



INSTA-CLEAN

***Industrial Parts Washers
Since 1977***

Model CM-24

Modular Conveyor Belt Washer



***True Modular Design
With Adjustable Cleaning Height
Top Quality***

Insta-Clean's true modular CM cleaning system with it's patent pending adjustable height spray manifolds and air knives, makes selecting your belt conveyor washing system easy.

Modular The CM-24 is a true modular system. Each CM system module is a perfect match ready to bolt to the next unit. Each end of every CM unit has a thick mating plate, laser cut for precision. The CM system mating plates allow you to choose the number of stages, and add or remove a module at any time.

Universal All CM-24 Wash/Rinse Modules are built with the same specifications, H.P., heating, controls, and size. Each CM-24 module can be designated for use as a Wash, Rinse, Phosphate, or Inhibitor. All CM-24 modules are pre fitted and pre-wired to accept accessories at anytime. We call it Plug & Play.

Cleaning Capacity This is where the magic starts, great performance at any cleaning height between 2" and 15"! The top spray manifold is easily adjusted up or down from the outside of the CM-24 and the CMB-24 blow off. The belt width is 24" giving this system a wide working platform.

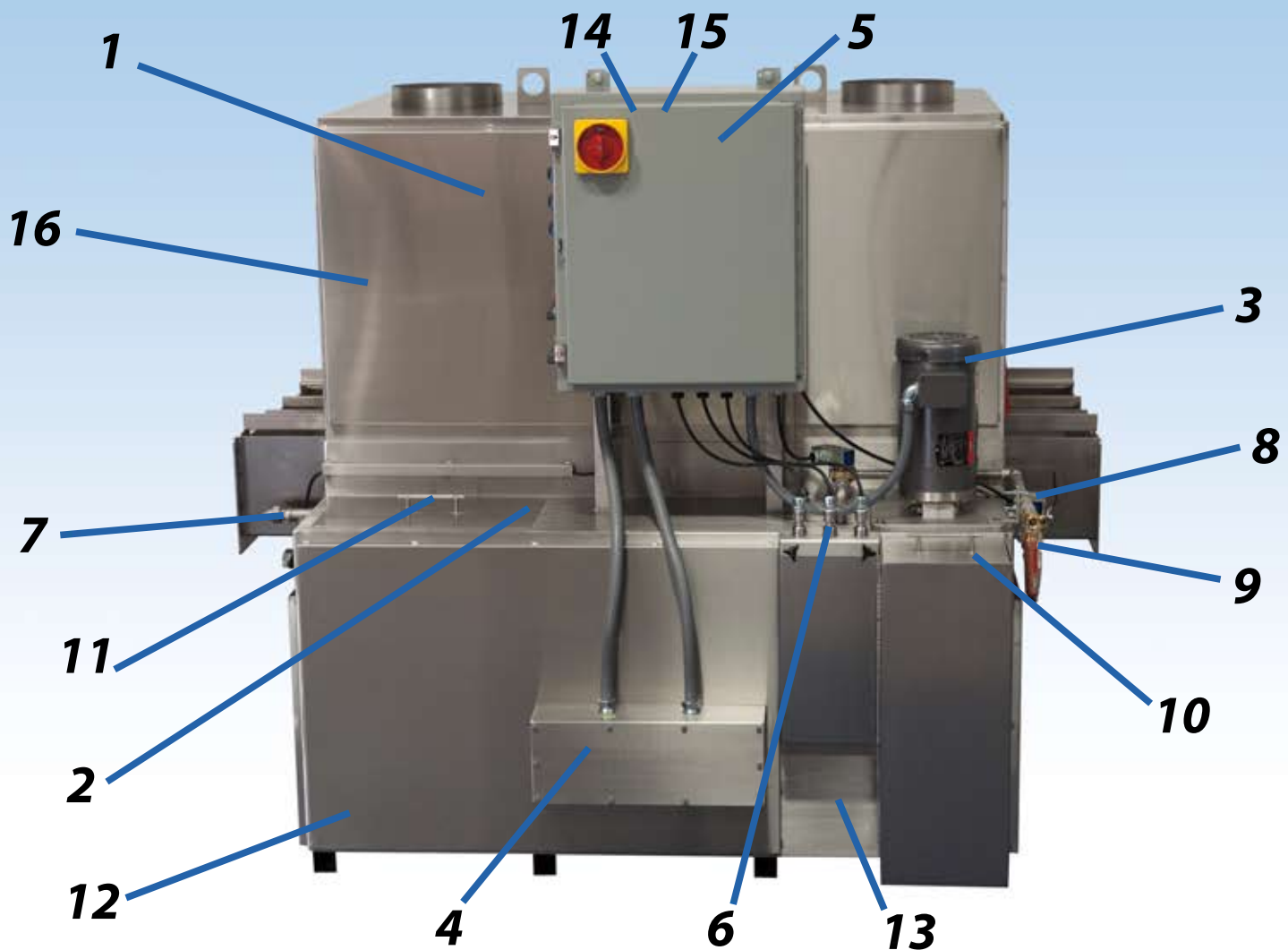
Performance Plus There is no lack of pressure with our 5-H.P. stainless steel vertical seal-less pump. The lower spray manifold has an easily accessible flow control valve, this allows you to regulate pressure from the bottom spray for those lighter parts. You have complete control of the spray action.

Features Plus Our standard CM-24 has all the features and upgrades that most of our competitors offer as an option. Construction is 99.9% Stainless Steel, interior and exterior, plumbing, pump, shafts, and sprockets. Heavy duty C1 flat wire stainless steel conveyor belt. Low water heater cut off control. Auto Fill/Level control. Insulated slanted floor bottom with sump cleanout area. Insulated reservoir and tunnels. Control panel power disconnect with lock out. All four heaters have separate controls. Heat time clock. All function controls are 24 volt. Emergency stop on both ends. Color coded wiring.

Durability The stainless steel construction of the CM modules insures longevity and will retain their value for many years. Heavy duty industrial controls are used on CM systems. All TIG welded construction.

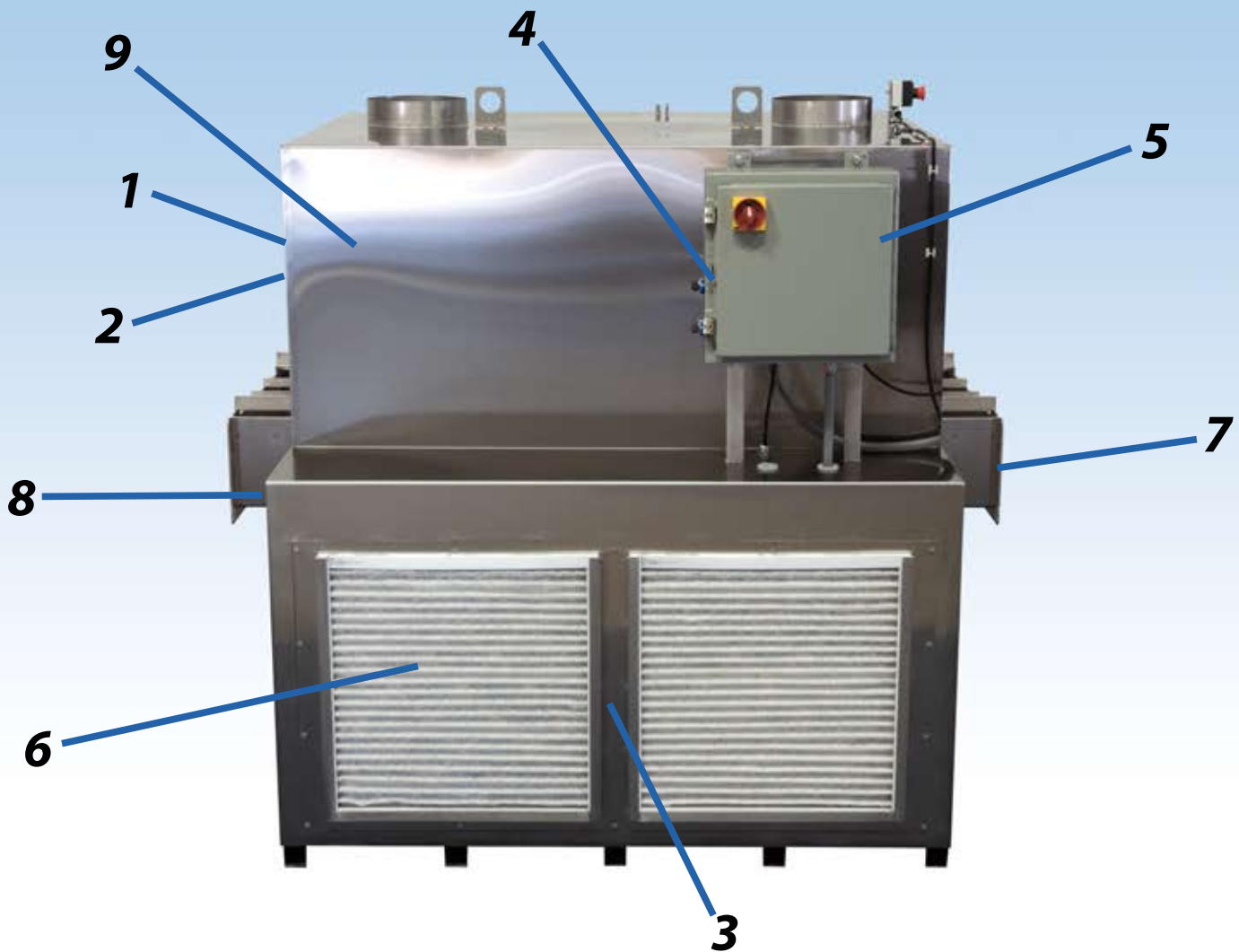
Serviceability Changing and cleaning out the reservoir is quick and efficient with our slanted floor design and large 2" drain port. Nozzles are stainless steel with quarter turn removable tips. Tunnel is easily removed by lifting straight up via lift rings mounted on top. All pumps and components are easily accessed.

Appearance The CM-24 and CMB-24 have a beautiful stainless steel brushed finish, an appearance that you will be proud to add to your facility



CM-24 Wash/Rinse Module Features

- 1. Adjustable top manifold, crank handle moves spray manifold up or down, height level indicator shows how many inches spray is from belt. Located on back.
- 2. Flow control valve on lower manifold to regulate spray pressure for light parts.
- 3. 5-H.P. Stainless Steel Seal-less Pump
- 4. (4) 12KW Incoloy individually controlled heating elements, total 48KW
- 5. Nema 12 Control Panel, power disconnect, 24 volt controls, digital thermostat, heat timer, motor protection, heater breakers, CM module to module integrated E-Stop, color coded wiring, prewired for cascade and final rinse.
- 6. Low water heater protection, auto fill/level, final rinse level discharge control. Floats are easily removed for cleaning.
- 7. Pre plumbed for cascade. No charge for cascade when two CM-24 units are ordered.
- 8. Pre plumbed for final rinse kit. Can be added to a CM-24 at any time.
- 9. Single location water hook up, ball valve, anti water hammer device.
- 10. Easy access stainless steel pump strainer.
- 11. Easy access clean out cover.
- 12. Slanted floor in reservoir, slants from 8" down to 4" leaving a sump area 8" X 48" X 4" deep for easy cleanout.
- 13. Insulated under sub floor. Tunnel and reservoir are insulated with 1" thick fiberglass encased in stainless steel panels.
- 14. Pre plumbed for our Vortex oil skimmer.
- 15. Pre plumbed for an external filter system and or an ultra filtration system.
- 16. Exterior is Stainless Steel #4 brushed finish.



CMB-24 Blow Off Module Features

- **1. Adjustable Top Air Knives, crank handle moves air knives up or down, height level indicator shows how many inches top air knives are from belt. Located on back.**
- **2. Five point blow off, 2 air knives on top, 1 from underneath with flow control, and 2 from the sides.**
- **3. Two 15-H.P. Regenerative Blowers**
- **4. Each blower controlled separately. One switch controls bottom and side and one switch controls top air knife.**
- **5. Nema 12 Control Panel, power disconnect, 24 volt controls, motor protection, CM module To module integrated E-Stop, color coded wiring.**
- **6. Closed cabinet around blower has 2 standard size filters 24" X 24", these are pre filters to extend the life of the blower filter.**
- **7. As with all CM system modules, the CMB-24 blow off module can be added at any time, and it is designed to connect mechanically and electrically in series to either end of any other CM unit.**
- **8. Lower air knife has a butterfly valve that allows you to regulate the air flow to the knife blowing upward giving you full control.**
- **9. Exterior is Stainless Steel #4 brushed finish.**

CM-Drive Package Features

One CM Drive Package is required to complete a system. One Drive Package can run up to 6 CM modules or stages. The drive end bolts onto the output end of the last stage in a system. The drive end includes, bolt on extension with bearings, shaft, 5 Stainless Steel belt sprockets, heavy duty 1/2 H.P. DC gear motor, variable speed controller 1-15 FPM, all brackets, torque limiting slip clutch, chain guard, and control panel. The control panel also houses all the E-Stop controls and E-Stop reset controls that integrates to all modules connected. The idle or input end has 4 stainless steel belt sprockets, shaft, bearings, and belt. When a system is ordered, the drive package will be installed at the factory. The drive end can be unbolted at any time and another stage added, and then bolt the drive back on. This is what makes the CM system "true modular".



CM-24 Wash/Rinse Adjustable Top Manifold "The Magic"

Insta-Clean's patent pending adjustable manifold gives peak performance no matter how short or tall your parts are. With V-Jet nozzles, the optimum impact distance from the objective is 2.5 to 3.5 inches. Other washers with a cleaning height of 15" give low performance on a part that is 1" tall. With our adjustable height top manifold, peak performance is always maintained. On the CM-24 the optimum nozzle distance is pre factored so when you set the height for the parts to be cleaned from 2" to 15", the nozzles are at the proper distance. Simply turn the crank handle located on the back side to the corresponding measurement on the gauge located on top of the tunnel.



Located conveniently under the clean out cover is a 1-1/4" full port ball valve. Now you have full control; set the manifold height, set the belt speed, and set the bottom spray pressure. Light weight parts will not get tossed around, higher pressure from the top spray and lower pressure from the bottom will keep them in place.

CMB-24 Blow Off Adjustable Air Knives

Insta-Clean's patent pending adjustable height top air knives will give you the same flexibility as you have with our CM-24. The CMB-24 has 5 air knives; 2 adjustable height air knives blowing down, one on each side, and one adjustable pressure air knife blowing up from underneath. It get's better, the CMB-24 has two 15 H.P. regenerative blowers, separately controlled top air knives and bottom, sides. Ultimate control over this system. Set the height, select top or bottom or both, adjust bottom pressure.



Butterfly air flow control valve.



Large tank access cover, directly over sump area of reservoir.



Easily removable float bank for maintenance.

Mating plates between two CM-24 modules.



Cascade loop and valve from rinse module on right going to wash module on left

Final rinse discharge valve.
(Included with final rinse option, which can be added anytime.)

Pump intake screen is easily removed for cleaning.



Fresh water hook up and hammer arrestor.



Fresh water shut-off ball valve.

Final rinse fresh water control valve. (Included with final rinse option.)

CM-24 Specification

Pump	Heat	Gallons	Voltage/Amp	Overall Dim.	Belt Width	Opening Height	Weight
5-H.P.	48,000 Watts	220	Std. 460-480V 58 Amp	76"L X 58"W X 57"H	24"	15"	1500 LBS Plus belt

CMB-24 Specification

Blower-1 Top	Blower-2 Side-Bottom	Voltage Amp	Air Flow	Top Air Knives	Side Air Knives	Bottom Knives	Overall Dim.	Belt Width	Opening Height	Weight
15-H.P.	15-H.P.	460-480V 18/36 Amp	1200 CFM 40WC	2	2	1	76"L X 60"W X 57"H	24"	15"	1500 LBS Plus belt

CM-Drive Specification

1/2- H.P. Gear Motor	Belt Speed 1-15 FPM	Weight 300LBS
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Optional Equipment

Vortex Oil Skimmer
Final Rinse Kit
Filtration Unit
Various Extensions
Incline exit conveyor



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