

Piping system and accessories

■ Individually planned piping system

The suction duct system is planned and designed in such a way that the required extraction volume flows are available in all machines that are extracted individually or together, whereby lock slides are installed in the connecting pipes to the suction nozzles. These slides are automatically opened and closed by the control system. At the same time, the control system ensures that the conveying speeds for the extracted materials are maintained, to avoid material deposits inside the duct system.

■ Extensive accessories

In addition to the pipe components, suction hoods for the machine connections, suction connections with limit switches and cleaning kits are supplied.



Complete system solutions from A to Z ... from extraction, briquetting, transport, filtering, painting to shredding

SPÄNEX offers complete solutions.

Based on the task, the SPÄNEX field service develops the optimum concept for each individual case, plans the system and prepares, presents and explains the offer. The optimal solution for the respective application case can be selected and implemented using items from the diverse range of products. The essential components are manufactured by SPÄNEX and form complete system solutions without interface problems.

It's a long path from planning to a finished system. SPÄNEX will support you during every phase with our expertise and experience from the implementation of several thousand systems. The systems are set up by our assembly technicians and commissioned by our customer service team. Our service, in conjunction with maintenance contracts, ensures the long service life and reliable operation of the systems.

SPÄNEX your partner

SPÄNEX

Perfect down to the last detail

■ In-house sheet processing and own mechanical engineering

The components of the dust extractors, filter units and the briquetting presses are manufactured using the most modern machines. Due to the production depth, our high quality demands and those of our customers are reliably ensured.

■ Accessories

We use accessories from leading manufacturers only that meet our quality requirements. Experience from delivering more than 1,000 filter systems and more than 3,000 briquetting presses has proven our successful concept.



Practical examples



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safe . clean . efficient .

SPÄNEX



SPÄNEX-Compact dust extractor SMU-MP ... the powerful!

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SPÄNEX-Compact dust extractor SMU-MP

Compact, powerful, quiet

Extraction systems for manual work machines and hand-work places as well as small machines.

Work with hand-held machines (grinding, milling or sawing) without effective extraction causes a high dust load at the workplaces.

With the SMU-MP dust extractor series, central extraction solutions can be realised to which several manual machines or small machines can be connected via a piping system.

Characteristics

■ Compact central unit

The compact dust collectors of the MP series represent complete separating stations, consisting of the filter chamber, the fan cell and the container section.

■ High suction capacity, low energy consumption

Two integrated centrifugal fans with speed-control generate a suction pressure of up to 10,000 Pa at the suction nozzle. The fans are arranged on the clean-air side and are equipped with impellers achieving maximum efficiency. As a standard energy-saving motors of efficiency class IE3 (optional IE4) are used and their speed is controlled via a frequency converter to adapt the extraction power to the respective demand.

■ Quiet operation

The units have integrated sound insulation so that additional silencers are not required despite the high performance.

■ Effective filter and cleaning technology

The high filtration efficiency of the tested filter material ensures a residual dust content in the return air of < 0.1 mg/m³. The compressed air cleaning system (Jet Pulse System) ensures effective and at the same time gentle cleaning of the filter elements with low consumption of compressed air, so that long service lives are achieved.

■ Design and compactness

The design and construction allow for extremely compact housing dimensions.

■ Disposal

The separated dust is collected in a bin with an inserted plastic bag.

■ Low assembly costs

The ready-to-use delivery of the dust extractor results in short installation times on site.

■ Extensive range of accessories

All pipe and moulded parts, including the adapters for connecting the manual machines are supplied by SPÄNEX.

Practical solutions



Extraction system in a training workshop



Extraction of a lathe



Central extraction system with supporting fan



Extraction of a CNC machine

| SMU-MP | 10 | 14 |
|---|---------------------|---------------------|
| Suction nozzle Ø in mm | 125 | 140 |
| Nominal volume flow* in m ³ /h | 880 | 1.120 |
| Volume flow** in m ³ /h | 1.000 | 1.400 |
| Suction pressure* in Pa | 10.000 | 7.500 |
| Motor power in kW | 2 x 3,0 | 2 x 3,0 |
| Max. sound pressure level in dB (A) | 69 | 69 |
| Volume of dust bin in l | 1 x 165 | 1 x 165 |
| Dimensions l x b x h in mm | 1.860 x 750 x 1.975 | 1.860 x 750 x 1.975 |
| Weights in kg | 400 | 400 |

*At 20 m/s in the suction nozzle; ** Standard application at 24 - 28 m/s in the suction nozzle



Advantages:

- Installation in the working area
- Compactness
 - Small footprint
 - Low overall height
- Central disposal point
- Speed control by frequency converter
- Very high suction power
- Residual dust content < 0,1 mg/m³
- Low noise emission
- Complete control system
- User-friendliness
- Extensive range of accessories