

Metalworking

# Industrial Vacuum Solutions for Metalworking

- safely collect, separate & recycle



⌚ [http:// nilfisk.msk.ru](http://nilfisk.msk.ru)  
✉ [info@nilfisk.msk.ru](mailto:info@nilfisk.msk.ru)

+7 (495) 660-83-36  
8 (800) 707-66-48

 **Nilfisk®**

# We Make a Dirty Job Easier

- features and options for efficient metal dust and debris collection

Whether you're housekeeping around the plant, collecting ultra-fine powders in a powder coating booth, or recovering MWFs from a machine sump, only Nilfisk's vacuums provide all the features you need to make the job easier.

With a specialized, cost-effective, metalworking specific focus, Nilfisk helps recommend the appropriate dust and debris collection solution at the right price.

## Nilfisk Performance Advantages

- Grounded hoses, airlines and conductive accessories eliminate static discharge
- Simple, safe waste disposal options
- Efficient bulk collection with large-capacity separators and hoppers
- Prevent recirculation of harmful oil mist with special filtration pads and coalescing filters
- Multi-stage filtration system protects vacuum filters from blockage and improve performance

## Expert Support

We support you with a highly-trained direct sales team. Dedicated to solving your metalworking industry challenges, our team analyzes your processes and recommends the best vacuums and features for your particular application.

Locate your sales rep at:  
[www.NilfiskIndustrialVacuums.com/FindAREp.aspx](http://www.NilfiskIndustrialVacuums.com/FindAREp.aspx).

Visit the Nilfisk Industrial Vacuums site:  
[www.NilfiskIndustrialVacuums.com](http://www.NilfiskIndustrialVacuums.com)

Watch how-to videos and customer case stories:  
[www.youtube.com/NilfiskVacuums](http://www.youtube.com/NilfiskVacuums)

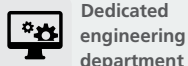
Call customer and technical support:  
**1-800-NILFISK**



Cleaning is critical to the smooth operation of your plant. Yet it's also a tough, time-consuming chore. Nilfisk industrial vacuums are reliable, simple to operate, and require virtually no maintenance. They guarantee a swift, thorough cleaning so you get the job done right the first time and increase compliance with industry regulations.

*"Our Nilfisk industrial vacuums run virtually maintenance-free – and they run 24 hours a day, 7 days a week. That's impressive performance."*

David Ayers  
Continuous Improvement Technician



Dedicated  
engineering  
department



Dedicated  
sales team



Worldwide  
technical  
assistance



# Machine Shop Vacuums

- collect, separate, discharge & recycle in minutes

Reliable, powerful and efficient, Nilfisk machine shop solutions feature compact, mobile designs, multiple waste disposal options, and advanced features to save you time and money. Machine shop vacuums extract, recover and recycle metal chips, oily cuttings, lubricants and coolant spills.



**USER FRIENDLY:** A variety of machine accessories are available for ease of use in specific metalworking applications.

**PRODUCTIVITY:** Nilfisk machine shop vacuums perfectly integrate into the production process and eliminate downtime providing one solution to both collect and recycle.

**FEATURES & BENEFITS:**

**VHO 200:**

- Stainless steel chip basket with integrated float cage
- Transparent liquid level sight tube
- Optional oil mist filter and nylon basket filters in 300, 100, 50 micron available

**Eco-Oil:**

- Automatic shut-off for liquids
- 360° pivoting clear suction hose
- Optional oil mist filter and nylon basket filters in 300, 100, 50 micron available

Fully designed **Metalworking kit** comes standard with all necessary connections as well as a dust brush, metal crevice nozzle, wheeled floor nozzle and polyurethane hose. (View page 9 for more details)



Keep process equipment clean and running at peak performance



Recycle coolants and lubricants with pump out feature



Recover and recycle debris and liquids simultaneously

# Single-Phase, Powerful Dust Extraction

- specialized features for rugged metalworking applications

Nilfisk VHS120 and S3B vacuum models offer easy-to-use dust extraction solutions for metalworking applications. These models include basic features to get the job done right, while offering optional customization for enhanced features.

**HYGIENE:** Collected material is filtered through a standard polyester star filter to ensure steady, even airflow during operation, while retaining 99.1% of particles down to 1.5 microns in size.

**FILTRATION:** Models feature top-mounted manual filter shakers to easily clean the main filter without removing the motor head

## FEATURES & BENEFITS:

### VHS120

- 2 bypass motors with on/off switch for each
- 50mm quick disconnect inlet
- 9.8 gallon collection capacity

### S3B:

- 3 bypass motors with on/off switch for each
- Compact design for easy maneuverability even in confined production areas
- Optional wet mechanical shut-off for enhanced safety
- 26 gallon collection capacity

Fully designed **Metalworking kit** comes standard with all necessary connections as well as a dust brush, metal crevice nozzle, wheeled floor nozzle and polyurethane hose. (View page 10 for more details)



Top-mounted manual filter shaker for ease of use filter cleaning



Versatile cleaning, from floor to inside process equipment



Small footprint for easy access to equipment and machinery

# Three-Phase, Strong Performance Vacuum

- industry specific customization for increased efficiency



Nilfisk T26 vacuum variants offer a continuous-duty industrial vacuum cleaner with strong performance at an affordable price. Built with solid construction and high power, the T26 offers optimal performance for challenging metalworking environments.

**USER FRIENDLY:** Complete with rear swivelling wheels and locking breaks, this vacuum offers features suitable for the industry and efficiency of its workers. A front release lever lowers the wheeled collection container and acts as a handle for fast and easy disposal of collected debris.

**CAPACITY:** 26 gallon collection capacity

**FEATURES & BENEFITS:**

- Lightweight, highly maneuverable
- Compact with a wide range of available accessories
- Low noise level for increased worker safety and comfort
- Optional 40L swarf basket and wet shutoff valve available

Fully designed **Metalworking kit** comes standard with all necessary connections as well as a dust brush, metal crevice nozzle, wheeled floor nozzle and polyurethane hose. (View page 11 for more details)



*Keep process equipment clean and running at peak performance*

# CSA-Certified, Explosion-Proof Vacuum

- intermittent-duty, explosion-proof dust collection solution

Nilfisk 118 EXP vacuum is CSA-certified for use in a variety of locations, including Class II, Group E. The 118 EXP complies with OSHA recommendations for the collection of combustible materials as part of a regular plant maintenance program. Complete with conductive accessories for standard compliance.

**COMPLIANCE:** CSA-certified for use in Class I, Group D and Class II, Groups E, F & G environments

**FILTRATION:** Features downstream HEPA filtration and external filter shaker, for guaranteed high filtration efficiency and prevention of clogging

**CAPACITY:** 6.6 gallons

**FEATURES & BENEFITS:**

- Constructed of 304 stainless steel
- Available in various configurations to meet guidelines for specific metalworking applications
- Optional HEPA or ULPA filtration

Contact your local Nilfisk sales representative for information on Metalworking specific options.



Side-mounted manual filter shaker



Nilfisk pre-separators provide added filtration and longer working life



# Integrated Immersion Separator Solutions

- power and reliability for heavy-duty metalworking applications

Nilfisk VHT EXP and VHC200 EXP explosion-proof dust collection solutions with integrated immersion separators offer an all-in-one design to safely collect and render inert Group E metal dusts such as aluminum, magnesium and other commercial alloys, in an inert fluid bath.



**COMPLIANCE:** Entire machine is certified Class II, Group E for compliance with NFPA 484 for the safe collection of combustible metal dusts. Electric and pneumatic options to meet any environment requirements.

**USER FRIENDLY:** This all-in-one design captures dust and chips while maintaining a manageable weight to optimize operator safety and efficiency.

**CAPACITY:** 26 gallon collection capacity

**FEATURES & BENEFITS:**

- All-in-one design to safely collect and render inert Group E metal dusts
- Low-sparking AISI 304 stainless construction
- Drain valve located at lowest point for maximum drainage & external min/max level indicator (with integrated immersion separator)
- Removable chip collection basket

Contact your local Nilfisk sales representative for information on Metalworking specific options.



Drain valve located at lowest point for maximum drainage & external min/max level indicator



Chip collection basket to effectively separate chips and liquid material



Collect metal chips from fine dust to large debris

# Heavy-Duty, Bulk Collection Vacuums

- equipped with three-phase power for continuous-use

Nilfisk 3000 series vacuums are designed and manufactured with the strength, power and reliability for continuous, heavy-duty applications. High performance levels ensure collection of large quantities of heavy debris at a distance.



**HYGIENE:** Wet/Dry collected material is filtered through a standard polyester star filter to ensure steady, even airflow during operation, while retaining 99.1% of particles down to 1.5 microns in size.

**FLEXIBILITY:** Collect large amounts of debris without downtime.

**CAPACITY:** 46 gallon collection capacity

**FEATURES & BENEFITS:**

- Manometer to monitor suction performance and turn off machine when filter becomes ineffective
- Highly maneuverable design and easy to access collection container
- Upstream and downstream HEPA filter available for collection of ultra-fine particles and toxic debris

Contact your local Nilfisk sales representative for information on Metalworking specific options.



*Added filtration and capacity with optional skip hopper*



*Large capacity collection for longer run times*





## Eco-Oil Vacuums

Description	Unit	Eco-Oil 13	Eco-Oil 22
Collection Type	-	Wet	Wet
Type of Power	-	1-Phase	3-Phase
Voltage @ 60 Hz	V	115 / 230	220 / 460 / 575
Power @ 60 Hz	HP (W)	19.6 (1460)	3.42 (2550)
Waterlift, max.	in. (mm) H <sub>2</sub> O	131 (3327)	76 (1930)
Airflow, blower max.	CFM (L/min)	105 (2973)	222 (6286)
Current, max.	amps	14.1 / 6.1	11.4 / 6.0 / 4.6
Liquid Capacity	gallons (L)	48 (180)	48 (180)
Chip Capacity	gallons (L)	8 (30)	8 (30)
Dimensions (L x W x H)	in. (mm)	42.0 x 26.5 x 59.0 (1050 x 670 x 1500)	42.0 x 26.5 x 59.0 (1050 x 670 x 1500)
Sound Pressure Level	dB(A)	70	71

### Metalworking Kits INCLUDE the following accessories:

Dust Brush (Part #4072200570)	Curved Steel Tube (Part #7-21012)	Metal Crevice Nozzle (Part #7-21026)	Double Curved Wand (Part #7-22025)
Wheeled Floor Nozzle (Part #7-22029)	6 Meters of Polyurethane Hose (Part #7-2411F)	2 Food Grade Cuffs (Part #7-20309F)	



## VHO 200

Description	Unit	VHO 200
Collection Type	-	Wet
Type of Power	-	1-Phase
Voltage @ 60 Hz	V	110-120
Power @ 60 Hz	HP (W)	2.15 (1600)
Waterlift, max.	in. (mm) H <sub>2</sub> O	80.4 (2042)
Airflow, blower max.	CFM (L/min)	150 (4250)
Current, max.	amps	13.3
Liquid Capacity	gallons (L)	19.8 (75)
Chip Capacity	gallons (L)	5.8 (22)
Dimensions (L x W x H)	in. (mm)	22.8 x 34.7 x 48.4 (580 x 880 x 1230)
Sound Pressure Level	dB(A)	70

### Metalworking Kits INCLUDE the following accessories:

<b>38mm</b>	50mm to 40mm Inlet Reducer (Part #7-22000)	38mm PU hose (10') (Part #7-24110F)	38mm PU cuffs (2) (Part #7-20309F)	38mm Curved Steel Wand (Part #01769368)
	38mm Straight Steel Wand (Part #11027200)	40mm Flat Rubber Nozzle (Part #7-22155)	40mm Rubber Cone (Part #7-21011)	38mm Dust Brush (Part #4072200576)
<b>50mm</b>	Inlet Coupler (Part #7-21003)	PU hose (10') (Part #7-24111F)	PU cuffs (2) (Part #7-20309F)	Curved Steel Wand (Part #7-21012)
	Straight Aluminum Wand (Part #01769321)	Accessory Coupler (Part #7-21002)	Flat Rubber Nozzle (Part #7-21030)	Metal Crevice Nozzle (Part #7-21026)

## Technical Specifications



### VHS120

Description	Unit	VHS120
Collection Type		
Type of Power	-	1-Phase
Voltage @ 60 Hz	V	120
Power @ 60 Hz	HP (W)	2.68 (2113)
Waterlift, max.	in. (mm) H <sub>2</sub> O	83.2 (2113)
Airflow, max.	CFM (L/min)	176 (4983)
Current, max.	amps	14.5
Container Capacity	gal. (L)	9.8 (37)
Dimensions (L x W x H)	in. x in. x in. (mm x mm x mm)	22.5 x 22 x 40 (572 x 560 x 1016)
Cord Length	ft. (m)	30 (9)
Sound Pressure Level	dB(A)	74

Specifications and details are subject to change without prior notice.

### Metalworking Kits INCLUDE the following accessories:

Tool Tray (Part #4081601058)	Dust Brush (Part #4072200570)	Curved Steel Tube (Part #7-21012)	Metal Crevice Nozzle (Part #7-21026)
Inlet Coupler (Part #7-21003)	Double Curved Wand (Part #7-22025)	Wheeled Floor Nozzle (Part #7-22029)	6 Meters of Polyurethane Hose (7-2411F)
2 Food Grade Cuffs (Part #7-20309F)	OR 20' Gray Plastic Hose with 2 Cuffs (Part #81815020)		



### S3B Vacuum

Description	Unit	S3B
Collection Type	-	Dry
Type of Power	-	1-Phase
Voltage @ 60 Hz	V	120
Power @ 60 Hz	HP (W)	3.22 (2400)
Waterlift, max.	in. (mm) H <sub>2</sub> O	71.5 (1816)
Airflow, blower max.	CFM (L/min)	270 (7646)
Current, max.	amps	15.8
Collection Capacity, 50 L	gallons (L)	13 (50)
Collection Capacity, 100 L	gallons (L)	26 (100)
Dimensions (L x W x H), 50 L	in. (mm)	31.5 x 23.6 x 51.2 (800 x 600 x 1275)
Dimensions (L x W x H), 100 L	in. (mm)	31.5 x 23.6 x 62.2 (800 x 600 x 1570)
Sound Pressure Level	dB(A)	75

### Metalworking Kits INCLUDE the following accessories:

Dust Brush (Part #4072200570)	Curved Steel Tube (Part #7-21012)	Metal Crevice Nozzle (Part #7-21026)	Double Curved Wand (Part #7-22025)
Inlet Reducer (Part #7-22001)	6 Meters of Polyurethane Hose (Part #7-2411F)	2 Food Grade Cuffs (Part #7-20309F)	OR 20' Gray Plastic Hose with 2 Cuffs (Part #81815020)



**T26**

Description	Unit	T26
Collection Type	-	Dry (Wet Option)
Type of Power	-	3-Phase
Voltage @ 60 Hz	V	220 / 460 / 575
Power @ 60 Hz	HP (W)	3.42 (2550)
Waterlift, max.	in. (mm) H <sub>2</sub> O	76 (1930)
Airflow, blower max.	CFM (L/min)	222 (6286)
Current, max.	amps	11.4 / 6 / 4.55
Container Capacity	gallons (L)	26 (100)
Dimensions (L x W x H)	in. (mm)	44.5 x 23.6 x 60.2 (1130 x 600 x 1530)
Sound Pressure Level	dB(A)	71

**Metalworking Kits INCLUDE the following accessories:**

Dust Brush (Part #4072200570)	Curved Steel Tube (Part #7-21012)	Metal Crevice Nozzle (Part #7-21026)	Double Curved Wand (Part #7-22025)
Inlet Reducer (Part #7-22001)	6 Meters of Polyurethane Hose (Part #7-2411F)	2 Food Grade Cuffs (Part #7-20309F)	OR 20' Gray Plastic Hose with 2 Cuffs (Part #81815020)



**VHTEXP Vacuums with Integrated Immersion Separator**

Description	Unit	VHT437EXP	VHT456EXP	VHC200 EXP
Collection Type	-	Dry (Wet Option)	Dry (Wet Option)	Dry
Type of Power	-	3-Phase	3-Phase	Pneumatic
Voltage @ 60 Hz	V	220 / 460 / 575	460 / 575	-
Power @ 60 Hz	HP (W)	5 (3700)	7.5 (5600)	-
Waterlift, max.	in. (mm) H <sub>2</sub> O	85 (2159)	72.8 (1850)	153 (3875)
Airflow, blower max.	CFM (L/min)	218 (6167)	367 (10384)	184 (5200)
Current, max.	amps	11.2 / 5.6 / 4.5	9.5 / 7.6	-
Container Capacity	gallons (L)	26 (100)	26 (100)	13 (50), 26 (100)
Dimensions (L x W x H)	in. (mm)	50.8 x 23.6 x 60.6 (1290 x 600 x 1540)	50.8 x 23.6 x 60.6 (1290 x 600 x 1540)	31.5 x 23.6 x 52.6 (800 x 600 x 1590)
Sound Pressure Level	dB(A)	72	77	70



**Additional Metalworking Vacuums**

Description	Unit	118 EXP	3707/10	3907/18
Collection Type	-	Wet/Dry	Dry (Wet Option)	Dry (Wet Option)
Type of Power	-	1-Phase	3-Phase	3-Phase
Voltage @ 60 Hz	V	120	460 / 575	460 / 575
Power @ 60 Hz	HP (W)	1.61 (1200)	12 (9000)	19.4 (14500)
Waterlift, max.	in. (mm) H <sub>2</sub> O	69 (1752)	92.3 (2344)	108 (2743)
Airflow, blower max.	CFM (L/min)	130 (3681)	518 (14668)	740 (20954)
Current, max.	amps	10	15.1 / 12.8	29 / 20.4
Container Capacity	gallons (L)	6.6 (25)	46 (175)	45 (175)
Dimensions (L x W x H)	in. (mm)	20.0 x 24.0 x 45.0 (508 x 610 x 1143)	63.0 x 31.5 x 71.3 (1600 x 800 x 1810)	63.0 x 31.5 x 71.3 (1600 x 800 x 1810)
Sound Pressure Level	dB(A)	78	78	78



## Safe Choice Commitment

At Nilfisk Industrial Vacuums we understand that you face many risks each day, just by operating your business. That is why Nilfisk is dedicated to helping you make smart choices to keep your facility and your workers safe. Our team of experts is ready to tackle any cleaning challenge – because in a world full of risk, you have to make safe choices.

## Expert Support

We support you with a highly-trained direct sales team. Dedicated to solving your individual challenges, our team analyzes your processes and recommends the best vacuums and features for your particular application.

### Locate your sales rep at:

<https://www.nilfiskindustrialvacuum.com/find-a-sales-rep/>



Dedicated  
engineering  
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Worldwide  
technical  
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