



**HOFFMAN**



**LAMSON**

by Gardner Denver

SELF-CONTAINED VACUUM SYSTEMS

# T-VAC VACUUM SYSTEMS





## HOFFMAN & LAMSON T-VAC Vacuum Systems

Hoffman & Lamson is committed to providing the right vacuum system for any industrial situation, whether it is general housekeeping, pneumatic conveying, product reclamation or hazardous dust control. Our vacuum systems range from small, durable, portable vacuums to large, engineered central vacuum systems. Combining the expertise of Hoffman® and Lamson® has given us the experience and breadth of product to present a very substantial vacuum line. We also offer a variety of hose, tools and accessories to support any application from carpet cleaning to picking up metal shavings or broken glass.

In between small portable vacuums and large engineered systems, we offer T-Vac pre-engineered, self-contained vacuum systems. These rugged and versatile systems are designed for years of industrial service. Their compact size and options make them ideal for many industrial applications. T-Vacs are available as stationary and portable units. A typical T-Vac can give you a working vacuum radius of 50 feet; however, stationary units are commonly connected to SmoothFlow™ tubing, giving you the capability of covering a much larger work area. In fact, the 20 HP T-Vac is capable of handling up to eight operators at once.

For the quality, reliability, and performance you expect and your operation demands, you need  
HOFFMAN & LAMSON.

## T-VAC SEPARATOR

The T-Vac Separator is a highly efficient particle collection system that is two separators in one. Dirty air enters the bottom inlet and is immediately directed to a deflection plate. In this “primary” separator area, heavy matter is immediately removed from the air stream by changes in the particulate momentum and reductions in air velocity.

Finer particles move with the air stream to the secondary separator area where they are collected by fabric dust bags or more efficient cartridge filters. Our standard cotton sateen bags have low air to cloth ratios and can handle volumes of debris without clogging or overloading. The uniquely designed combination of primary and secondary separators extends bag life as much as possible.



ELEVATED T-VAC  
FOR LARGE HOPPERS

## T-VAC EXHAUSTER

At the heart of the T-Vac is a very special vacuum producer. Vacuum is produced by a durable multistage centrifugal exhauster that is directly driven by a standard 3600 rpm motor. Competitors often belt-drive vacuum producers to get the performance needed. Higher RPMs result in increased wear on the bearings, seals and motor. The “T” Series exhauster contains high-strength composite aluminum/carbon steel impellers mounted on a carbon steel shaft. Each end of this dynamically balanced rotating assembly is carried by an outboard ball bearing, solidly fixed to a rugged, cast aluminum head. With thousands of units in operation, performance speaks for itself. It’s not only rugged, but the relatively low rotating speed also means that it’s quiet, usually below 80 dB.

In unusual cases where the “T” Series exhauster does not produce enough vacuum or airflow, Hoffman & Lamson can draw from its complete line of industrial vacuum producers. The TurboTron regenerative exhauster can provide up to 14 Hg and the TST Series overhung fabricated centrifugal can provide extra airflow.



# T-VAC Specifications

## MOBILE T-VAC

DESCRIPTION	EXHAUSTER #	HP	# OF OPERATORS	BAG QTY.	BAG AREA SQ.FT.	DUST CAN CU.FT.	LENGTH (INCHES)	WIDTH (INCHES)	HEIGHT (INCHES)	WEIGHT (LBS.)
TVAC-50S1	HF10392605	5	1-2	7	35	1.5	78	27	82	800
TVAC-75S1	HF10392606*	7.5	3	7	35	1.5	78	27	82	900
TVAC-100S1	HF00896110	10	4	14	70	3.0	90	34	82	1100
TVAC-150S1	HF00896111	15	5-6	14	70	3.0	90	34	82	1300
TVAC-200S1	HF00896113	20	7-8	14	70	3.0	97	34	82	1400

## STATIONARY T-VAC

DESCRIPTION	EXHAUSTER #	HP	# OF OPERATORS	BAG QTY.	BAG AREA SQ.FT.	DUST CAN CU.FT.	LENGTH (INCHES)	WIDTH (INCHES)	HEIGHT (INCHES)	WEIGHT (LBS.)
TVAC-50S1	HF10392605	5	1-2	7	35	1.5	78	27	82	800
TVAC-75S1	HF10392606*	7.5	3	7	35	1.5	78	27	82	900
TVAC-100S1	HF00896110	10	4	14	70	3.0	90	34	82	1100
TVAC-150S1	HF00896111	15	5-6	14	70	3.0	90	34	82	1300
TVAC-200S1	HF00896113	20	7-8	14	70	3.0	97	34	82	1400



MOBILE T-VAC



STATIONARY T-VAC

# Optional Equipment

The T-Vac can be designed to suit your requirements. Stationary models are available with raised platforms, conical discharge collectors and automated valves to ease removal of collected material, whether it is waste or reclaimed product. HEPA filters can be mounted after the collector and are 99.97% effective on removing 0.3 micron particulate. Although the standard T-Vac comes equipped with a bag separator and manual bag shakers, electric shakers are available. For situations where shutting down service is a problem, Pulse-Jet is available, which uses bursts of reversed airflow to discharge particles from bags or cartridges, without disrupting service. Drum Top Separators are available to remove liquid or other material before the piping system. Finally, a complete line of hose, tools and accessories compliment your vacuum system to make any job as effortless as possible.

- In-Line HEPA Filters
- Larger Dust Receptacles
- Pressure Balanced Dust Cans
- Automatic Bag Cleaning
- Special Filter Media
- Cartridge Filter Separators
- Auxiliary Separators
- Textile Filters
- Hinged Dump Valves
- Debris Hoppers
- Wear Resistant Hose
- Rotary Air Locks
- Special Floor Rods
- Replaceable Wear Plates
- Cone Bottom Separators
- Debridging Device
- Smooth Flow™ Tubing & Fittings
- Hose & Tools



AUXILIARY DRUM  
PRIMARY VACUUM  
COLLECTOR



HOSE & TOOLS



TUBINGS & FITTINGS



HEPA FILTER

# HOFFMAN® & LAMSON® Products & Systems



## HOFFMAN & LAMSON Multistage Centrifugal Blowers

HOFFMAN & LAMSON Multistage Centrifugal Blowers are the ideal solution for processes that require uniform pressure, pulse-free flow, and oil-free operation. With designs optimized for 60 and 50 Hz markets, we offer efficient performance backed by a history of reliable operations.



## HOFFMAN REVOLUTION™ High Speed Centrifugal

The HOFFMAN REVOLUTION High Speed Centrifugal Blower utilizes advanced centrifugal engineering technologies that deliver up to 45% energy savings, provide increased reliability with little or no maintenance, and come factory pre-wired and tested in an ergonomically designed sound enclosure for plug-and-play operation.



## Controls & Energy Management

Considering an efficiency upgrade? HOFFMAN & LAMSON upgrades and High Speed Centrifugal Blower solutions deliver increased efficiency and improved reliability.



## Support, Service & OEM Parts

Restore blower performance and maintain system reliability with HOFFMAN & LAMSON OEM Service, support, and parts - available through our global network of HOFFMAN & LAMSON CERTIFIED™ Service & Distribution Centers.



**HOFFMAN**

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