



WHITE LINE VACUUMS
FOOD, PHARMA & OEM

INDUSTRIAL
VACUUM SOLUTIONS

 **Nilfisk**
trusted since 1906

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WHEN DESIGN MEETS PERFORMANCE

Nilfisk, one of the world leaders in the production of industrial vacuums, introduces the White Line – industrial vacuums for the food, pharmaceutical and OEM markets. With industry-leading application knowledge, Nilfisk tailored the White Line to meet manufacturers' requests for use in areas where hygiene and reliability is essential.

Food, Chemical and Pharmaceutical

- Smooth profile
- Superior filtration system
- GMP compliant
- Quiet
- Easy to sanitize
- Eliminate downtime

Original Equipment Manufacturers and Packaging

- Solid construction
- Designed for confined spaces
- High efficiency continuous use

Complete line with endless possibilities

The **VHW200** and **VHW210** fixed industrial vacuums extract and recover small quantities of dust or trimmings. Horizontal layout and compact size make it ideal for OEMs and small footprint applications.

The **VHW201**, **VHW211**, **VHW310** and **VHW311** units integrate with processing machines to collect fine powder and dust directly from the source. The VHW311 can be fixed or portable, providing flexibility for processing environments with limited space.

The **VHW321**, **VHW420**, **VHW421** and **VHW440** portable vacuums make daily cleaning in production areas and process manufacturing fast and hassle-free. Conical cartridge filters provide more surface area, extend filter life and resist clogging. To reduce production downtime, users can clean filters with the new **PullClean** system while the vacuum is in use. The VHW420 and VHW440 units are available with **PulseClean** reverse purge system for automatic renewal of cartridge filters during collection of ultra fine powders.

The **VHW320 IC**, **VHW420 IC** and **VHW440 IC** vacuums feature Nilfisk's newest automatic filter cleaning technology. **InfiniClean™** is a self-contained, automated filter purging system requiring no external compressed air supply, secondary power source or cleaning actions by the operator. It dramatically reduces dust build-up inside processing equipment and eliminates costly downtime.



“Flexible design for in-process, continuous use and portable production line maintenance”

INNOVATIVE FEATURES



Specifications subject to change without notice. The data, characteristics, colors and illustrations are merely indicative and therefore not binding.

INFINICLEAN™ AUTOMATIC FILTER CLEANING TECHNOLOGY

Continuous-Duty, Endless Performance.

Clogged filters directly impact vacuum performance and cause costly downtime, so Nilfisk designed InfiniClean™ to continuously clean the filter during unattended, continuous-duty or extremely dusty applications. InfiniClean is a self-contained, automated filter purging system requiring no external compressed air supply, secondary power source or interference by the operator.

» Easy to Use – Set it and Let it Clean!

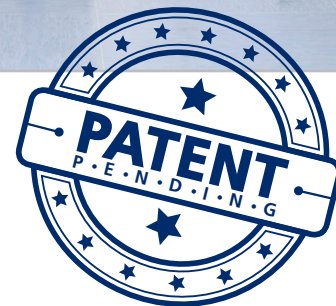
- Completely automated system, requiring no user interaction to clean the filter
- No additional compressed air or power sources required, which reduces costs and improves portability

» Eliminate Downtime

- Vacuum runs continuously without shutting down for filter cleaning
- Keeps workers on the floor, not maintaining vacuum filters

» Superior Performance

- Maintains peak vacuum performance as it cleans
- Processing equipment stays free from dust



How it works:

EXHAUST IS RE-ROUTED THROUGH THE INFINICLEAN CHAMBER

SOLENOIDS AUTOMATICALLY OPEN AND CLOSE SEQUENTIALLY TO BLAST AIR THROUGH THE FILTERS

THE PRESSURE DIFFERENCE REVERSES AIR FLOW THROUGH THE FILTER, SENDING BUILT UP DUST DOWN INTO THE COLLECTION CONTAINER



CARTRIDGE SHIELDS PROVIDE HIGH FILTER CLEANING EFFICIENCY

CONICAL-SHAPED CARTRIDGES ALLOW DUST TO FALL OFF EASILY

APPLICATIONS



FIXED - HORIZONTAL



VHW200



VHW210



Regenerative channel blower



Optional downstream HEPA/ULPA filtration



Smooth design and compact

Technical Features	VHW200		VHW210	
Collection Type	Dry		Dry	
Voltage @ 60 Hz	120 / 230 V	220 / 460 / 575 V	120 / 230 V	220 / 460 / 575 V
Type of Power	1-phase	3-phase	1-phase	3-phase
Power @ 60 Hz	0.60 HP (450 W)	0.67 HP (500 W)	1.74 HP (1300 W)	1.27 HP (950 W)
Current, max.	6.6 / 3.3 amps	2.7 / 1.5 / 1.1 amps	14 / 7 amps	4.5 / 2.3 / 1.95 amps
Airflow, blower max.	58 CFM (1642 L/min)		102 CFM (2888 L/min)	
Waterlift, controlled	52 in. H ₂ O (1321 mm H ₂ O)	60 in. H ₂ O (1524 mm H ₂ O)	72 in. H ₂ O (1829 mm H ₂ O)	64 in. H ₂ O (1626 mm H ₂ O)
Container Capacity	0.26 gal. (1 L)		1.7 gal. (6.5 L)	
Main Filter Area (Bag)	2.48 ft ² (0.23 m ²)		2.48 ft ² (0.23 m ²)	
HEPA Filter Area, up/downstream	11.84 ft ² (1.1 m ²)		11.84 ft ² (1.1 m ²)	
HEPA Filter Efficiency	99.995% @ 0.2 microns		99.995% @ 0.2 microns	
ULPA Filter Area, downstream	11.84 ft ² (1.1 m ²)		11.84 ft ² (1.1 m ²)	
ULPA Filter Efficiency	99.999% @ 0.12 microns		99.999% @ 0.12 microns	
Machine Inlet Diameter	40 mm		40 mm	
Dimensions (L x W x H)	20.9 in. x 10.6 in. x 19.5 in. (530 mm x 270 mm x 495 mm)		25.2 in. x 13.0 in. x 18.7 in. (640 mm x 330 mm x 475 mm)	
Weight, machine only	37.5 lb. (17 kg)		50.7 lb. (23 kg)	
Cord Length (if equipped)	30 ft (9 m)		30 ft (9 m)	
Protection Class	IP55		IP55	
Sound Pressure Level @ 1.5 m (ISO 3744)	56 dB(A)		62 dB(A)	

Standard pressure relief valve not depicted on models shown above

FIXED - VERTICAL



VHW201



VHW211



Spring loaded latches



Optional upstream HEPA filtration



304 stainless steel models available

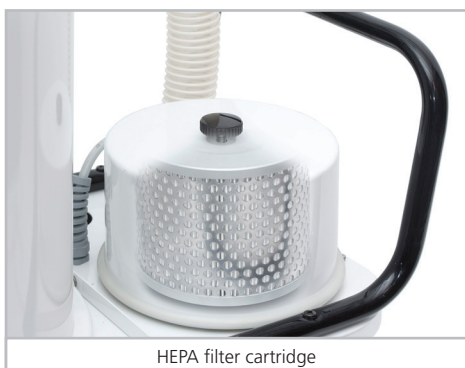
Technical Features	VHW201		VHW211	
Collection Type	Dry		Dry	
Voltage @ 60 Hz	120 / 230 V	220 / 460 / 575 V	120 / 230 V	220 / 460 / 575 V
Type of Power	1-phase	3-phase	1-phase	3-phase
Power @ 60 Hz	0.60 HP (450 W)	0.67 HP (500 W)	1.74 HP (1300 W)	1.27 HP (950 W)
Current, max.	6.6 / 3.3 amps	2.7 / 1.5 / 1.1 amps	14 / 7 amps	4.5 / 2.3 / 1.95 amps
Airflow, blower max.	58 CFM (1642 L/min)		102 CFM (2888 L/min)	
Waterlift, controlled	52 in. H ₂ O (1321 mm H ₂ O)	60 in. H ₂ O (1524 mm H ₂ O)	72 in. H ₂ O (1829 mm H ₂ O)	64 in. H ₂ O (1626 mm H ₂ O)
Container Capacity	1.7 gal. (6.5 L)		1.7 gal. (6.5 L)	
Main Filter Area (Bag)	2.48 ft ² (0.23 m ²)		2.48 ft ² (0.23 m ²)	
HEPA Filter Area, up/downstream	11.84 ft ² (1.1 m ²)		11.84 ft ² (1.1 m ²)	
HEPA Filter Efficiency	99.995% @ 0.2 microns		99.995% @ 0.2 microns	
ULPA Filter Area, downstream	11.84 ft ² (1.1 m ²)		11.84 ft ² (1.1 m ²)	
ULPA Filter Efficiency	99.999% @ 0.12 microns		99.999% @ 0.12 microns	
Machine Inlet Diameter	40 mm		40 mm	
Dimensions (L x W x H)	18.0 in. x 16.9 in. x 32.3 in. (420 mm x 430 mm x 820 mm)		18.0 in. x 16.9 in. x 32.3 in. (420 mm x 430 mm x 820 mm)	
Weight, machine only	55.1 lb. (25 kg)		68.3 lb. (31 kg)	
Cord Length (if equipped)	30 ft (9 m)		30 ft (9 m)	
Protection Class	IP55		IP55	
Sound Pressure Level @ 1.5 m (ISO 3744)	56 dB(A)		59 dB(A)	



VHW310



VHW311



HEPA filter cartridge



VHW310 side view



VHW311 side view

Technical Features	VHW310		VHW311	
Collection Type	Dry			
Voltage @ 60 Hz	120 / 230 V	220 / 460 / 575 V	120 / 230 V	220 / 460 / 575 V
Type of Power	1-phase	3-phase	1-phase	3-phase
Power @ 60 Hz	2.35 HP (1750 W)	2.75 HP (2050 W) [2.35 HP (1750 W) @ 575 V]	2.35 HP (1750 W)	2.75 HP (2050 W) [2.35 HP (1750 W) @ 575 V]
Current, max.	24 / 12 amps	8.8 / 4.4 / 2.95 amps	24 / 12 amps	8.8 / 4.4 / 2.95 amps
Airflow, blower max.	150 CFM (4248 L/min)		150 CFM (4248 L/min)	
Waterlift, controlled	72 in. H ₂ O (1829 mm H ₂ O)	88 in. H ₂ O (2235 mm H ₂ O)	72 in. H ₂ O (1829 mm H ₂ O)	88 in. H ₂ O (2235 mm H ₂ O)
Container Capacity	6.6 gal. (25 L)		6.6 gal. (25 L)	
Main Filter Area	4.52 ft ² (0.42 m ²)		4.52 ft ² (0.42 m ²)	
HEPA Filter Area, up/downstream	11.84 ft ² (1.1 m ²)		11.84 ft ² (1.1 m ²)	
HEPA Filter Efficiency	99.97% @ 0.3 microns		99.97% @ 0.3 microns	
ULPA Filter Area, downstream	11.84 ft ² (1.1 m ²)		11.84 ft ² (1.1 m ²)	
ULPA Filter Efficiency	99.999% @ 0.12 microns		99.999% @ 0.12 microns	
Machine Inlet Diameter	50 mm		50 mm	
Dimensions (L x W x H)	28.0 in. x 16.5 in. x 35.6 in. (710 mm x 420 mm x 905 mm)		28.0 in. x 16.5 in. x 35.6 in. (710 mm x 420 mm x 905 mm) *	
Weight, machine only	108 lb. (49 kg)		135 lb. (61 kg) *	
Cord Length	-		30 ft (9 m)	
Protection Class	IP55		IP55	
Sound Pressure Level @ 1.5 m (ISO 3744)	65 dB(A)		64 dB(A)	

*Optional wheel kit increases height and weight; VHW311 shown above with optional wheel kit

PORTABLE



VHW321



VHW421



VHW420 / VHW440



Compatible with SAFE-PAK™ for potent compounds



Optional Bag-In Bag-Out system*



Available with PulseClean cartridge filter system**

Technical Features	VHW321		VHW420	VHW421	VHW440
Collection type	Dry		Dry		Dry
Voltage @ 60 Hz	120 / 230 V	220 / 460 / 575 V	220 / 460 / 575 V		220 / 460 / 575 V
Type of power	1-phase	3-phase	3-phase		3-phase
Power @ 60 Hz	2.35 HP (1750 W)	2.75 HP (2050 W) [2.35 HP (1750 W) @ 575 V]	3.42 HP (2550 W)		6.17 HP (4600 W)
Current, max.	24 / 12 amps	8.8 / 4.4 / 2.95 amps	11.4 / 6 / 4.55 amps		15.6 / 9 / 7.6 amps
Airflow, blower max.	150 CFM (4248 L/min)		222 CFM (6286 L/min)		294 CFM (8333 L/min)
Waterlift, controlled	72 in. H ₂ O (1829 mm H ₂ O)	88 in. H ₂ O (2235 mm H ₂ O)	76 in. H ₂ O (1930 mm H ₂ O)		104 in. H ₂ O (2651 mm H ₂ O)
Container Capacity	6.6 gal. (25 L)		12.2 gal. (46 L)		12.2 gal. (46 L)
PullClean Filter Area, total for cartridges	10.76 ft ² (1.00 m ²)		21.52 ft ² (2.00 m ²)		21.52 ft ² (2.00 m ²)
HEPA Filter Area, up/downstream	11.84 ft ² (1.1 m ²)		22.60 ft ² (2.1 m ²)		22.60 ft ² (2.1 m ²)
HEPA Filter Efficiency	99.97% @ 0.3 microns		99.995% @ 0.18 microns		99.995% @ 0.18 microns
ULPA Filter Area, downstream	11.84 ft ² (1.1 m ²)		-		-
ULPA Filter Efficiency	99.999% @ 0.12 microns		-		-
Machine Inlet Diameter	50 mm		70 mm		70 mm
Dimensions (L x W x H), without PulseClean cartridge filter system	28.9 in. x 17.3 in. x 46.1 in. (735 mm x 440 mm x 1170 mm)		38.2 in. x 21.3 in. x 54.7 in. (970 mm x 540 mm x 1390 mm)		38.2 in. x 21.3 in. x 54.7 in. (970 mm x 540 mm x 1390 mm)
Weight, machine only	183 lb. (83 kg)		220 lb. (100 kg)	249 lb. (113 kg)	249 lb. (113 kg)
Protection Class	IP55		IP55		IP55
Cord Length	30 ft (9 m)		30 ft (9 m)		30 ft (9 m)
Sound Pressure Level @ 1.5 m (ISO 3744)	64 dB(A)		66 dB(A)	68 dB(A)	70 dB(A)

*Bag-In Bag-Out available on VHW321 and VHW421 **PulseClean available on VHW420 and VHW440



VHW320 IC



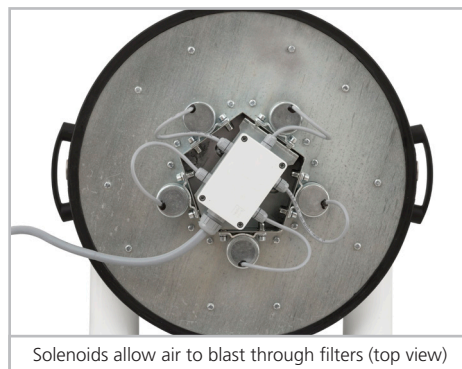
VHW420 IC



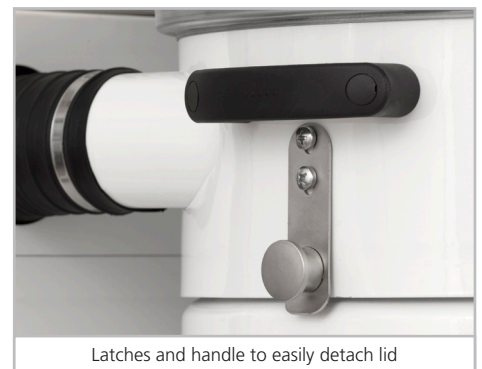
VHW440 IC



Conical filter cartridges clean automatically



Solenoids allow air to blast through filters (top view)



Latches and handle to easily detach lid

Technical Features	VHW320 IC	VHW420 IC	VHW440 IC
Collection type	Dry	Dry	Dry
Voltage @ 60 Hz	220 / 460 / 575 V	220 / 460 / 575 V	220 / 460 / 575 V
Type of power	3-phase	3-phase	3-phase
Power @ 60 Hz	2.75 HP (2050 W)	3.42 HP (2550 W)	6.17 HP (4600 W)
Current, max.	8.8 / 4.4 / 2.95 amps	11.4 / 6 / 4.55 amps	15.6 / 9 / 7.6 amps
Airflow, blower max.	150 CFM (4248 L/min)	222 CFM (6286 L/min)	294 CFM (8333 L/min)
Waterlift, controlled	88 in. H ₂ O (2235 mm H ₂ O)	76 in. H ₂ O (1930 mm H ₂ O)	92.3 in. H ₂ O (2344 mm H ₂ O)
Container Capacity	6.6 gal. (25 L)	12.2 gal. (46 L)	12.2 gal. (46 L)
InfiniClean Filter Area, total for four cartridges	16.15 ft. ² (1.5 m ²)	26.91 ft. ² (2.5 m ²)	26.91 ft. ² (2.5 m ²)
HEPA Filter Area, downstream	11.84 ft. ² (1.1 m ²)	22.60 ft. ² (2.1 m ²)	22.60 ft. ² (2.1 m ²)
HEPA Filter Efficiency	99.995% @ 0.18 microns	99.995% @ 0.18 microns	99.995% @ 0.18 microns
Machine Inlet Diameter	50 mm	70 mm	70 mm
Dimensions (L x W x H)	31.5 in. x 17.3 in. x 53.9 in. (800 mm x 440 mm x 1370 mm)	38.2 in. x 21.3 in. x 61.4 in. (970 mm x 540 mm x 1560 mm)	38.2 in. x 21.3 in. x 61.4 in. (970 mm x 540 mm x 1560 mm)
Weight, machine only	236 lb. (107 kg)	287 lb. (130 kg)	315 lb. (143 kg)
Cord Length	30 ft. (9 m)	30 ft. (9 m)	30 ft. (9 m)
Sound Pressure Level @ 1.5 m	64 dB(A)	66 dB(A)	70 dB(A)

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.

We are committed to being that safe choice. To learn more, visit nilfiskindustrialvacuums.com.



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