



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.



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)



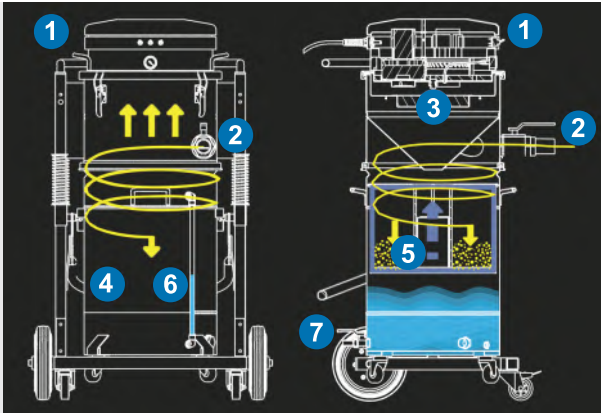
easily move with forklift

oil steam filter

valve handle at base

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.
- 7 - 1" (25.4mm) valve at base for quick draining.



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)



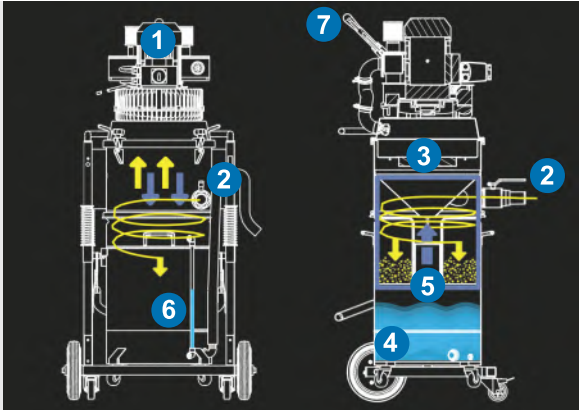
valve handle at top

discharge nozzle

micro-perforated carbon steel basket

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.
- 7 - Reverse flow valve lever for quick draining.



M740VOS Industrial Vacuum with Flow Inversion (280L)

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



3 single phase bypass motors



immersion pump



micro-perforated carbon steel basket



M1320V Industrial Vacuum with Flow Inversion (500L)

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



discharge nozzle

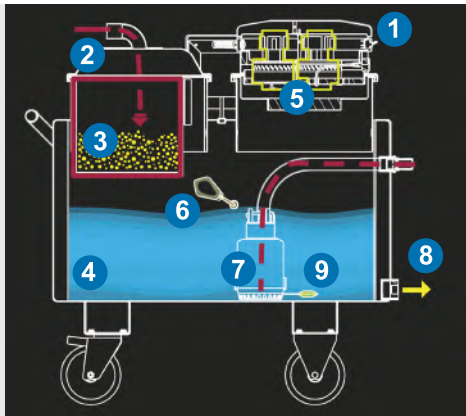


added 150 micron PPL filter for very fine chips



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.



M100OILKIT Attachment Kit



- | |
|---|
| 1 - flexible hose 124" (3149.6mm) long |
| 2 - aluminum extension wands |
| 1 - 18" (457mm) wide floor tool |
| 1 - 4.5" (114.3mm) wide hand tool |
| 1 - 2" (50.8mm) dia. round hand tool |
| 1 - 15.5" (393.7mm) long narrow crevice hand tool |
| Set of connectors |

Note: specific attachments may vary depending on vacuum model





CNC Industrial Vacuum Systems



Efficiency is essential in any machine shop to maintain productivity. Time spent during maintenance and cleaning your machine tool cuts into production time. The average time needed for an operator to empty, clean and reintegrate the oil emulsified inside a machining center is about 4 hours. Using a proper industrial vacuum can cut that time in half.

MIDACO CNC Industrial Vacuum Systems decrease machine down time, reduce machine tool maintenance cost. Systems with liquid recovery and reintegration features save on cost of oil and coolant.



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