



CINCINNATI

INDUSTRIAL MACHINERY

Industrial Series Drum Washer

Rotary Drum type washers utilize a gentle tumbling action to thoroughly clean and drain irregularly shaped parts that tend to trap fluids. This system is also used for small or intricate parts which are difficult to hold. Rotary drum washers permit batch or continuous processing of a variety of parts at medium to high volume production rates. They can be arranged for in-line production processing or to discharge parts onto a return conveyor as an integral part of a system.

Enduring Construction

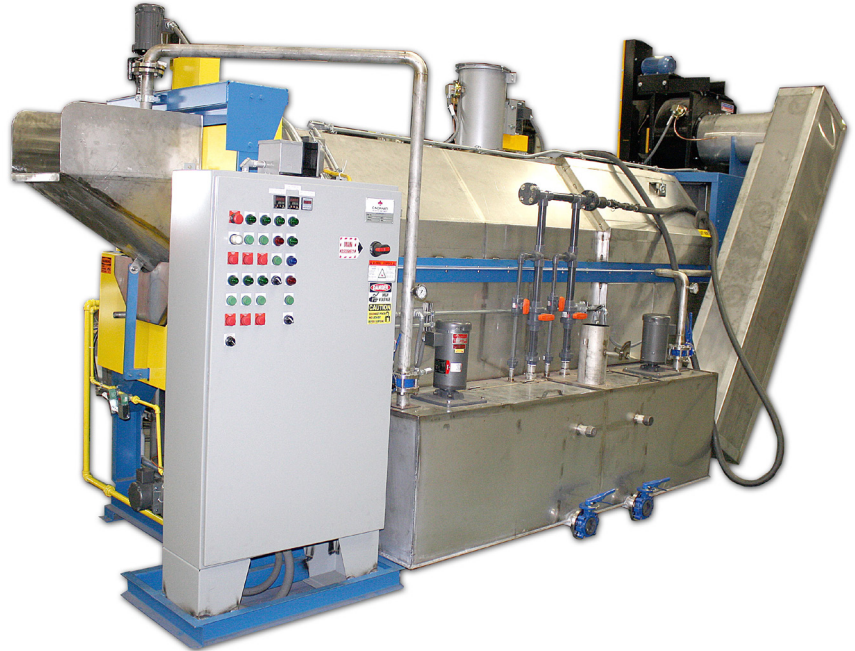
- Stainless steel machine fabrication
- Double welded, water tight tanks
- Epoxy coated tube-axial exhaust fan
- Industrial vertical close-coupled pumps
- Bag filter/stage
- Stainless steel drum and helix
- Heavy duty trunnions, running bands, and sprocket
- Stainless steel spray and pump piping
- CPVC water inlet piping, single point connection

Easy Maintenance

- Ethernet capable
- Automatic water fill
- Bolt-On top panels for drum access/replacement
- All lubrication points easily accessible
- Stainless steel round marine doors (single bolt)
- No belts/sheaves on fan drives
- Lift-off tank access lid with stainless steel pump screen
- Lifting lugs for machine mobility

Operator Friendly

- PLC control
- Color display HMI
- Variable speed conveyor controller
- Variable speed pump controllers



- Variable speed fan controllers
- Easy read gauges
- Programmed preheat-up of tanks

Elite Finish

- Stainless steel finish
- Painted control panel
- All guarding painted safety yellow

Environmentally Conscious & Safety Minded

- Insulated blow-off heating chamber
- Premium efficiency motors
- Variable speed drive controllers
- Energy conservation mode
- Machine warning labels
- Load and unload E-stops
- Mechanically guarded drive components
- Ergonomic design
- High temperature cut-off switch in blow-off
- Low solution level cut-off switches

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A Subsidiary of The Armor Group, Inc.



Specifications

	Model ISD-24	Model ISD-30	Model ISD-42
Drum diameter	24"	30"	42"
Capacity at 2 RPM	14 cu. ft/hour	32 cu. ft/hour	71 cu. ft/hour
Process heating	Electric	Electric	Natural gas
Wash pump	75 GPM @ 17 PSI	100 GPM @ 17 PSI	150 GPM @ 17 PSI
Wash temp	130°F	130°F	130°F
Wash filtration	50 micron bag	50 micron bag	50 micron bag
Rinse pump	50 GPM @ 17 PSI	70 GPM @ 17 PSI	100 GPM @ 17 PSI
Rinse temp	130°F	130°F	~110°F (flue extension from wash)
Filtration	25 micron bag	25 micron bag	25 micron bag
Blow-off fan	1800 CFM @ 6" SP	2250 CFM @ 6" SP	3000 CFM @ 6" SP
Blow-off temp	180°F	180°F	180°F
Approx. Overall Dimensions	15'L x 7'7"W x 8'6"H	17'9"L x 8'1"W x 9'2"H	23'3"L x 9'7"W x 10'5"H
Chute load height	60"	72"	84"
Drum discharge height	39"	42"	42"
Approx. shipping weight	10,000 lbs.	12,000 lbs.	14,500 lbs.
Utility Connections & Estimated Consumption*:			
Electric	480/3/60, 145 FLA 200 Amp disconnect 200 Amp service	480/3/60, 202 FLA 250 Amp disconnect 400 Amp service	480/3/60, 45 FLA 60 Amp disconnect 60 Amp service
Natural Gas	Not applicable	Optional	1-1/2", (1) connection; Total 1200 cu. ft/hr max burner usage
Water - initial fill	1-1/2", 470 gal	1-1/2", 655 gal	1-1/2", 1300 gal
Water - consumption	4-6 gallons/hour	6-9 gallons/hour	9-12 gallons/hour
Drain	2"	2"	3"
Exhaust - machine	12" dia., 1150 CFM	12" dia., 1250 CFM	15" dia., 2200 CFM
Exhaust - gas flue	Not applicable	6" dia. with option	6" dia. (1) connection

- ***Note:** Utility consumption rates are estimates only and will depend on many variables such as types and quantity of soils, part configurations and materials, production rate, temperatures, options purchased, etc.
- All specifications are subject to change with design improvement without notice.

Available Options

- Custom Designs
- Enclosed track closed loop monorail
- Tank wall insulation
- Belt type oil skimmer
- High volume oil removal
- Drain valves
- Manifold drain connections
- Removable chip basket
- Stainless steel pumps
- Stainless steel bag filters
- Housing door electric interlocks
- Machine status indication via 3-light stack light