

MOBILE DUST EXTRACTOR VACOMAT 140/160 XP(e)



TECHNICAL SPECIFICATION

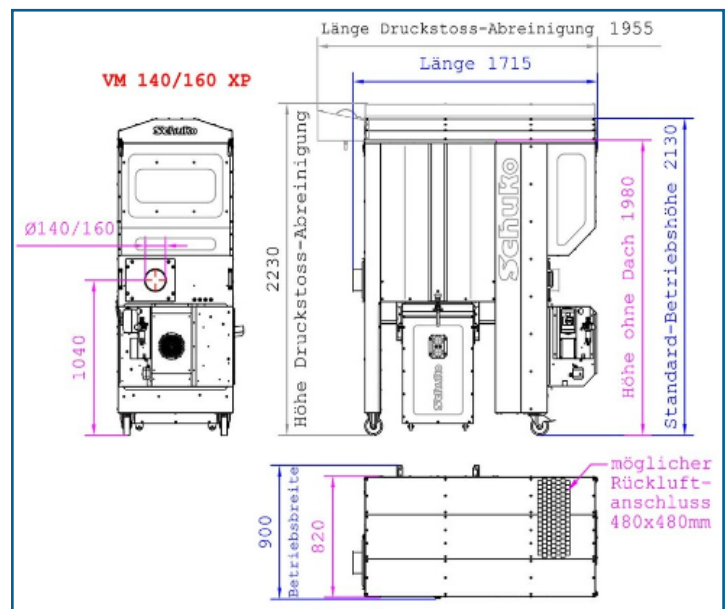
Vacomat	140/160 XP*	140/160 XPe**
Art. no.	621 500	622 200
Suction nozzle Ø (mm)	140/160	140/160
Motor (kW)	2.2	2.2
Max. flow. rate (m ³ /h)	1,593	1,593
Nominal volume flow at 20 m/s (m ³ /h)	1,447	1,447
Suction pressure (pa)	2,200	2,200
Filter surface area (m ²)	9.5	9.5
Weight (kg)	345	345
Sound pressure level (dB[A])	69	69
Chip collection volume capacity (l)	1 x 240	1 x 240
*XP = With pneumatic / mechanical cleaning via compressed air connection		
**XPe = With electromechanical cleaning via shaker motor		

DESCRIPTION

The Vacomat 140/160 XP(e) mobile dust extractor is our smallest model and is ideal for single-machine extraction. Airflows of up to 1,593 m³/h are possible with this negative pressure extraction unit, e.g. for dust extraction from panel saws, planers or thicknessers.

In the standard version extraction is started by hand with the push of a button. Automatic fan start-up upon switch-on of the connected machine tool can be installed upon request to avoid operating errors such as not switching the extraction on when there is a load or switching it on when there is no load.

The dust and chips are discharged to a dust-tight chip collection tank (240 l) lined with a plastic sack. A negative pressure duct holds the film sack in place in the collection tank. Inspection windows are provided for level checking. The mobile dust extractor monitors the extraction performance via a load cell to ensure maximum operational reliability.



FEATURES

- Small, low-cost dust extractor for single point extraction
- Small size for huge space savings
- H3 and GS test marks, dust class M
- equipped with proven SchukoCone® filter bags
- delivered preassembled and ready to plug in for immediate use

AES OFFER INSTALLATION AND SERVICE SUPPORT FOR ALL EQUIPMENT

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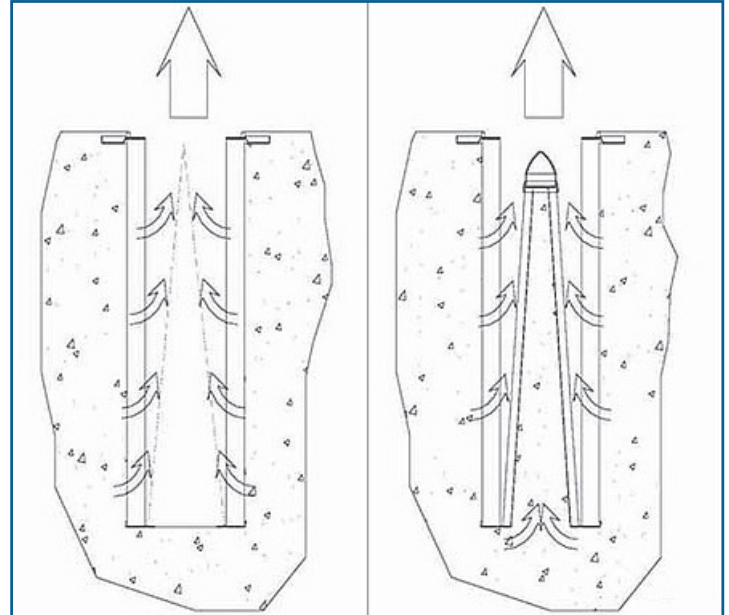
SCHUKOCONE FILTERS

The Vacomat 140/160 XP(e) mobile dust extractor comes with patented SchukoCone® filter bags as a standard feature.

The SchukoCone® filter is a successful combination of an externally loaded filter bag and an internally loaded cone. For today's system constructions this means approx. 60% more filter surface area with the same length and an up to 50% larger expansion chamber than in traditional dust extraction systems.

SchukoCone® filters should particularly be used for fine dust requiring a high filter surface area and a low filter surface loading rate because it is especially in such applications that the filters realise their tremendous potential.

With a decrease in filter surface loading rate a longer filter life is reached. The filter resistance drops and hence a lower fan output and less power are required.



Filter hoses in comparison:
left: conventional filter bag right: SchukoCone filter hose



FILTER REGENERATION - XP OR XPe?

Filters in the **Vacomat 140/160 XP** are cleaned by a combined pneumatic and mechanical action. Dust and chips are expelled gently from the filter in a patented 'shake-off' process when a compressed air supply is connected. The regeneration mechanism is activated manually when the dust extractor is off.

In the **Vacomat 140/160 XPe** an integrated switchgear cabinet is used for electromechanical cleaning via a shaker motor. Activation occurs via querying of the woodworking machine via floating contacts. As soon as all connected machines are off the motorised filter shaker starts automatically. For this regeneration mechanism no connection to a compressed air supply and hence no compressor is needed. This leads to a significant reduction in noise during cleaning.

Recommended particularly for very high and very fine dust contents, an efficient pressure surge cleaning system (XP-D or XPe-D) is optionally available (NOTE: overall height then +100 mm and length +350 mm). Cleaning is carried out offline via the compressed air tank after extraction.

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INSTALLATION & ITEMS DELIVERED

Vacomat 140/160 XP(e) mobile dust extractors are delivered preassembled and ready to plug in (high-voltage current 16 A, with 6.0 m cable) on single-use pallets (included).

A chip collection bag (size V) is also included in the scope of delivery.

The Vacomat 140/160 XP can be connected with diverse components directly to your machine and put into operation.

Installation or electrical work is usually not required. However, the Vacomat 140/160 XPe must be electronically connected to the machine tool to enable automatic triggering of filter bag regeneration when the machine tool is shut off.

An electronics company can help. The supplied switchgear cabinet with integrated phase inverter is prepared for querying of a floating contact as well as three transducer coils (coils are not included).

The Vacomat is directly connected to the machine for extraction (connection nozzle size of 140 or 160 mm) with a flexible hose or rigid ductwork.

Some of the connection parts can be found in the accessories section as well as our system components section.

Equipped with stable industrial-grade casters, the mobile dust extractor can be set up flexibly anywhere in your workshop.

Need extraction for a different machine? Just release the brakes on the two casters and push the unit to the required location.

