

Wood dust extraction WE-55



WE55 is a central vacuum unit, perfectly suited for schools. WE55 can be used as vacuum cleaner as well as transport of particles. With a capacity of 5.5 kW (1.800 m³/h – 8.000 Pa) it ensures a clean and healthy working environment without any air particles in the room. The control unit has the possibility for automatically start/stop and filter shake at shut down. The bin sensor stops the unit as soon as the bag is full.

Please do not hesitate to contact us.



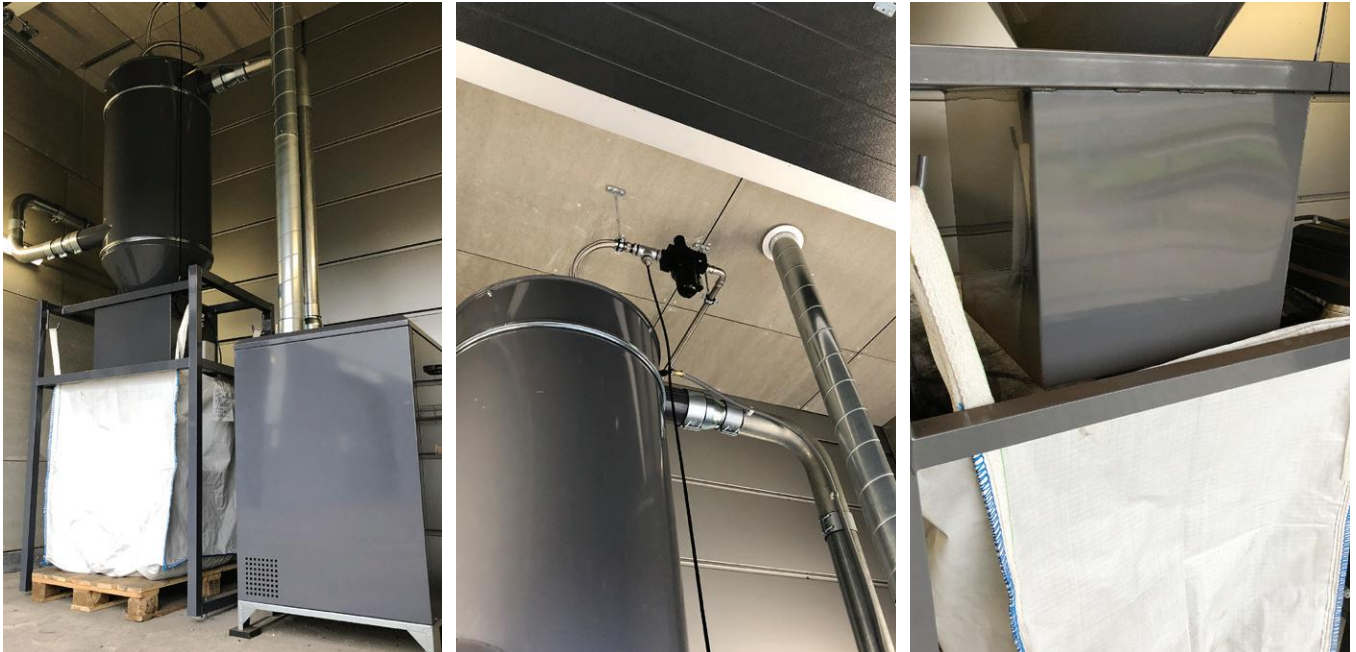
Art. No.	Description	[kW]	[A]	Max [m ³ /h]	Max [Pa]
03-750	GeoJet WE-55 unit	5,5kW	11,5A	1800m3/h	8000Pa

Stainless steel fan

Our fans can be delivered in stainless steel on request - AISI 316L. We offer different versions with a large selection of motors. The stainless steel versions are available in standard or ATEX.



HIGH VACUUM UNIT



Geovent High Vacuum Unit can be supplied as a complete unit, as separate modules, stationary or mobile. Geovent HVU is ideal when particles are to be removed from the polluting process, for example vacuuming and grinding jobs in the industry, repair shops or hotels where the separated particles must be collected and disposed of.

Geovent High Vacuum Unit is produced with high quality European components and is supplied complete with filter cartridge and filter cyclone, cleaning system with compressed air and available with customized controls.

Geovent's modular High Vacuum system is customized and designed specifically for the application. Typically a High Vacuum System consists of:

HVU Solo,
Filter cyclone,
Control panel

A pre-separator can be added to separate the largest particles before it reaches the filter cartridge.

Geovent carry a wide range of accessories for our High Vacuum Units including hoses, tubes, valves and energy satellites.

HVU Solo. Stand-alone side channel blower module.



HIGH VACUUM UNIT

Energy arm

Geovent Energy arm is used where power, compressed air and extraction is needed at the workplaces, as well as where flexibility is required.

Geovent Energy arm is delivered as standard with 4 meters (03-680) or 6 meters arm (03-681), spring balancer and two 2 tool hangers, 1 x $\varnothing 50$ mm high vacuum outlet (AD50 valve w. flap), 2 pcs. 230V, 1 pc. 3x400V 16A power outlet, 1 on/off button and 2 compressed air outlets. All connections are gathered in $\varnothing 125$ mm flex hose.

Geovent Energy arm can be customized.



HVU - fully automatic compressed air filtration, 99.9% efficiency

HVU high vacuum description

The side channel blower is placed inside a galvanized sound insulated enclosure. The unit will be delivered as standard with control panel, filter cyclone, inlet filters and safety valve.

The HVU is delivered as standard for indoor use. The cabinet can upon request be sound insulated inside and is as standard provided with a gate for easy access to service. Motor cooling takes place via ventilation holes in the cabinet.

The heart of the HVU unit is a European produced side channel blower, which as standard can be delivered from 5,5 to 15 kW. In special needs we can deliver up to 20 kW.

The HVU can be upgraded with a "police filter" which protects the side channel blower from dust that is not caught by the main filter (fx. cleaning or leakage).

The control unit is delivered in a separate lacquered steel cabinet and is supplied with automatic start/stop function as standard. The start/stop function is activated via the micro-controller on the outlet valves or external contacts. Standard control panel is delivered for 3x400V, 50Hz and can be delivered with built-in frequency inverter and PLC at extra cost, customized for the task.

HVU Lite - 99,9% filtration efficiency and automatic pneumatic filter cleaning



Complete High Vacuum Unit with filter cyclone for extraction of dust from grinding processes, brake dust and work station cleaning. The unit is supplied with 99,9% antistatic filter cartridge of 6m², collection bucket of 18 litres, start/stop control and automatic cleaning. HVU Lite is suitable for use in up to 6 hours a day from 1 - 4 outlets.

Art. No.	Description	[kW]	[Volt]	[m ³ /h] v/ 0 Pa	[kPa] Max
03-840	HVU Lite 55 STD With fully automatic pneumatic cleaning, automatic start/stop control panel and vacuum protection for side channel blower (overload protection).	5,5	3 x 400	500	22,5 kPa
03-841	HVU Lite 55 FRQ With fully automatic pneumatic cleaning, automatic start/stop, frequency inverter and vacuum protection for side channel blower (overload protection).	5,5	3 x 400	500	22,5 kPa

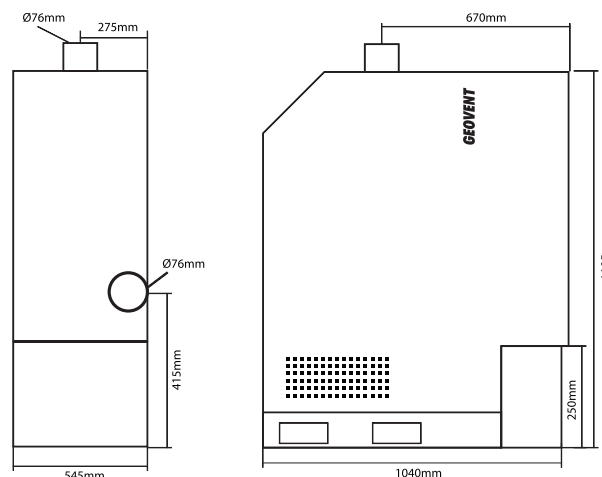
Dimensions: HxWxD = 1200 x 550 x 1000 mm

Connection: ø76 mm inlet on the front of the cyclone / ø76 mm outlet on the top.

Noise level: 74db(A)

Compressed air: 3,5 - 5 bar clean and dry air.

Model	HVU-Lite
Power [kW]	5,5
Power consumption 100% load	13,0 A
Max. air flow	500
Max vacuum [kPa]	22,5
Filter surface area [m ²]	5
Filtration level acc. to BIA-test [%]	99,9
Sound pressure level	74dBA
Compressed air tank [litres]	4
Collection bucket [litres]	12
Cabinet + cyclone ø700 mm	Powder coated
Corrosion class (indoor)	II
Weight [kg]	140
øD	76
ød	76



HVU-Lite Dimensions

HVU - w. fully automatic pneumatic filter cleaning, at 99,9% efficiency



Geovent high vacuum unit HVU (over 20 kPa). Suitable for vacuuming at pre-sale preparation of cars, grinder dust or in connection with energy arms. The unit is supplied with a two-step filter cyclone with an efficiency of 99,9% and fully automatic pneumatic filter cleaning.

Complete with control panel for automatic start/stop, and vacuum protection. The HVU is suitable for intensive use - up to 8-10 hours a day and can be connected to up to 12 outlets.

Art. No.	Description	[kW]	[Volt]	[m ³ /h] v/ 0 Pa	[kPa] Max
03-652	HVU-7 Complete unit 3x400V	7,5	3x400v	700	27 kPa
03-653	HVU-11 Complete unit 3x400V	11	3x400v	1200	18,5 kPa
03-654	HVU-15 Complete unit 3x400V	15	3x400v	1200	31,5 kPa

Available with demand control upon request.

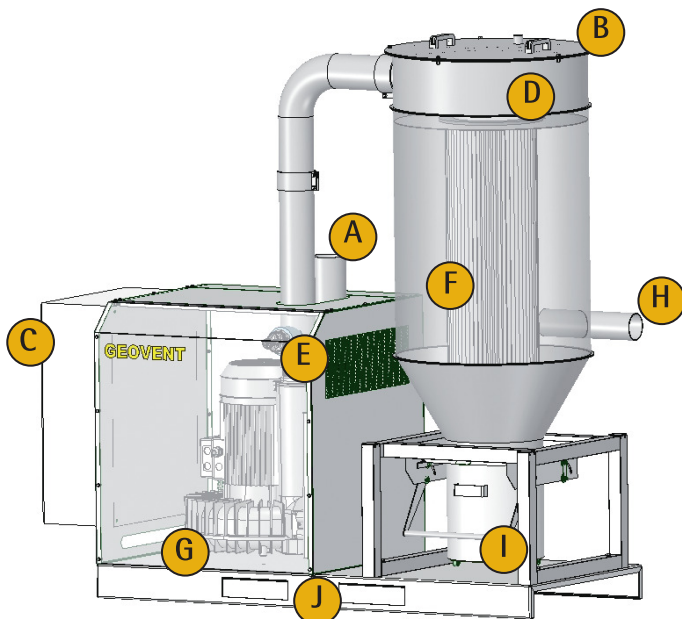
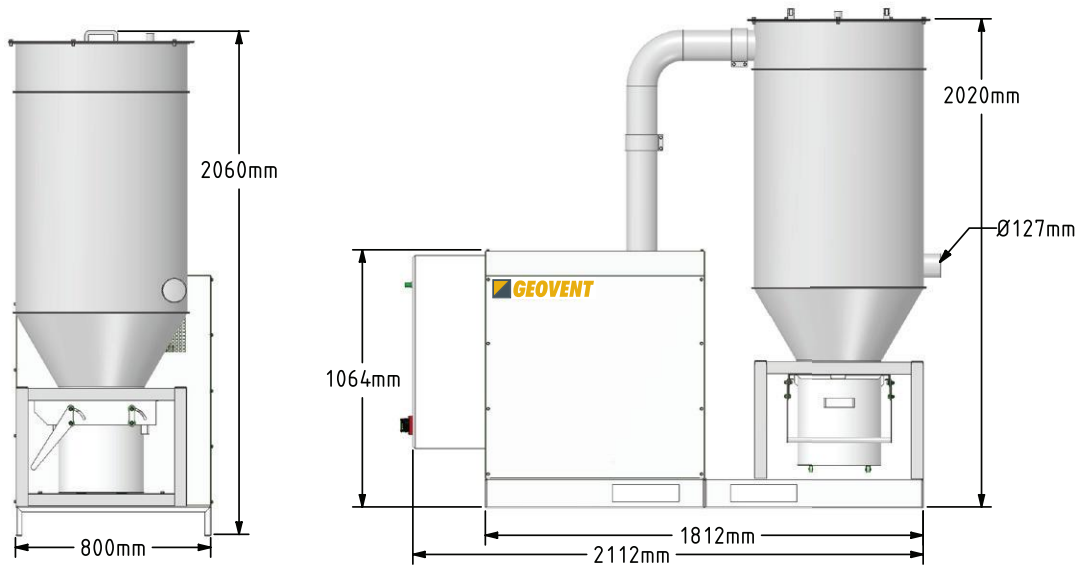
Note: All HVU-units are available with frequency inverter for increased performance. See dotted curves (60Hz).

Data for HVU



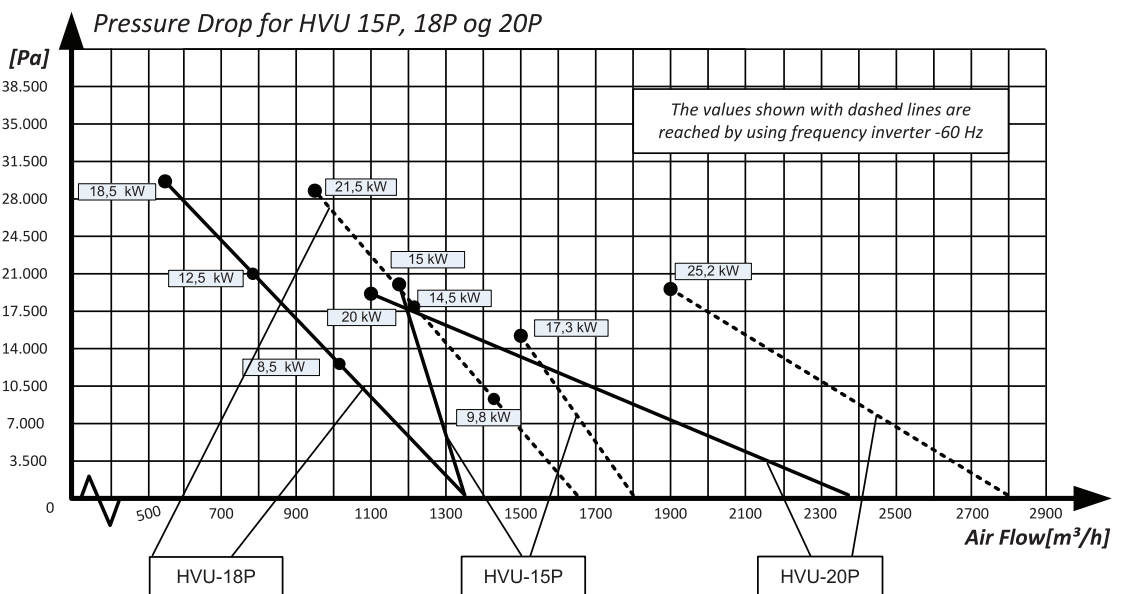
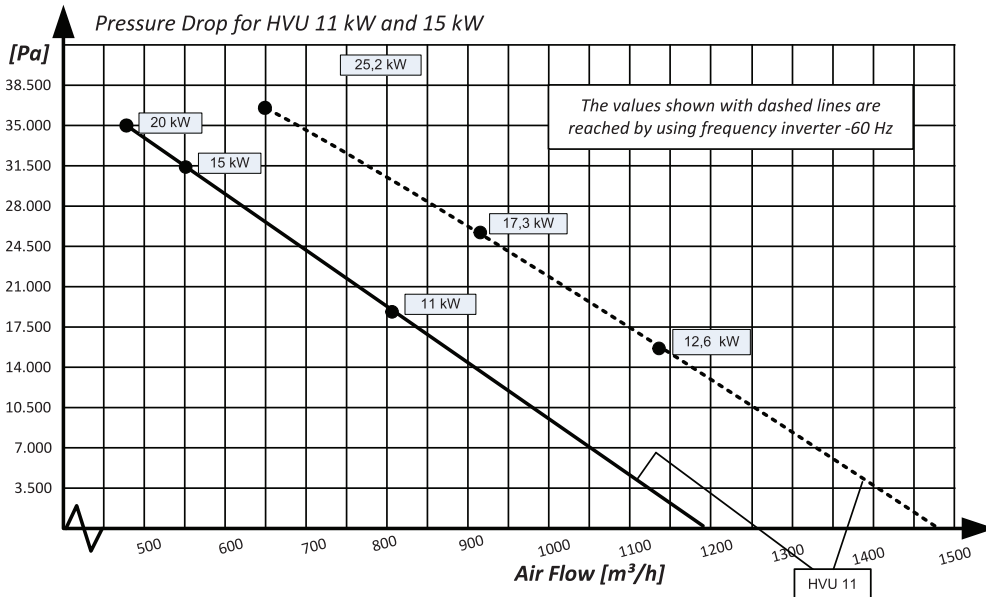
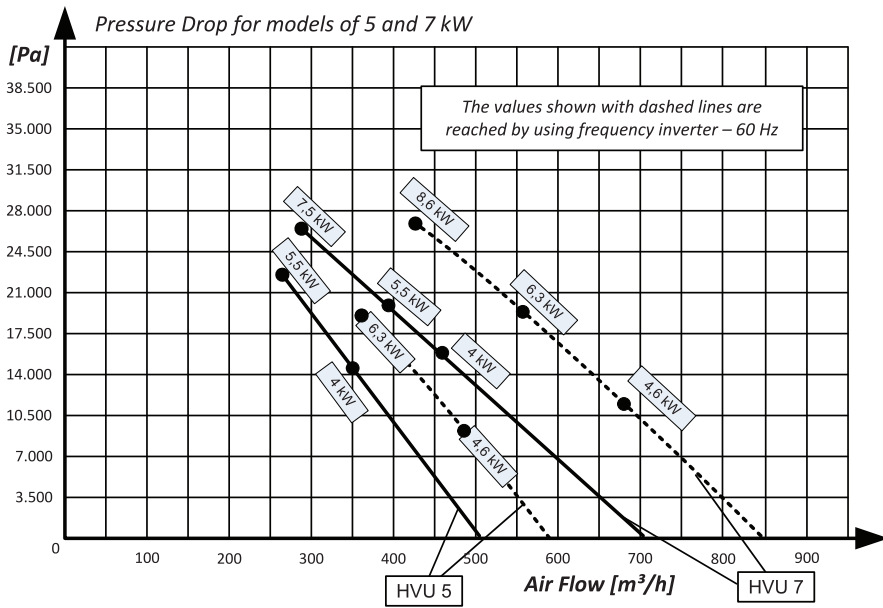
Model	HVU-7	HVU-11	HVU-15
Power [kW]	7,5	11	15
Power consumption 100% load	16,7 A	26,2 A	32,0 A
Max. air flow	700	1200	1200
Max vacuum [kPa]	27	18,5	31,5
Filter surface area [m ²]	12	12	12
Filtration level acc. to BIA-test [%]	99,9	99,9	99,9
Sound pressure level	74 dBA	75 dBA	76 dBA
Compressed air tank [litres]	4	4	4
Collection bucket [litres]	34	34	34
Cabinet + cyclone ø700 mm	Powder coated	Powder coated	Powder coated
Corrosion class (indoor)	II	II	II
Weight [kg]	261	307	328
øD	127	127	127
ød	127	127	127

HVU Dimensions



- A ø127 mm Outlet
- B Removable top
- C Control panel with automatic start/stop and filter cleaning
- D Pneumatic cleaning system
- E Safety valve
- F Filter cartridge - alu-coated polyester tissue - antistatic
- G Shield for side channel blower
- H ø127 mm inlet
- I Collection bucket 34 litres
- J Frame with holes for forklift truck

Pressure drop for Geovent HVU



HVU-IT - integrated demand control and cleaning, 99,9% at 0,3µm



Geovent High Vacuum Unit HVU-IT is for example used for central vacuum cleaning in hotels. This version comes with a two-step filter cyclone with a 5m² filter cartridge and efficiency up to 99,9% and fully automatic pneumatic filter cleaning. Complete with control board with built-in frequency inverter and PLC, for automatic start/stop and demand control.

Blow-out to clean tube system and level indicator.

The side channel blower is equipped with vacuum protection and temperature protection.

Sound insulated cabinet for indoor placement. The HVU-IT is suitable for intensive use and can be connected to up to 12 outlets.

Art. No.	Description	[kW] 50Hz/60Hz	[Volt]	[m ³ /h] v/ 0 Pa	[kPa] Max
03-851	HVU-IT-5 Complete unit	5,5/6,3	3x400V	590	22 kPa
03-852	HVU-IT-7 Complete unit	7,5/8,6	3x400V	850	27 kPa
03-853	HVU-IT-11 Complete unit	11/12,6	3x400V	1475	19 kPa
03-854	HVU-IT-15 Complete unit	15/17,3	3x400V	1475	31 kPa

HVU Solo - stand alone module with side channel blower



Geovent High Vacuum Unit for flexible placement.

The side channel blower is equipped with vacuum protection.

Art. No.	Description	[kW]* 50Hz/60Hz	[Volt]	[m ³ /h] v/ 0 Pa	[kPa] Max
03-951	HVU Solo 5	5,5/6,3	3x400V	590	22 kPa
03-952	HVU Solo 7	7,5/8,6	3x400V	850	27 kPa
03-953	HVU Solo 11	11/12,6	3x400V	1475	19 kPa
03-954	HVU Solo 15	15/17,3	3x400V	1475	31 kPa
03-941	HVU Solo 18 Performance	18,5/21,5	3x400V	1350	31 kPa
03-942	HVU Solo 20 Performance	20/25,2	3x400V	2200	18,5 kPa

* 60Hz requires control panel with frequency inverter

HVU Solo is available in a version with increased performance - up to 2800m³/h. Enquire at Geovent.

HVU Filter cyclone



03-956

Separate filter cyclone for HVU Solo. The unit is equipped with a two-step filtering through a cyclone and a filter cartridge with 99,9% efficiency. The cyclone has shot valves, which cleans the filter cartridge.

Art. No.	Description	Diameter	Connection	Filter Area
03-956	Filter cyclone 11-15	ø450 mm	ø127 mm	5 m ²
03-956A	Filter cyclone 11-15	ø700 mm	ø127 mm	12 m ²

Control panel not included

HVU Control panel



Available in 2 versions: STD and FRQ.

STD with automatic, pneumatic filter cleaning and automatic start/stop.

FRQ come with built-in frequency inverter for demand control, automatic, pneumatic filter cleaning and automatic start/stop.

Art. No.	Description
19-133	HVU ST 5 STD For HVU Solo 5 and 7, with direct start
19-131	HVU ST 11 STD For HVU Solo 11 and 15, with soft-starter
19-121	HVU ST 7 FRQ
19-122	HVU ST 11 FRQ
19-123	HVU ST 15 FRQ

HVU - accessories for units



Art. No.	Description
03-963	Sound insulation Solo cabinet
03-812	Police filter HVU 5
03-813	Police filter HVU 7
03-814	Police filter HVU 11-15
03-957	Pre-seperator HVU 5-7 ø450 mm
03-958	Pre-seperator HVU 11-15 ø450 mm
03-958A	Pre-seperator HVU 11-15 ø700 mm
20-032	Bin sensor, placed inside cyclone. Senses when the bin is full, and sends signal to the control panel. ATEX rated as standard.

Accessories for cyclone for High Vacuum Units



Art. No.	Description
03-966	Emptying system with hatch. Pneumatic driven hatch, opens once the cleaning system is done cleaning. Steel construction 50x50 mm painted steel. Excl. control panel.
03-967	Empty system with double cut dampers. Steel construction 50x50 mm, painted.
03-968	Longopac solution, including mounting console - 700x700x2497 mm. Steel construction 50x50 mm painted, with manual damper, makes it easy to empty the cyclone, without ever getting in contact with the material.

Accessories



Longopac bag

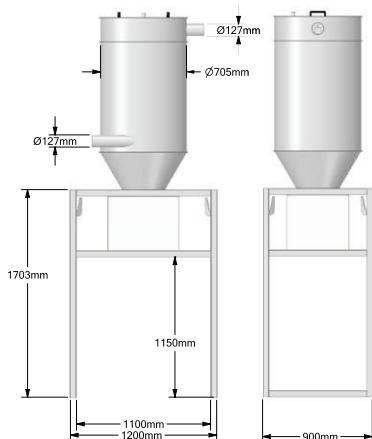


Big bag

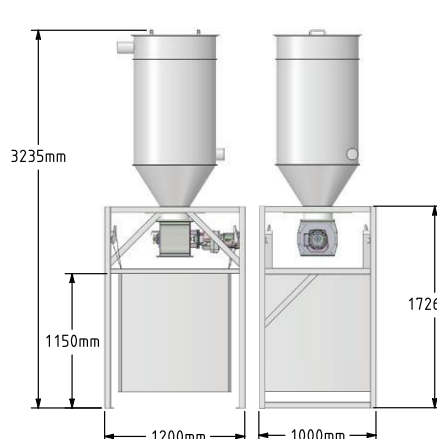
Art. No.	Description
03-968-B	Longopac bag, Maxi Strong ESD
03-965-A	Big bag - 91x91x104 cm. SWL 1500 kg.

Dimensions

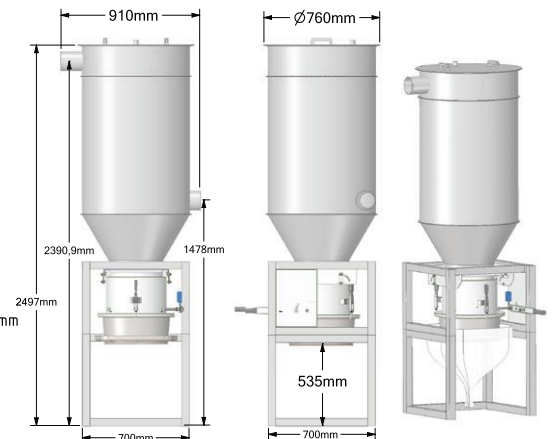
Pneumatic driven hatch



Solution with rotary valve



Longopac solution



Accessories for HVU



Hose reel for high vacuum. When not in use the hose is wound up on the reel. The hose reel has an automatic damper, which opens when the hose is pulled out and a micro switch for start/stop of the unit. By default supplied with antistatic hose and pivotable mounting bracket. Wall or ceiling mounting. Connection \varnothing 50 mm.

Art. No.	Description
74-051	Hose reel with 9m, \varnothing 38 mm hose
74-052	Hose reel with 7m, \varnothing 50 mm hose

Special hose reels can be supplied on request

74-480	ASA-HV50 arm for high vacuum 2m, \varnothing 50 mm
74-481	ASA-HV50 arm for high vacuum 3m, \varnothing 50 mm
74-482	ASA-HV50 arm for high vacuum 4m, \varnothing 50 mm
74-483	Mini-HV50 arm for high vacuum 1m, \varnothing 50 mm
74-484	Mini-HV50 arm for high vacuum 1,5m, \varnothing 50 mm
74-485	Muffled HV hood with magnet

01-130HV	Extension arm ASA HV 2m \varnothing 50
01-131BHV	Extension arm ASA HV 4m \varnothing 50, 2 joint
01-131HV	Extension arm ASA HV 4m \varnothing 50, 1 joint

03-259	Replacement cartridge \varnothing 315 mm, HVU and HVU Filter cyclone. 12 m ² - alu coated 100% polyester PTFE. Antistatic
03-260	Replacement cartridge \varnothing 225 mm for HVU-Lite 5 m ² alu coated 100% polyester PTFE. Antistatic
03-685	Energy satellite with \varnothing 80 mm high vacuum outlets, \varnothing 150 mm low vacuum outlet, 1 pc. 400V and 2 pcs. 230V power outlets and 2 compressed air outlets. Customizable.
03-680	Energy arm 4m with 2 tool hangers, 1 x \varnothing 50 mm high vacuum outlet AD50 with flap, 2 pcs. 230V and 1 pc. 400V 16 amp. power outlets. On/off button and 2 outlets for compressed air. Connection on duct side is put together in a \varnothing 125 mm flex hose. Equipped with spring balancer. Customizable.
03-681	As above but 6 meter



Energy arm 4m. Art. No. 03-680

Accessories for HVU



Art. No.	Description
74-058	Hose cart for high vacuum hose, with 2 connected hose reels, each with 9 m ø38 mm hose. Total range is approx 18 m. The reel has spring return system with stop mechanism.
74-060	Complete industrial vacuuming set ø32 mm for high vacuum: <ul style="list-style-type: none"> -Floor brush -Telescopic tube and handle with 10,5 m hose ø32 mm -Round brush -Pointed mouth piece -Furniture mouth piece -Basket for accessories and hose holder -Start/Stop button in handle

Accessories for HVU, ø38 mm



Art. No.	Description
74-502	Floor brush mouth piece for industrial use, metal, ø38 mm
74-504	Brush mouth piece, ø38 mm
74-505	Slit mouth piece, ø38 mm
74-500	Tube for floor brush. One set = 1 bend and 1 two-piece tube
74-501	Steel tube, two-piece
74-501	Steel bend ø38 mm
74-506	Hose connector ø38 mm for GeoFlex High ø38 mm. Fits ø38 mm steel tube

Accessories for HVU, ø50 mm



Art. No.	Description
74-552	Floor brush mouth piece for industrial use, metal, ø50 mm
74-553	Slit mouth piece, ø50 mm
74-550	Tube for floor brush. One set = 1 bend and 1 two-piece tube
74-550	Steel tube, two-piece, ø50 mm
74-551	Steel bend ø50 mm
74-554	Hose connector ø50 mm for GeoFlex High ø50 mm. Fits ø50 mm steel tube

Accessories for HVU



Art. No.	Description
74-077	Hose holder for wall
05-122	AD50 flap valve, glass reinforced nylon, without microswitch
74-081	AD50 flap valve, glass reinforced nylon, with microswitch
74-082	Outlet ø50 mm with AD50 flap valve. Galvanized pipe and wall bracket. With microswitch. For ø50 mm pipe.
74-101	Double outlet w. 2xAD50 flap valve and wall bracket. Powder coated. For ø100 mm pipe. Additional charge for micro switch applies.
05-123	AKV universal adapter (male) for AD50. Suits hose ø25-ø45 mm
05-127	AKV adapter (male) for AD50. Suits hose ø50 mm
05-128	AKV hose reduction, ø25 => ø32 => ø38 => ø45 => ø50 mm



Flap valve



Y-pipe



Hose coupling



Compressed air damper



Branch pipe

Accessories for HVU

Art. No.	Description
74-600	Metal flap valve $\varnothing 50$ - $\varnothing 50$
74-601	Metal flap valve $\varnothing 63$ - $\varnothing 50$
74-602	Metal flap valve $\varnothing 63$ - $\varnothing 63$
74-603	Metal flap valve $\varnothing 76$ - $\varnothing 63$
74-604	Metal flap valve $\varnothing 76$ - $\varnothing 76$
74-610	Metal flap valve $\varnothing 50$ - $\varnothing 50$ w/microswitch
74-611	Metal flap valve $\varnothing 63$ - $\varnothing 50$ w/microswitch
74-612	Metal flap valve $\varnothing 63$ - $\varnothing 63$ w/microswitch
74-613	Metal flap valve $\varnothing 76$ - $\varnothing 63$ w/microswitch
74-614	Metal flap valve $\varnothing 76$ - $\varnothing 76$ w/microswitch
74-620	Hose coupling $\varnothing 50$ - $\varnothing 38$ for metal flap valve $\varnothing 50$ and hose $\varnothing 38$
74-622	Hose coupling $\varnothing 50$ - $\varnothing 50$ for metal flap valve $\varnothing 50$ and hose $\varnothing 50$
74-623	Hose coupling $\varnothing 63$ - $\varnothing 50$ for metal flap valve $\varnothing 63$ and hose $\varnothing 50$
74-624	Hose coupling $\varnothing 63$ - $\varnothing 63$ for metal flap valve $\varnothing 63$ and hose $\varnothing 63$
74-625	Hose coupling $\varnothing 76$ - $\varnothing 50$ for metal flap valve $\varnothing 760$ and hose $\varnothing 50$
74-626	Hose coupling $\varnothing 76$ - $\varnothing 63$ for metal flap valve $\varnothing 76$ and hose $\varnothing 63$ mm
74-627	Hose coupling $\varnothing 76$ - $\varnothing 76$ for metal flap valve $\varnothing 76$ and hose $\varnothing 76$ mm
74-640	Connection piece $\varnothing 50$ for 2 hose couplings
74-641	Connection piece $\varnothing 63$ for 2 hose couplings
74-642	Connection piece $\varnothing 76$ for 2 hose couplings
74-660	Compressed air damper $\varnothing 50$ mm
74-661	Compressed air damper $\varnothing 63$ mm
74-662	Compressed air damper $\varnothing 76$ mm
74-663	Compressed air damper $\varnothing 102$ mm
74-664	Compressed air damper $\varnothing 127$ mm
74-665	Compressed air damper $\varnothing 152$ mm
74-666	Compressed air damper $\varnothing 160$ mm
74-667	Compressed air damper $\varnothing 200$ mm
74-670	Manual slide damper $\varnothing 50$ mm
74-671	Manual slide damper $\varnothing 63$ mm
74-672	Manual slide damper $\varnothing 76$ mm
74-673	Manual slide damper $\varnothing 102$ mm
74-674	Manual slide damper $\varnothing 127$ mm
74-675	Manual slide damper $\varnothing 152$ mm
74-680	Manual slide damper w/ microswitch $\varnothing 50$ mm
74-681	Manual slide damper w/ microswitch $\varnothing 63$ mm
74-682	Manual slide damper w/ microswitch $\varnothing 76$ mm
74-683	Manual slide damper w/ microswitch $\varnothing 102$ mm
74-684	Manual slide damper w/ microswitch $\varnothing 127$ mm
74-685	Manual slide damper w/ microswitch $\varnothing 152$ mm

Duct and fittings high vacuum

Art. No.	Description
74-270	Galvanized pipe $\varnothing 50$ mm, length=3000 mm
74-270L	Galvanized pipe $\varnothing 50$ mm, length=6000 mm
74-271	Galvanized pipe $\varnothing 63$ mm, length=3000 mm
74-271L	Galvanized pipe $\varnothing 63$ mm, length=6000 mm
74-272	Galvanized pipe $\varnothing 76$ mm, length=3000 mm
74-272L	Galvanized pipe $\varnothing 76$ mm, length=6000 mm
74-273	Galvanized pipe $\varnothing 102$ mm, length=3000 mm
74-273L	Galvanized pipe $\varnothing 102$ mm, length=6000 mm
74-274	Galvanized pipe $\varnothing 127$ mm, length=3000 mm
74-274L	Galvanized pipe $\varnothing 127$ mm, length=6000 mm
74-274A	Galvanized pipe $\varnothing 152$ mm, length=3000 mm
74-274AL	Galvanized pipe $\varnothing 152$ mm, length=6000 mm
74-274B	Galvanized pipe $\varnothing 203$ mm, length=3000 mm
74-274BL	Galvanized pipe $\varnothing 203$ mm, length=6000 mm
74-275	Branch pipe 50/50 mm 45°, galv. length=300 mm
74-276	Branch pipe 63/63 mm 45°, galv. length=300 mm
74-277	Branch pipe 63/50 mm 45°, galv. length=300 mm
74-278	Branch pipe 76/76 mm 45°, galv. length=300 mm
74-279	Branch pipe 76/63 mm 45°, galv. length=300 mm
74-280	Branch pipe 76/50 mm 45°, galv. length=300 mm
74-284	Branch pipe 102/102 mm 45°, galv. length=300 mm
74-283	Branch pipe 102/76 mm 45°, galv. length=300 mm
74-282	Branch pipe 102/63 mm 45°, galv. length=300 mm
74-281	Branch pipe 102/50 mm 45°, galv. length=300 mm
74-450	Branch pipe 127/127 mm 45°, galv. length=300 mm



Ducts



Bends



Reductions



Connectors

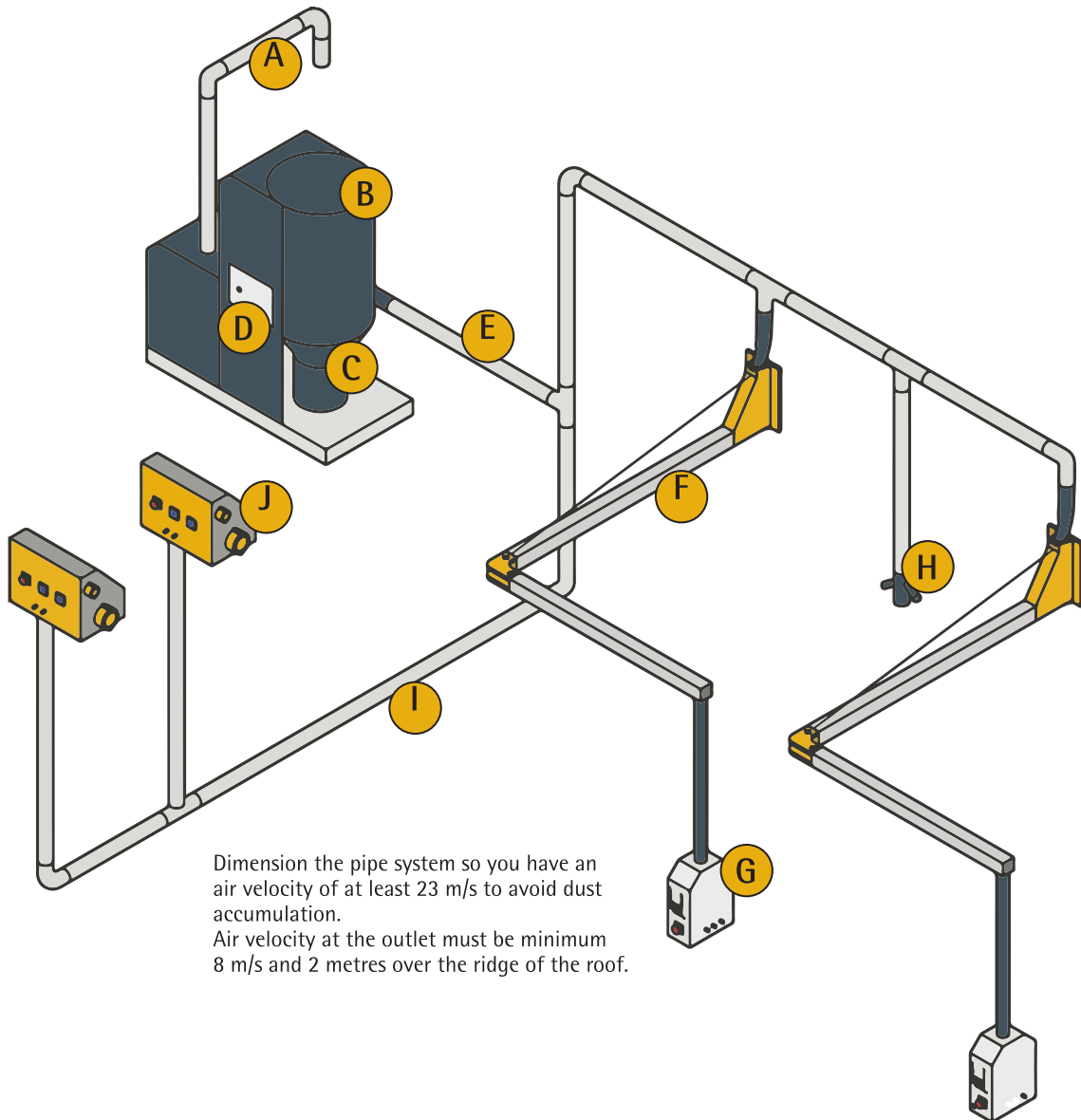
Duct and fittings high vacuum

Art. No.	Description
74-451	Branch pipe 127/102 mm 45°, galv. length=300 mm
74-452	Branch pipe 127/76 mm 45°, galv. length=300 mm
74-453	Branch pipe 127/63 mm 45°, galv. length=300 mm
74-454	Branch pipe 152/152 mm 45°, galv. length=300 mm
74-455	Branch pipe 152/127 mm 45°, galv. length=300 mm
74-456	Branch pipe 152/102 mm 45°, galv. length=300 mm
74-457	Branch pipe 152/76 mm 45°, galv. length=300 mm
74-458	Branch pipe 152/63 mm 45°, galv. length=300 mm
74-459	Branch pipe 203/127 mm 45°, galv. length=300 mm
74-459A	Branch pipe 203/152 mm 45°, galv. length=300 mm
74-459B	Branch pipe 203/203 mm 45°, galv. length=300 mm
74-264	Y pipe ø50 mm for high vacuum
74-265	Y pipe ø63 mm for high vacuum
74-266	Y pipe ø76 mm for high vacuum
74-267	Y pipe ø102 mm for high vacuum
74-268	Y pipe ø127 mm for high vacuum
74-269	Y pipe ø152 mm for high vacuum
74-269A	Y pipe ø203 mm for high vacuum
74-285	Bend ø50x90°, centre radius=160 mm
74-286	Bend ø63x90°, centre radius=160 mm
74-287	Bend ø76x90°, centre radius=160 mm
74-287A	Bend ø102x90°, centre radius=160 mm
74-287C	Bend ø127x90°, centre radius=160 mm
74-287D	Bend ø152x90°, centre radius=160 mm
74-287E	Bend ø203x90°, centre radius=160 mm
74-288	Bend ø50x45°, centre radius=160 mm
74-289	Bend ø63x45°, centre radius=160 mm

Duct and fittings high vacuum

Art. No.	Description
74-290	Bend ø76x45°, centre radius=160 mm
74-290A	Bend ø102x45°, centre radius=160 mm
74-290C	Bend ø127x45°, centre radius=160 mm
74-290D	Bend ø152x45°, centre radius=160 mm
74-290E	Bend ø203x45°, centre radius=160 mm
74-291	Reduction 63-50
74-292	Reduction 76-63
74-293	Reduction 76-50
74-294A	Reduction 102-76
74-294	Reduction 102-63
74-460	Reduction 127-102
74-461	Reduction 127-76
74-462	Reduction 152-127
74-463	Reduction 152-102
74-464	Reduction 203-152
74-295	Pipe connection ø50 mm w/ antistatic seal
74-296	Pipe connection ø63 mm w/ antistatic seal
74-297	Pipe connection ø76 mm w/ antistatic seal
74-298	Pipe connection ø102 mm w/ antistatic seal
74-299	Pipe connection ø127 mm w/ antistatic seal
74-299A	Pipe connection ø152 mm w/ antistatic seal
74-299B	Pipe connection ø203 mm w/ antistatic seal
74-310	End cap ø50 mm
74-311	End cap ø63 mm
74-312	End cap ø76 mm
74-313	End cap ø102 mm
74-314	End cap ø127 mm
74-134A	End cap ø152 mm
74-314B	End cap ø203 mm
74-315	Suspension bracket for pipe connection

All pipe and fittings are galvanized inside and outside.
Pipe and fittings are available in stainless steel - enquire.



Dimension the pipe system so you have an air velocity of at least 23 m/s to avoid dust accumulation.
Air velocity at the outlet must be minimum 8 m/s and 2 metres over the ridge of the roof.

Description

- A. Outlet - clean air
- B. High Vacuum Unit
- C. Filter cyclone with collection bucket
- D. Control panel with automatic start/stop
- E. \varnothing 125 mm High Vacuum pipes
- F. Extension arms 4 or 6 m.
- G. Energy console with 2 High Vacuum outlets.
1 pc. 400V and 1 pc. 230V power outlet
3 compressed air outlet with start/stop for High Vacuum unit. Customisable on request.
- H. 2 \varnothing 50 mm High Vacuum outlets w/microswitch for start/stop of High Vacuum unit.
- I. Pipes below floor
- J. Energy satellite with \varnothing 80 mm High Vacuum outlets,
 \varnothing 150 mm Low Vacuum outlet, 1 pc. 400V and 2 pcs. 230V power outlet and 2 compressed air outlet.

Application

Grinding dust extraction from rotary and vibration sanders.
Extraction of metal shavings from milling, turning and sawing processes.
Ordinary work station cleaning.

GeoFilter GFX2 – ATEX filter for zone 20, 21 and 22



Art. No.	Description	Filter areal	Max m ³ /h
16-450	GeoFilter GFX2-3-1	30 m ²	1800
16-451	GeoFilter GFX2-6-2	60 m ²	3600
16-452	GeoFilter GFX2-9-3	90 m ²	5400
16-453	GeoFilter GFX2-12-4	120 m ²	7200

Geovent GFX2 filter is used for ATEX processes with explosive dust, making it suitable for dust applications such as aluminum dust, magnesium, flour and more in zone 20, 21 and 22. The filter is 99,9% efficient at 0,3 µm, and is cleaned automatically by using shot valves with compressed air.

The filter is galvanized and is supplied with a 25 l collection bucket.

A GFX2 filter is supplied complete with ATEX control, explosion membrane, spark proof filter cartridges, ATEX shot valves and full ATEX documentation. KST and Pmax values stated at order.

Compressed air	Air consumption	Power supply	Temperature	Typical pressure drop	Sound level	Prtection class
3 - 6 bar clean and dry air*	3,0 liter/min per valve	24V DC or 230 V AC	-12°C - +65°C	1.000-1.500 Pa	<68 dB(A)	Class C

*Depending on the processes

HVUX – High vacuum units for ATEX-applications



GEOVENT high vacuum units (HVU and HVU Lite), are available in ATEX versions for use with dust applications. HVUX and HVUX Lite are designed for a dust filled atmosphere classified as zone 21 or 22.

HVUX og HVUX Lite are tailored to suit your needs. They are available with for example ATEX side channel blower, explosion membrane, police filer (extra protection in case of leak in the primary filter) and customized control with several alarm options.

We have a range of different emptying systems available for ATEX filters and for our standard filters. Contact us for more information.

Explosion retention valve



Pressure tested to 2.2 bar and approved according to 2014/34/EU (kst. 200 bar/ms). Can be added to new and existing installations. If an explosion occurs, the damper closes automatically, due to the damper plate weight. Strong steel construction and painted in RAL 5010 (blue). Other RAL colors available upon request.

Art. No.	Description
16-596	Explosion retention valve ø100 mm ST1
16-597	Explosion retention valve ø100 mm ST2
16-598	Explosion retention valve ø125 mm ST1
16-599	Explosion retention valve ø125 mm ST2
16-601	Explosion retention valve ø200 mm ST1
16-602	Explosion retention valve ø250 mm ST1
16-603	Explosion retention valve ø300 mm ST1
16-604	Explosion retention valve ø350 mm ST1
16-605	Explosion retention valve ø400 mm ST1
16-606	Explosion retention valve ø450 mm ST1
16-607	Explosion retention valve ø500 mm ST1
16-608	Explosion retention valve ø550 mm ST1
16-609	Explosion retention valve ø600 mm ST1