel View PLC control

Cure Oven Specifications

Dimensions 12'H x 54' long x 13'5"wide
Recirculating Blower 36" 30 HP 40,000 CFM 480-3-60
Exhaust Blower BCC 2 HP 1500 CFM 480-3-60
Burner Maxon 435 Oven Pack 3500,000 BTU w/osha gas manifold
Wall Construction 6" 500 degree rating
Arrangement Mounted on a platform above the dry off oven
the conveyor drives a double pass giving approximately
120' of exposure giving 24 minutes of cure time @5'Per Minute.

Powder Booth Specifications

(2) Nordson Powder Booths

Dimensions Approximately 30' long x 8' high
Automatic 12 Each Automatic Nordson Articulating Guns
Manual 2 (Each) Manual Stations with Guns.
Cartridge Filter Quick change cartridge filter systems
Reclaim Powder Recovery System