

PROFESSIONAL AIR DUCT CLEANING EQUIPMENT



Pressovac

The company

Pressovac Oy is a manufacturer of professional duct cleaning equipment. The company was founded in 1991 and is located in Muurame, central Finland. With more than 30 years of experience, we are a dynamic, internationally trusted enterprise that excels in pioneering technological development in the field of air and grease duct cleaning equipment. The quality of our products is tested in more than 30 countries worldwide and is acknowledged by the expanding number of our international customers.



Pressovac Oy
FINLAND
www.pressovac.fi

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Is cleaning air ducts necessary?

Nowadays we spend almost 90% of our time indoors. The quality of indoor air crucially affects our work efficiency, comfort and health.

In any indoor environment there is a considerable amount of contaminants and air pollutants, such as dander, dust, debris and chemicals. These contaminants are pulled into ventilation system and re-circulated on average 5 to 7 times per day. Although filters are used, with time the re-circulation of air causes a build-up of contaminants in the air ducts.



Sick buildings – sick people

The combination of dust accumulation and humidity condensated in the ventilation channels becomes the ideal breeding ground for harmful microbes, bacteria, algae and mold. Dirty ducts in many cases contribute to larger health issues, such as Sick Building Syndrome (SBS) that causes and aggravates serious health problems – respiratory system diseases, autoimmune disorders and environmental allergies. According to some studies, one third of the buildings suffer from SBS.

Legislation enforcement

In attempt to eliminate problems caused by the lack of hygiene and maintenance of ventilation systems, there is worldwide trend to enforce legislation regarding regular maintenance and cleaning of air ducts systems in public, industrial and living spaces.

Energy savings

The ventilation system relies on good air flow in order to function optimally. Dirt and dust accumulated in the ducts hinder airflow thus forcing the ventilation system into excessive consumption of energy. Besides wasting up to 40% of energy, it makes the ventilation devices work harder and thus shortens their lifetime.

What do you need to clean air ducts?



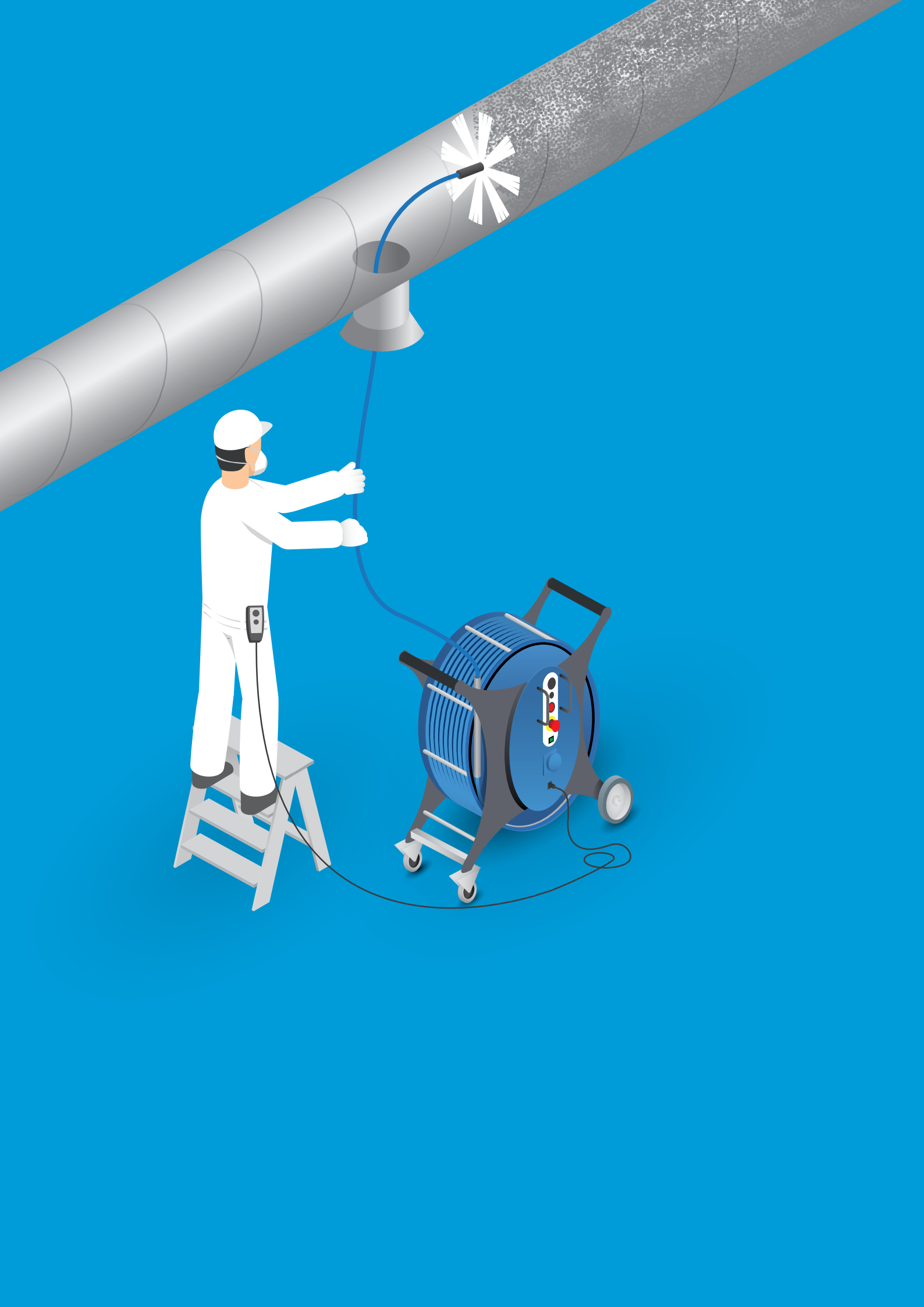
BRUSHING EQUIPMENT
to remove dust from
the inner walls of the duct



VACUUMING EQUIPMENT
to extract dust from the duct



INSPECTION EQUIPMENT
to check the state of the duct
before and after cleaning



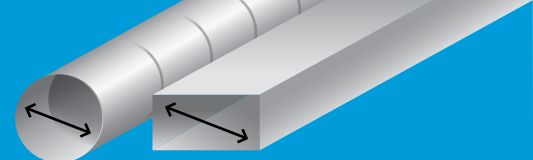


Brushing equipment

Pressovac offers a wide range of brushing devices providing air duct cleaning professionals with the best tools for any cleaning task. From drill powered mini shafts and compact electric devices to powerful pneumatic machines, our equipment is perfect for cleaning any ventilation system - whether small, flexible ducts of a private property or large air ducts of an industrial facility.

Pneumatic brushing machine

P-25 / P-40



200-1200mm

This resistant brushing device with powerful pneumatic motor and integrated retractable multitube hose is the best choice for cleaning medium to large rectangular and round air ducts up to 1200mm in diameter. Multiple optional add-on mechanisms and functionalities allow you to customize this device to meet your specific cleaning needs.



T-adapter



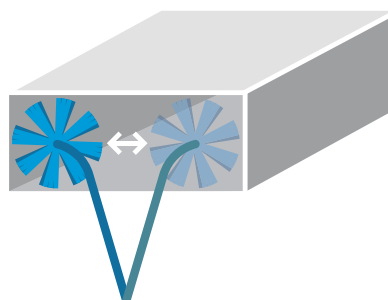
L-brush Ø150-500mm



- Simple and robust
- Long-lasting, powerful pneumatic motor
- Durable and flexible multitube hose
- Retractable reel system
- Integrated motor lubrication system
- Pre-installed hoses and connector for disinfection
- Pre-installed hoses and control switch for pneumatic brush centralizer
- User-friendly control panel
- Lightweight, easy to manoeuvre and transport

Automatic brush direction change

Pressovac patented automatic brush direction change function allows brush to automatically move from side to side within adjustable timeframe. This is the optimal solution for proper cleaning of large rectangular ducts.





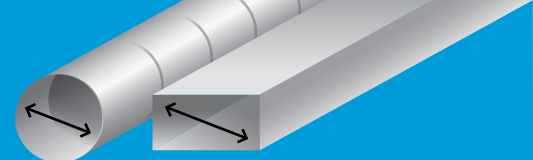
Technical Specifications	P-25	P-40
Multitube hose length	25m	40m
Weight	30kg	40kg
Dimensions (LxHxW)	100x100x60cm	
Motor type	pneumatic motor	
Frame structure	aluminum	
Compressed air consumption	300 L/min, 7-10 bar	
Brush rotation speed	600rpm	
Brush rotation direction	left/right	
Motor lubrication system	integrated	
Pneumatic brush centralizer	optional	
Wireless remote control	optional	
Automatic brush rotation direction change	optional	
T-adapter set	optional	
Atex compliant version for Zone 21-22	optional	
Metal mesh protection for multitube	optional	

Recommended accessories:

- Portable air compressor K-370
- S- and L-brushes
- Vacuum discs
- Disinfection nozzle and tank
- Pneumatic brush centralizer
- T-adapter set



Electric brushing machine E-25-L



200-800mm

This resistant brushing device with powerful electric motor and integrated retractable multitube hose is the best choice for cleaning medium to large rectangular and round air ducts up to 800mm in diameter. Multiple optional add-on mechanisms and functionalities allow you to customize this device to meet your specific cleaning needs.



Wireless remote control



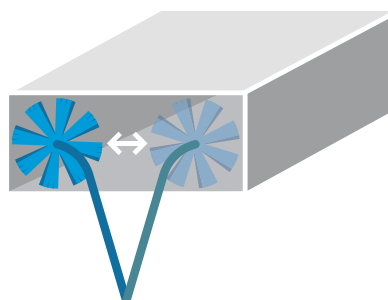
Start/Stop

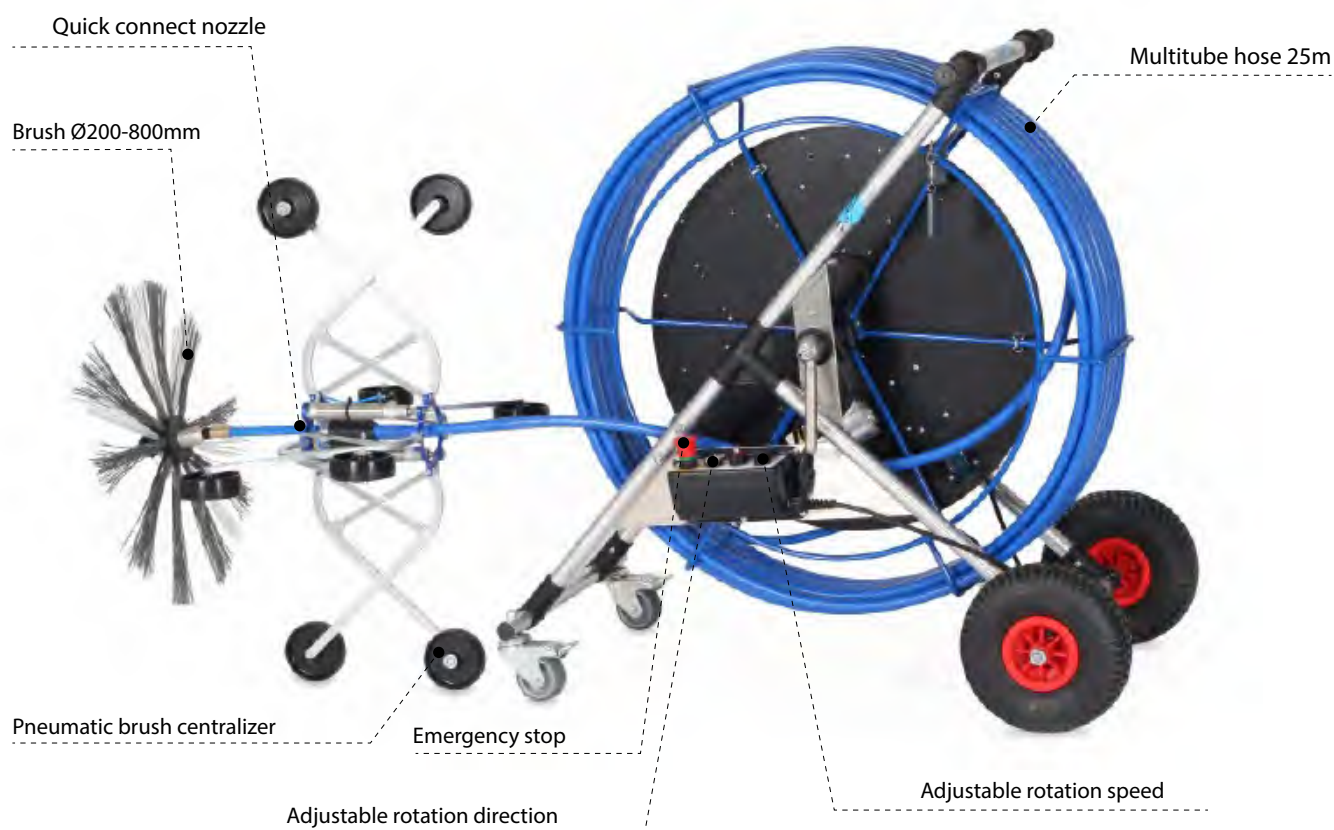
Left/Right rotation

- Simple and robust
- Long-lasting, powerful EC motor
- Durable and flexible multitube hose
- Retractable reel system
- User-friendly control panel
- Pre-installed hoses and connector for disinfection
- Pre-installed hoses and connector for pneumatic brush centralizer
- Automatic shaft safety stop system in case brush gets jammed
- Fast and easy brush replacement without tools
- Lightweight, easy to manoeuvre and transport

Automatic brush direction change

Pressovac patented automatic brush direction change function allows brush to automatically move from side to side within adjustable timeframe. This is the optimal solution for proper cleaning of large rectangular ducts.

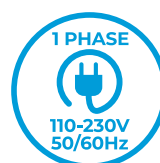




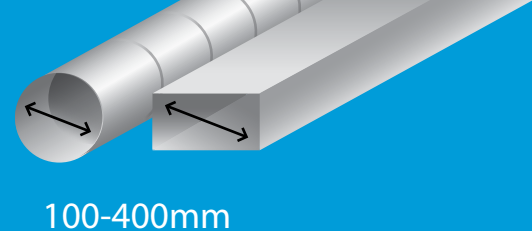
Technical Specifications	E-25-L
Multitube hose length	25m
Weight	54kg
Dimensions (LxHxW)	103x100x60cm
Frame structure	aluminum
Brush rotation direction	left/right
Brush rotation speed	up to 550 rpm
Safety stop system	integrated
Motor type	EC motor
Power supply	1 phase, 110-230V, 50-60Hz, 10A
Automatic brush rotation direction change	optional
Pneumatic brush centralizer	optional
Wireless remote control	optional

Recommended accessories:

- Disinfection nozzle and tank
- S- and L-brushes
- Vacuum discs
- Centering brush set
- Pneumatic brush centralizer



Electric brushing machine E-20 / E-30 / E-20 batt



100-400mm

This compact brushing device with powerful electric motor and integrated retractable flexible shaft is an excellent choice for cleaning small air ducts with multiple 90° curves and diameter up to 400mm.



- Compact and easily operated by one person
- Long-lasting, powerful EC motor
- Durable and highly flexible shaft
- Retractable reel system
- Automatic shaft safety stop system in case brush gets jammed
- Fast and easy brush replacement without tools
- User-friendly control panel
- Remote control
- Lightweight, easy to manoeuvre and transport
- E-20 also available as battery operated version

Wireless remote control



E-brush Ø100-400mm

Easy brush replacement without tools

Easy-detach slots for 18V batteries (in E-20 batt version)

Adjustable rotation direction

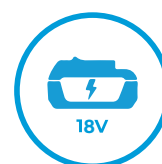
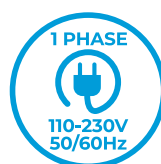
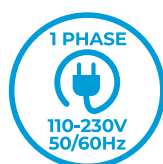
Adjustable rotation speed

Emergency stop

Flexible shaft 20m or 30m



Technical Specifications	E-20	E-30	E-20 batt
Shaft length	20m	30m	20m
Dimensions (LxHxW)	70x71x37cm	70x71x44cm	70x71x37cm
Frame structure	aluminium		
Weight	28kg	33kg	28kg
Brush rotation direction	left/right		
Brush rotation speed	up to 1100 rpm		
Safety stop system	integrated		
Motor type	EC motor		
Power supply	1 phase, 110-230V, 50-60Hz, 10A		1-2 units 18V battery
Wired remote control	optional		
Wireless remote control	optional		

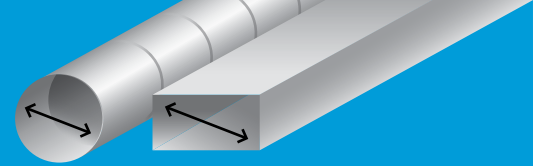


Recommended accessories:

- E-brushes • Centering brushes
- Charger + battery pack (for E20 batt)
- Vacuum discs

Electric brushing machine

E-Box



100-400mm

E-Box is a very compact, portable and lightweight electric brushing device. Combined with a Pressovac shaft, it is suitable for cleaning small air ducts up to 400mm in diameter. Due to its remote control features, this device turns the use of shaft tools into a one-person operation.



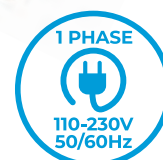
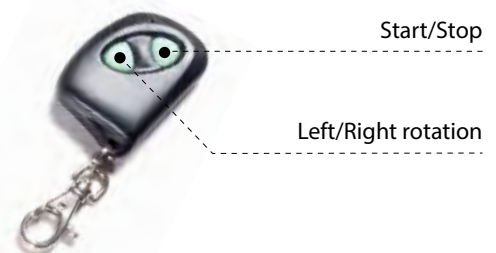
- Ultra compact and easily operated by one person
- Long-lasting, powerful EC motor
- Automatic shaft safety stop system in case brush gets jammed
- Easy to connect shaft without tools
- User-friendly control panel
- Remote control
- Adjustable torque level
- Ultralight and easy to carry

Technical Specifications	E-Box
Shaft length	up to 12m
Dimensions (LxHxW)	39x22x40cm
Frame structure	aluminum
Weight	7,5kg
Brush rotation direction	left/right
Brush rotation speed	up to 1100 rpm
Motor type	EC motor
Power supply	1 phase, 110-230V, 50-60Hz, 10A
Safety stop system	integrated
Torque level adjustment	optional
Wired remote control	optional
Pedal remote control	optional
Wireless remote control	optional
Shaft type compatibility*	mini, flexible or wire shaft

Recommended accessories:

- Shafts
- Brushes
- Vacuum discs

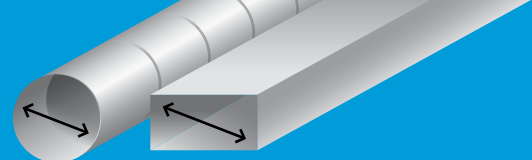
Wireless remote control



* sold separately

Electric brushing machine

E-20-S / E-20-S batt



40-125mm

This super compact brushing device with powerful electric motor and integrated retractable ultra flexible shaft is an excellent choice for cleaning very small air ducts with multiple 90° curves and diameter up to 125mm.

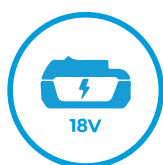
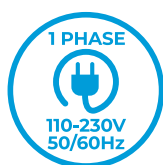


- Ultra compact and easily operated by one person
- Long-lasting, powerful EC motor
- Durable and ultra flexible shaft
- Retractable reel system
- Fast and easy brush replacement
- User-friendly control panel
- Remote control
- Adjustable torque level
- Ultralight and easy to carry
- Also available as battery operated version

Recommended accessories:

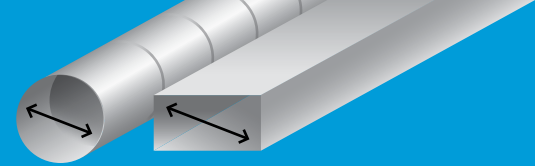
- V-brushes
- Charger + battery pack (for E-20-S batt)

Technical Specifications	E-20-S	E-20-S batt
Shaft length	20m	20m
Dimensions (LxHxW)	51x58x35cm	51x60x35cm
Frame structure	aluminum	
Weight	17kg	
Brush rotation direction	left/right	
Brush rotation speed	up to 1100 rpm	
Motor type	EC motor	
Power supply	1 phase, 110-230V, 50-60Hz, 10A	18V battery
Torque level adjustment	optional	
Wired remote control	optional	
Wireless remote control	optional	
Castor wheels	optional	



Drill powered brushing shaft

Mini / Flexible / Wire



40-630mm

Pressovac shafts are complementary brushing tools recommended for cleaning short air ducts between 40mm and 630mm in diameter. Available in multiple lengths and levels of flexibility, these simple tools are powered by a drill or E-Box.



Technical Specifications	Mini Shaft	Flexible Shaft	Wire Shaft
Duct operating range	40-125mm	100-400mm	100-630mm
Shaft length available	3, 6 or 9m	3, 5, 8 or 12m	3, 5, 8 or 12m
Shaft core type	ultra flexible	flexible	wire
Brush rotation direction	left/right	left/right	left/right
Capacity to pass multiple bends	yes	yes	no
Compatible brush type*	V-brush	E-brush	E- and S-brush
Compatible power source**	E-Box or drill	E-Box or drill	E-Box or drill

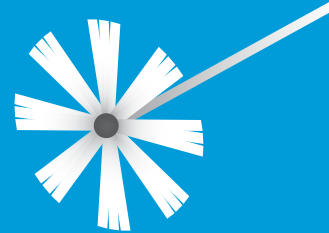
* sold separately

** If the shaft is powered by a drill, two persons are required.

Recommended accessories:

- E-Box
- Brushes
- Vacuum discs
- Carrying bag



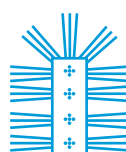
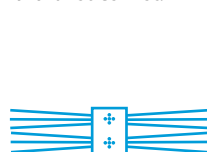


Accessories for brushing machines

Brushes

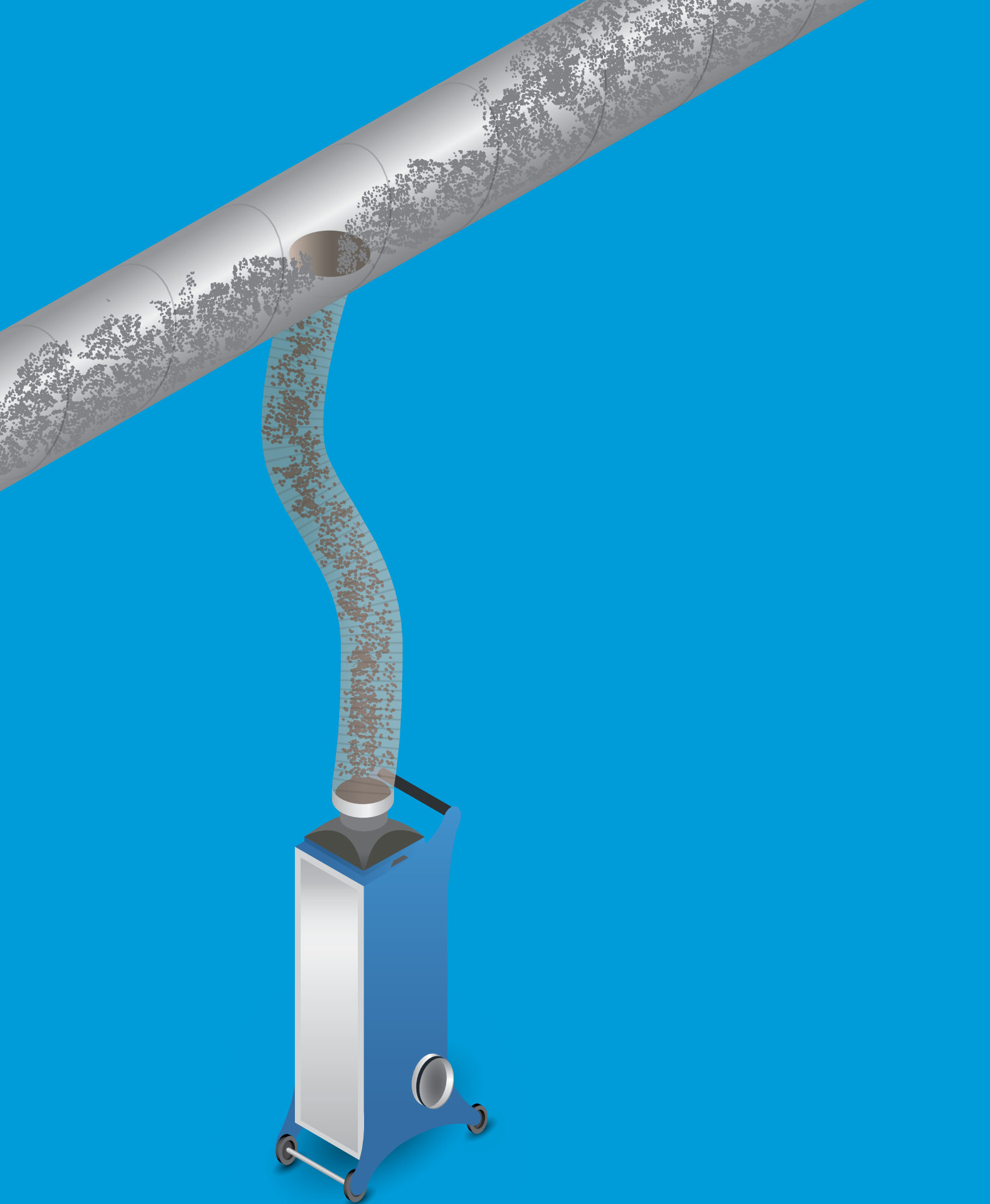
Pressovac offers a large selection of high quality brushes of different forms, sizes, and bristle materials.

The brushes should be selected according to brushing equipment, duct size, and amount of dust in the duct. Brushes with standard bristles are appropriate for cleaning air ducts with thinner layer of dust. For more obstructed ones, we recommend to use brushes with hard bristles first.



Brush type	S-brush	L-brush	E-brush	V-brush
Compatible machines and tools	P-25 / P-40 / E-25-L	P-25 / P-40 / E-25-L	E-20 / E-30 / E-20 batt	E-20-S / E-20-S batt
	Wire shaft (up to Ø630mm)	T-adapter	Flexible shaft Wire shaft	Mini shaft
Compatible ducts	rectangular and round ducts with multiple bends Ø200-1200mm	rectangular and round ducts Ø150-500mm	rectangular and round ducts Ø100-400mm	oval, rectangular and round ducts Ø40-125mm
Brushing segment	40mm	150mm	20mm	variable
Bristle types	standard / hard	standard / hard	standard / hard	standard / hard
Brush size (mm)	Ø200 Ø250 Ø250 Ø400 Ø500 Ø630 Ø800 Ø1000 Ø1200	Ø150 Ø200 Ø250 Ø250 Ø400 Ø500	Ø100 Ø125 Ø160 Ø200 Ø250 Ø315 Ø400	Ø40-100 Ø63-125
Brush sets	7pcs, Ø200-800mm	5pcs, Ø200-500mm	7pcs, Ø100-400mm	2pcs, Ø40-125mm







Vacuuming equipment

Pressovac offers a wide range of vacuuming devices that effectively remove dirt from air ducts – starting with compact units to extract impurities from small ventilation systems up to powerful machines with very high airflow able to remove heavy layers of dust from very large air duct systems.

We offer two types of vacuuming devices depending on the cleaning task: SFU machines with integrated filtering system and SU machines without filtering system, all equipped with user-friendly control panel. Our SU models without filtering system can be connected to our stand-alone filtering units (FU) when powerful air filtration is necessary.

All of our SFU models have unique ergonomic Flip-function which enables the machine to work in both, vertical and horizontal position, allowing straighter positioning of the air transfer house when connected to the duct. The machines also have an extra handle for transportation making them easy to move and load by one person.

Vacuum-filter machine SFU-50

4500 m³/h

SFU-50 is a powerful compact vacuuming device with integrated filtering system and adjustable airflow. It is ideal for cleaning medium to large ventilation duct systems in buildings where only one phase power supply is available. It is appropriate for ducts up to 630mm in diameter.



- High airflow and pressure
- Long-lasting, powerful EC motor
- Only 1 phase power supply required
- Works in vertical and horizontal position
- G3 pre-filters, F7, H13 HEPA and Activated carbon filters available
- Filters are easy to replace
- Compact, easy to manoeuvre and transport

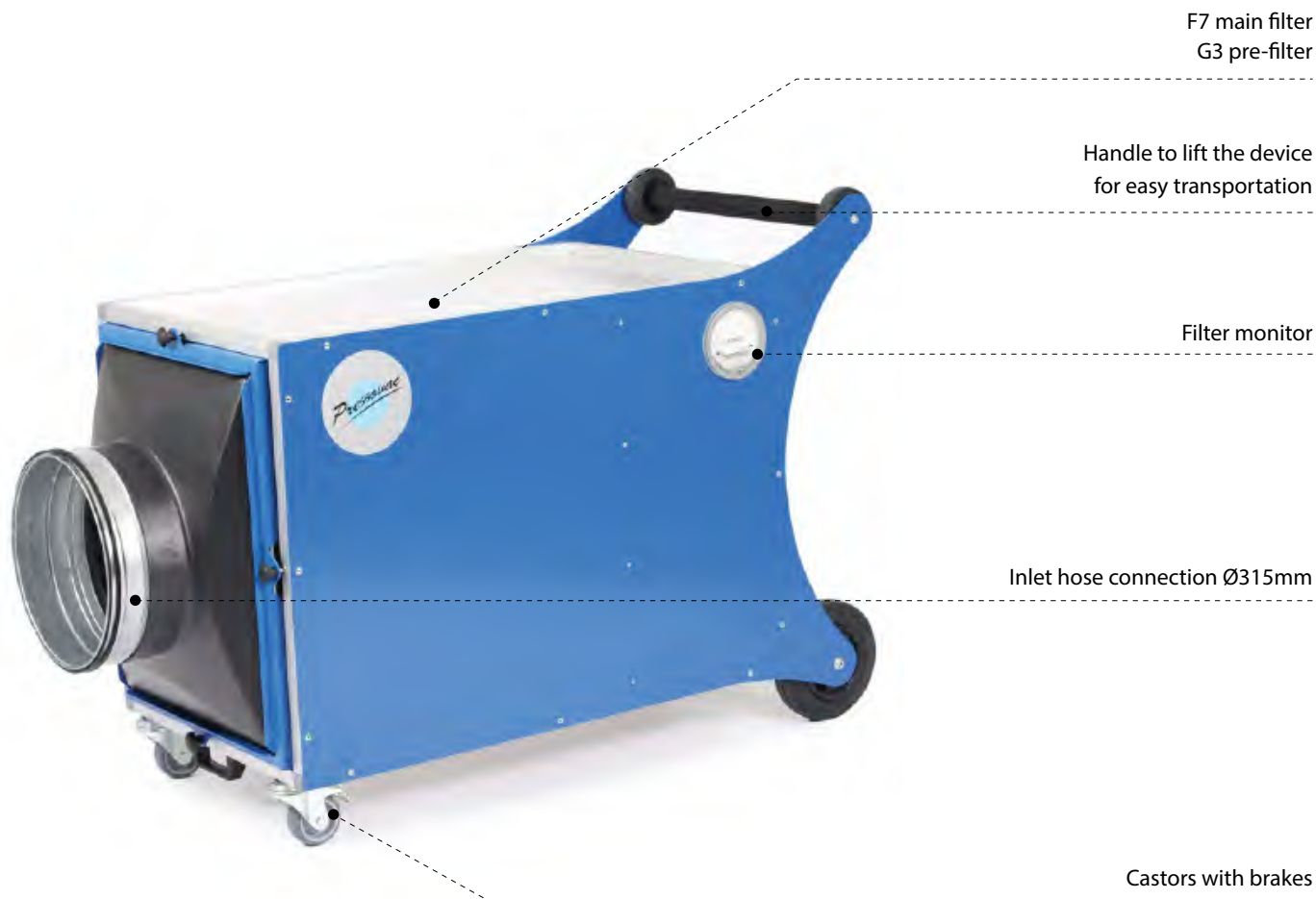


Control panel



On/Off switch

Adjustable airflow



Technical Specifications

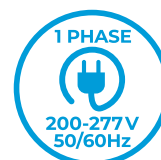
SFU-50

Maximum airflow	4 500m ³ /h
Maximum pressure	1100Pa
Motor type	EC motor
Power supply	1 phase, 200-277V, 50-60Hz, 10A
Dimensions (LxHxW)	127x88x63cm
Frame structure	aluminum
Weight	48kg
Adjustable airflow	10-100%
Power outlet	integrated
Inlet and outlet hose connection	Ø315mm
Filter monitor	included
G3 pre-filter	optional
F7 compact filter	optional
H13 HEPA filter	optional
Activated carbon filter	optional

Recommended accessories:

(see Accessories on p. 27)

- Air transfer hoses
- Air exhaust hoses
- Barrage plugs



Vacuum-filter machine

SFU-25

2500 m³/h

SFU-25 is a compact vacuuming device with integrated filtering system and adjustable airflow. It is ideal for cleaning small to medium ventilation systems with ducts up to 400mm in diameter.



- Compact
- Long-lasting, energy efficient EC motor
- Works in vertical and horizontal position
- Adjustable airflow
- G3 pre-filters and F7 filters available
- Filters are easy to replace
- Lightweight, easy to manoeuvre and transport

Control panel



On/Off switch

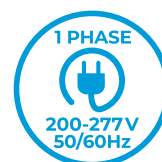
Adjustable airflow

Technical Specifications	SFU-25
Maximum airflow	2 500m ³ /h
Maximum pressure	1050Pa
Motor type	EC motor
Power supply	1 phase, 200-277V, 50-60Hz, 10A
Dimensions (LxHxW)	118x71x56cm
Frame structure	aluminum
Weight	34kg
Adjustable airflow	10 - 100%
Power outlet	optional
Inlet and outlet hose connection	Ø200mm
G3 pre-filter	optional
F7 pocket filter	optional

Recommended accessories:

(see Accessories on p. 27)

- Air transfer hoses
- Air exhaust hoses
- Barrage plugs



Vacuum-filter machine

SFU-10

1000 m³/h

SFU-10 is a compact and light vacuuming device with integrated air filtering system. It is an excellent choice for air duct cleaning in private houses or small buildings with ducts up to 200mm in diameter.



- Compact
- Works in vertical and horizontal position
- G3 pre-filters, F7 and H13 HEPA filters available
- Filters are easy to replace
- Lightweight, easy to manoeuvre and transport

Technical Specifications	SFU-10
Maximum airflow	1000m ³ /h
Maximum pressure	780Pa
Motor type	induction motor
Power supply	1 phase, 230V, 50Hz, 10A
Dimensions (LxHxW)	112x56x46cm
Frame structure	aluminum
Weight	23kg
Adjustable airflow	2 speeds
Power outlet	integrated
Inlet and outlet hose connection	Ø160mm
G3 pre-filter	optional
F7 pocket filter	optional
H13 HEPA filter	optional

Recommended accessories:

(see Accessories on p. 27)

- Air transfer hoses
- Air exhaust hoses
- Barrage plugs



Vacuum machine

SU-100

10 000 m³/h

SU-100 is a very powerful vacuuming device with adjustable airflow. It is ideal for cleaning air ducts in large facilities where three phase power supply is available. It is appropriate for ducts up to 1200mm in diameter.



- Very high airflow and pressure
- Long-lasting, powerful EC motor
- Works in vertical and horizontal position
- Compact, lightweight, easy to manoeuvre and transport

Control panel



On/Off switch

Adjustable airflow

Technical Specifications	SU-100
Maximum airflow	10 000m ³ /h
Maximum pressure	2 200Pa
Motor type	EC motor
Power supply	3 phase, 380-400V, 50-60Hz, 16A
Dimensions (LxHxW)	59x98x66cm
Frame structure	aluminum
Weight	55kg
Adjustable airflow	10-100%
Inlet and outlet hose connection	Ø315mm

Recommended accessories:

(see Accessories on p. 27)

- Filter unit F-100
- Air transfer hoses
- Air exhaust hoses
- Barrage plugs



Vacuum machine

SU-50

5000 m³/h

SU-50 is a powerful and compact vacuuming device with adjustable airflow. It is suitable for cleaning air ducts in medium to large buildings where only one phase power supply is available and no filtration is required. Appropriate for ducts up to 630mm in diameter.



- High airflow and pressure
- Long-lasting, powerful EC motor
- Only one phase power supply needed
- Works in vertical or horizontal position
- Compact, lightweight, easy to manoeuvre and transport

Control panel



On/Off switch

Adjustable airflow

Technical Specifications	SU-50
Maximum airflow	5 000m ³ /h
Maximum pressure	1 100Pa
Motor type	EC motor
Power supply	1 phase, 200-277V, 50-60Hz, 10A
Dimensions (LxHxW)	56x87x61cm
Frame structure	aluminum
Weight	40kg
Adjustable airflow	10-100%
Power outlet	integrated
Inlet and outlet hose connection	Ø315mm

Recommended accessories:

(see Accessories on p. 27)

- Filter unit F-50
- Air transfer hoses
- Air exhaust hoses
- Barrage plugs



Vacuum machine

SU-15 / SU-24

1500/2400 m³/h

SU-15 and SU-24 are compact and lightweight vacuuming devices suitable for cleaning small to medium air duct systems in buildings where filtering is not required.



- Compact
- High maximum pressure
- Lightweight and easy to carry

Technical Specifications	SU-15	SU-24
Maximum airflow	1 500m ³ /h	2 400m ³ /h
Maximum pressure	2 100Pa	2 150Pa
Motor type	induction motor	induction motor
Power supply	1 phase, 230V, 50Hz, 10A	1 phase, 230V, 50Hz, 10A
Dimensions (LxHxW)	53x47x55cm	60x60x60cm
Frame structure	steel	steel
Weight	25kg	28kg
Adjustable airflow	-	-
Inlet and outlet hose connection	Ø160mm	Ø200mm

Recommended accessories:

(see Accessories on p. 27)

- Filter unit F-50
- Air transfer hoses
- Air exhaust hoses
- Barrage plugs



Accessories for vacuuming machines



Filter units F-50 / F-100

External filtering unit for vacuum machines without integrated filtering system.

- Filters are easy to replace
- Light and easy to carry
- G3 pre-filters, F7, H13 HEPA and Activated carbon filters available



Technical Specifications	F-50	F-100
Maximum airflow	4 300m ³ /h	8 600m ³ /h
Inlet hose connection	Ø315mm	Ø315mm
Outlet hose connection	Ø400mm	Ø500mm
Dimensions (LxHxW)	90x75x65cm	90x140x65cm
Frame structure	aluminum	aluminum
Weight	30kg	45kg
Filter monitor	included	
G3 pre-filter and F7 pocket filter	optional	

Air transfer hoses

Durable, high-quality wire braided hoses for connecting the vacuuming device to the duct. Available in multiple diameters and lengths.



Diameter	Length
Ø160mm	5m or 10m
Ø200mm	5m or 10m
Ø250mm	5m or 10m
Ø315mm	5m or 10m

Air exhaust hoses

Disposable plastic film tubes to connect to the vacuuming device for transferring the exhaust air outside the building.

Diameter

Ø640mm

Ø315mm

Barrage plugs

Air duct plugs to concentrate the air flow in the segment of the duct being cleaned. Made of long-lasting, high density foam.







Inspection equipment

Pressovac offers a range of compact professional inspection cameras. These handy tools raise client awareness of the necessity to clean the ducts and are essential for recording and presenting the cleaning results. For the cleaning professionals, they also help to estimate the complexity, scope and costs of the cleaning operation.

These compact high definition cameras with rechargeable batteries are excellent for inspecting vertical and horizontal ducts. Thanks to the extra small camera head and push-rod system, they can enter ducts through small openings and easily pass multiple 90° bends. More advanced models have also Pan & tilt function integrated which allows camera head to rotate 360° and bend 180° from left to right for all-round inspection of the duct.

Inspection cameras and accessories

VIS-200 / VIS-250 / VIS-350



VIS inspection cameras are an excellent choice for inspecting vertical and horizontal ducts. Thanks to their compact and safely housed waterproof heads, these cameras can access and inspect ducts through small openings and easily pass multiple 90° bends. These cameras produce wide angle high-definition image on bright TFT LCD color monitor and are powered by rechargeable batteries.



VIS-200

Ø26mm forward facing camera head

- Compact and user-friendly
- Can inspect vertical and horizontal ducts
- Accesses ducts through small opening
- Cristal clear screen
- Light-sensitive camera head
- Integrated wireless location transmitter
- Long operating time
- Dust safe and waterproof
- Video footage and photos (VIS-250/VIS-350)
- Pan & tilt camera head (VIS-350)
- Safe and robust plastic case
- Lightweight, easy to carry

VIS-350



Ø40mm Pan & tilt camera head



Technical Specifications	VIS-200	VIS-250	VIS-350
Push-rod	20m	20 or 30m	30m
Monitor	7" TFT color	7" TFT color	7" TFT color
Camera head	Ø26mm forward facing	Ø26mm forward facing	Ø40mm pan & tilt
Recording function	no	yes	yes
Memory	-	2GB SD card included	4GB SD card included
Interface	-	mini USB port	mini USB port
Digital meter counter	included	included	included
Operating time	120min per battery	120min per battery	120min per battery
Rechargeable batteries	1 included	1 included	2 included
Battery charger	included	included	included
Heavy duty carrying case	included	included	included
Dimensions (LxHxW)	51x17x43cm	51x17x43cm	51x17x43cm
Weight	7kg	7kg	8,2kg
Dust safe and waterproof	yes (IP68 rating)	yes (IP68 rating)	yes (IP67 rating)

Accessories for inspection cameras

Locator (receiver)

Wireless location receiver makes it possible to precisely locate the camera head inside the duct. Fits all camera models.



Camera head Ø26mm

Forward facing Ø26mm color camera head can replace the larger Ø40mm camera head for inspection of smaller ducts.



Protective sleeve

Protects the plastic domes of the Ø40mm camera head from scratching.



Centering brush

The centering brush of Ø200mm centers the camera head inside the duct for more clear and steady visualisation. Fits all camera models.



Camera trolley

Positions the camera head perfectly in the pipe. Designed for use in round air ducts sized Ø150mm and above or 150x150mm rectangular ducts. Fits all VIS camera heads.

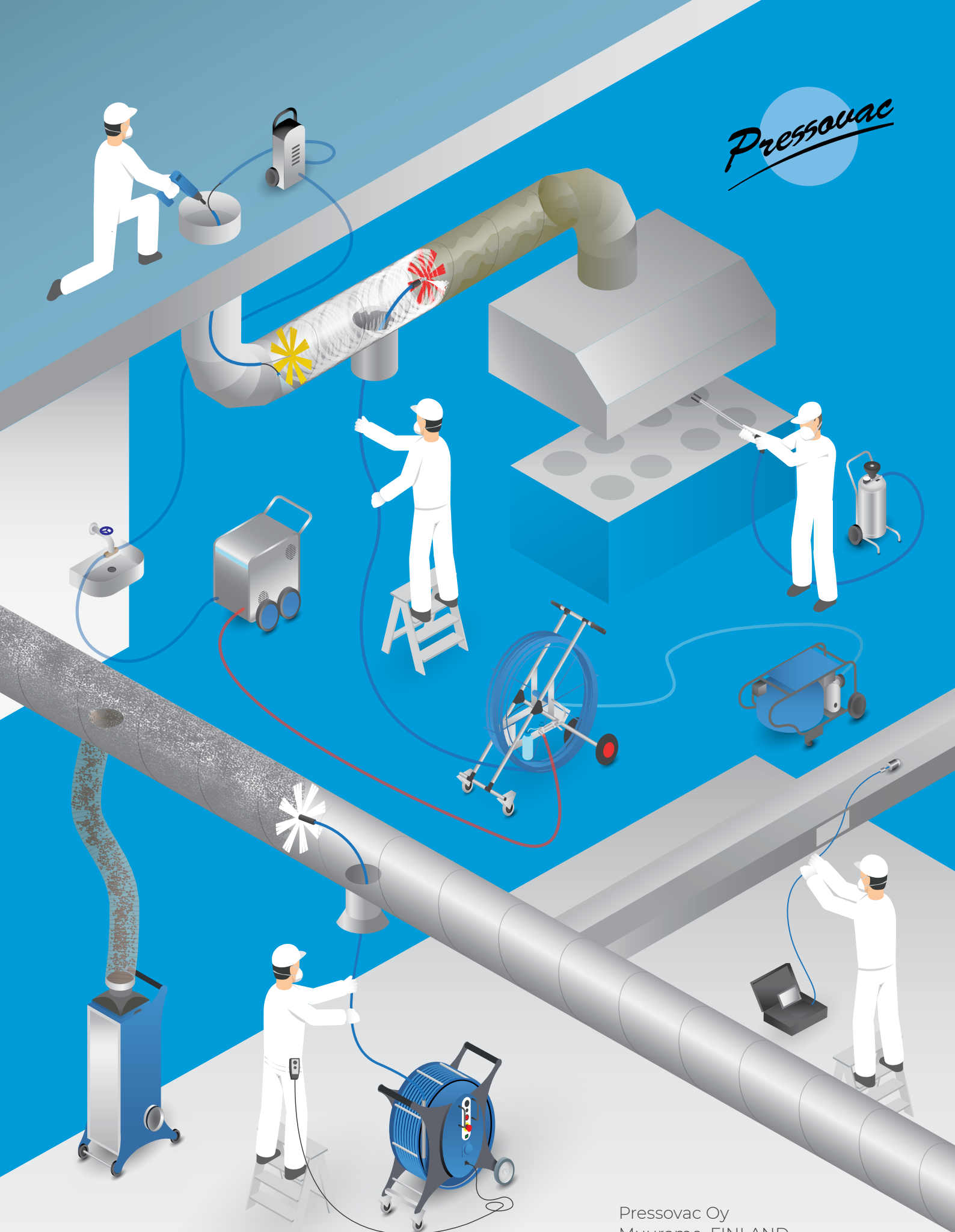


Camera Roller Guide

Helps the camera head to slide along the duct. Fits all camera models.



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Pressovac Oy
Muurame, FINLAND
www.pressovac.fi