

ChemVac Bulk Material Handling Conveyor Model 40

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The new, cost-effective solution for your bulk material handling jobs is the Chem-Vac Model 40 conveyor—an industrial pneumatic conveyor for plastic pellets and other dry flowable products. At bulk terminals or in-plant, the Chem-Vac Model 40 can be put into service for filling or emptying gaylord boxes, hoppers, silos, bulk trucks, and even unloading rail cars.

Compact, Functional Design

The machine is compact to make it versatile for your facility. It's mounted on a 4-way fork-lift base for portability from one work site to another, or it can be permanently installed in one location. The machine cyclone rotates 360°, and the flexible stainless steel piping connects with camlock couplers, so set-up can be accomplished quickly by one person. The patented air filtration system and machine cyclone are easy to disassemble for inspection or cleaning. All other components are conveniently located for maintenance.

Capacity to Count on

Transfer rates vary from 15,000 to 40,000 pounds per hour of plastic pellets through 4-inch diameter conveying line, depending upon conveying distances. Vacuum and pressure gauges serve to monitor machine operation, and a high-temperature auto-shutdown switch provides extra protection for the product you are moving.

Versatile, Flexible



The Chem-Vac Model 40 can be equipped specifically for your material handling requirements. Contact components are available in stainless steel, the air filtration system can be configured for conveying plastic powders, the machine cyclone is available with a quick-release hatch for easier cleaning access, and discharge

options include a swivel loadout kit sized for filling gaylords boxes, bulk trucks, or other containers. The load-out kit also includes a quick-coupled lower elbow to allow removal without tools, making it simple to by-pass the kit with a direct pressure-fill connection.

Reliable Operation The Chem-Vac Model 40 is equipped for dependable, trouble-free performance. The positive displacement air pump is a heavy-duty industrial model with patented silencer to minimize noise levels. The airlock is cast iron with a relieved rotor, and made to be a high performance, low maintenance component.

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The Bulk Transfer Solution



Small in size but big in performance, versatility, and dependability—the Chem-Vac bulk conveyor is a machine you can count on for your material handling needs. It can handle a variety of jobs in more than one location. Fast, easy set-up, low maintenance design, and one-man operation make it a genuine time and labor saver.

Detailed Specifications

Maximum Conveying Rate Per Hour		15,000 – 40,000 lbs (18,144 kg)
Conveying Line Size		4 inch (102 mm)
Power		
Electric Motor – opt	xxxxxxxxxxxxxxxxxxxx	25 hp (21 kW) or 40 hp (33 kW)

Type, Phase, Frequency, Voltage (others available)	TEFC, 3 Phase, 60 Hz, 230 Volt
Control Panel – Y-Delta, NEMA 4 Enclosure with Start & Stop Buttons, Volt Meter, Hour Meter – opt	NEMA or IEC Rated Starter – opt
Air Pumps – Positive Displacement	
Quantity & Rating	1 @ 15 PSI Max
Relief Valve Protection	Vacuum / Pressure
Vacuum and Pressure Gauges	Liquid Filled, 4" diameter
High-Temp Shut-Down Control – opt	Adjustable Temperature Gauge – opt
Silencers	Heavy Duty Pressure
Airlock	
Capacity – cfr (cubic feet per revolution)	1.23 cfr
Type and Bearing Mount	Drop Through, Outboard Bearing
Housing and Endplate Construction	CI – std, CP – opt, SS – opt
Rotor	Open End w/ Beveled Rotor Blades – std, Closed End – opt
Rotor Construction	CS – std, SS – opt

Airlock Drive	Electric, 1.5 hp (1.5 kW) Chain Drive – std
Airlock Mixing Chamber	CS – std, 304 SS – opt
Air Filtration and Bulk Material Separation	
Machine Cyclone	CS – std, 304 SS – opt
Air Filtration System (AFS)	CS – std, 304 SS – opt
Vacuum Filter Canister w/Element – opt	CS – std, 304 SS – opt
Pressure Filter Canister w/Element – opt	CS – std, 304 SS – opt
High Temperature Filter Element – opt	> 200° F – opt
Gaylord Box Loading Kit (TLK) opt	CS – std, 304 SS – opt
Frame	
Design	4-way Forklift Access
Metal Preparation and Finish	Sandblasted / Polyurethane Paint
Dimensions in feet & inches (meters) - approximate	
Length – With Gaylord Box Loading Kit Extended	120" (3.1 m)
Width	70" (1.8 m)
Height	106" (2.7 m)

Weight – Approximate – Fully Equipped

_____ lbs (_____ kg)

X

Note: std=standard, opt=optional CI=Cast Iron, CP=Chrome Plated, CS=Carbon Steel, SS=Stainless Steel

Specifications, options, design and descriptions subject to change without notice.