



# MIDACO Vacuum Systems

for CNC Coolant, Oil and Chip Removal



**MIDACO CNC Industrial Vacuum Systems** are designed to meet the extraction and recovery needs for coolant, oils, and emulsions with efficient filtration of metal chips through a micro-perforated carbon steel basket. This allows for easy disposal or quick reintegration of filtered lubricant and coolant. Decrease CNC machine downtime and reduce maintenance and oil replacement cost due to CNC clean up.



# M264VFL Industrial Vacuum for Dry Applications (100L)

Power	3.9 kW   3.3 HP
Max Vacuum	250 mBar
Air Flow Rate	570 m3/h
Voltage	110
Tank Capacity	26.4 gal (100 L)
Vacuum Inlet	2.76" (70 mm)
Sound Level	76 db(A)
Weight	154 lbs (69.85 kg)
Dimensions	26" x 31.5" x 59.65" (660mm x 800mm x 1515mm)



### Accessories Included with M264VFL:

- 1 - flexible hose 124" (3149.6mm) long
- 2 - rubber m/f connectors
- 1 - 18" (457mm) wide squeegee floor tool
- 1 - 15.5" (393.7mm) metal crevice hand tool
- 1 - "S" extension pipe
- 1 - elbow connector
- 1 - Teflon filter
- 2 - reducers
- Wet & Dry upright floor attachment



### Description

- 1 - Material enters the chamber through the 2.76" (70mm) suction inlet.
- 2 - Material spins through the "cyclone" and falls into the container.
- 3 - Teflon pocketed filter stops humid and sticky dust generated in the vacuum.
- 4 - Remove dust off the filter INSIDE the canister with the manual "Filter Shaker".
- 5 - Dust and residue fall into the 100 L container for easy disposal.

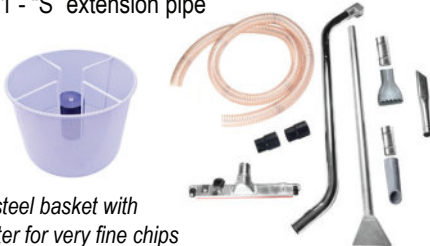


# M264V Industrial Vacuum (100L)

Power	3.9 kW   5.2 HP
Max Vacuum	250 mBar
Air Flow Rate	570 m3/h
Voltage	110
Tank Capacity	26.4 gal (100 L)
Solids Container	13.2 gal (50 L)
Vacuum Inlet	1.97" (50 mm)
Extraction Time	26.4 gal (100 L) / 26 sec
Sound Level	72 db(A)
Weight	198.4 lbs (90 kg)
Dimensions	27.5" x 17.7" x 55" (700mm x 450mm x 1400mm)

### Accessories Included with M264V:

- 1 - flexible hose 124" (3149.6mm) long
- 2 - rubber m/f connectors
- 2 - metal m/m connectors
- 1 - 18" (457mm) wide squeegee floor tool
- 1 - 15.5" (393.7mm) metal crevice hand tool
- 1 - 4.5" (114.3mm) rubber scraper hand tool
- 1 - 2" (50.8mm) dia. rubber round hand tool
- 1 - flat head extension pipe floor tool
- 1 - "S" extension pipe



micro-perforated carbon steel basket with added 150 micron PPL filter for very fine chips



valve handle at base

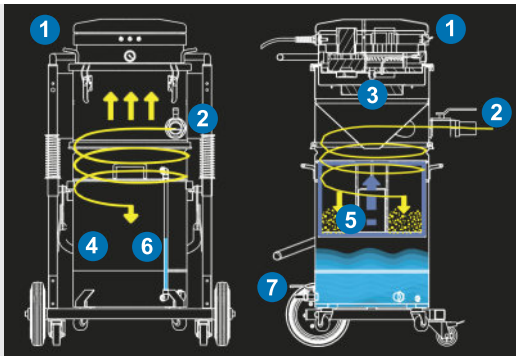
oil steam filter



### Description

- 1 - Vacuum head with 3 single-phase bypass motors.
- 2 - Material enters the "cyclone" and falls into the container.
- 3 - Filter stops the oily steam generated in the vacuum.
- 4 - Liquid is drawn into the 26.4 gal. (100L) container. Safety float stops the vacuum when the container is full.
- 5 - Micro-perforated carbon steel basket separates solids and the liquid. (includes a 150 micron PPL filter for very fine chips)
- 6 - External indicator shows liquid level in the container.

easily move with forklift





M264VOS Industrial Vacuum with Flow Inversion (100L)

Power	3 kW   4 HP
Max Vacuum	320 mBar
Air Flow Rate	420 m3/h
Voltage	220
Tank Capacity	26.4 gal (100L)
Solids Container	13.2 gal (50 L)
Vacuum Inlet	1.97" (50 mm)
Extraction Time	26.4 gal (100 L) / 26 sec
Discharge Time	26.4 gal (100 L) / 92 sec
Sound Level	78 dB(A)
Weight	242.5 lbs (110 kg)
Dimensions	33" x 28" x 64" (840mm x 710mm x 1620mm)

Accessories Included with M264VOS:

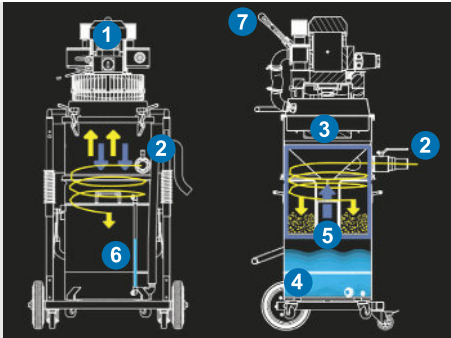
- 1 - flexible hose 124" (3149.6mm) long
- 2 - rubber m/f connectors
- 1 - 18" (457mm) wide squeegee floor tool
- 1 - 15.5" (393.7mm) metal flat crevice hand tool
- 1 - "S" extension pipe
- 1 - flat head extension pipe floor tool
- 1 - discharge nozzle



micro-perforated carbon steel basket with added 150 micron PPL filter for very fine chips

Description

- 1 - Vacuum is run by a 3 kW lateral channel Siemens turbine.
- 2 - Material enters the "cyclone" and falls into the container.
- 3 - Filter stops the oily steam generated in the vacuum.
- 4 - Liquid is drawn into the 26.4 gal. (100L) container. Safety float stops the vacuum when the container is full.
- 5 - Micro-perforated carbon steel basket separates solids and the liquid. (includes a 150 micron PPL filter for very fine chips)
- 6 - External indicator shows liquid level in the container.



Large Tank Industrial Vacuum with Flow Inversion

M740VOS-(280L) M1320V-(500L)

Power	3.9 kW   5.2 HP	3.9 kW   5.2 HP
Max Vacuum	250 mBar	250 mBar
Air Flow Rate	570 m3/h	570 m3/h
Voltage	230 - 50/60 V-Hz	110
Tank Capacity	74 gal (280 L)	132 gal (500 L)
Solids Container	10.57 gal (40 L)	10.57 gal (40 L)
Vacuum Inlet	1.97" (50 mm)	1.97" (50 mm)
Extraction Time	74 gal (280 L) / 63 sec	132 gal (500 L) / 126 sec
Discharge Time	74 gal (280 L) / 60 sec	132 gal (500 L) / 120 sec
Sound Level	72 dB(A)	72 dB(A)
Weight	485 lbs (220 kg)	485 lbs (220 kg)
Dimensions	27.5" x 57" x 55" (700mm x 1450mm x 1400mm)	23.6" x 59.5" x 70" (600mm x 1510mm x 1780mm)

Accessories Included\*:

- 1 - flexible hose 124" (3149.6mm) long
- 2 - rubber m/f connectors
- 1 - 2" (50.8mm) dia. rubber round hand tool
- 1 - discharge nozzle

\*See the optional **M100OILKIT** for additional accessories (back page)



micro-perforated carbon steel basket with added 150 micron PPL filter for very fine chips



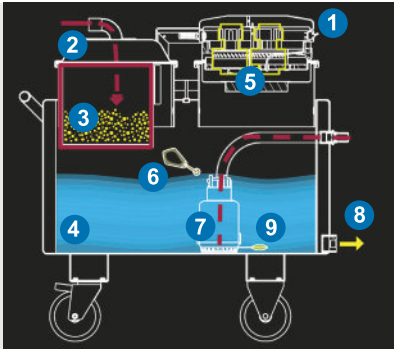
Description

- 1 - Vacuum is generated by a head with 3 single-phase bypass motors.
- 2 - Material is suctioned from above and falls into the sieve.
- 3 - Micro-perforated carbon steel basket separates solids and the liquid. (includes a 150 micron PPL filter for very fine chips)
- 4 - Liquid is drawn into the 74 gal./132 gal. (280L/500L) container.
- 5 - Filter stops oily steam generated in the vacuum.
- 6 - A level sensor automatically stops the vacuum upon reaching maximum capacity.
- 7 - The immersion pump ensures continuous emptying of liquids.
- 8 - The liquid is discharged through rubber tube and a manually adjusted valve.
- 9 - A level sensor on the pump automatically stops drainage upon min. liquid level.

3 single phase bypass motors



immersion pump



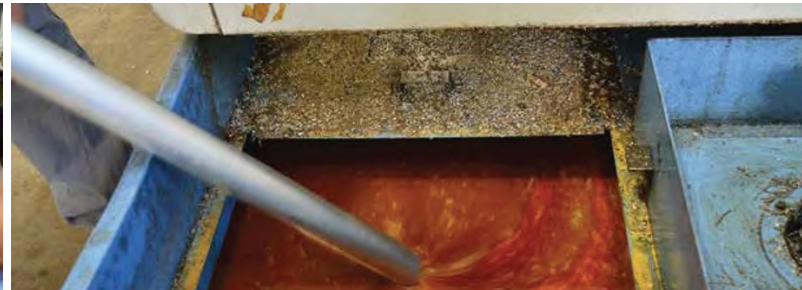
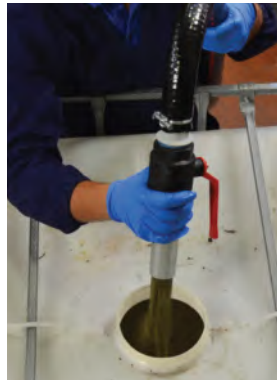




# CNC Industrial Vacuum Systems

## Optional M100OILKIT Attachment Kit

- |  |
|--|
| 1 - flexible hose 124" (3149.6mm) long                               |
| 2 - rubber m/f connectors  |
| 1 - 18" (457mm) wide squeegee floor tool                             |
| 1 - 4.5" (114.3mm) rubber scraper hand tool with metal m/m connector |
| 1 - 2" (50.8mm) dia. round rubber hand tool with metal m/m connector |
| 1 - 15.5" (393.7mm) metal flat crevice hand tool                     |
| 1 - "S" extension pipe   |
| 1 - flat head extension pipe floor tool                              |



**MIDACO CORPORATION**  
2000 Touhy Avenue  
Elk Grove Village, IL 60007 USA  
phone: (855) 593-5668  
fax: (847) 593-8451  
email: midaco@midaco-corp.com



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