

HALDRUP SMU

Dust extractor



GROWING
THE FUTURE
BY KNOW-HOW



HALDRUP SMU COMPLETE DUST EXTRACTION SYSTEMS FOR THE LABORATORY AND PRODUCTION FOR PLANT BREEDING AND PLANT RESEARCH

HALDRUP supplies complete production lines for threshing, cleaning and processing the seeds for the laboratory and production area. In order to offer the customer everything from a single source, there are now also additional dust extraction systems in different performance classes.

HALDRUP also offers you complete service, such as on-site consultation, individual planning and delivery with self-assembly piping or the dust extractor is set up ready for operation.

HALDRUP SMU COMPACT, POWERFUL AND QUIET

HIGHER SUCTION PERFORMANCE

The HALDRUP compact dust extractors now cover a volume flow range up to 10.000 m³/h. In addition, the flow through the devices has been further optimized so that lower internal resistances result and thus higher external pressures are available.

This means: Overall, the capacity of the HALDRUP compact dust extractor was expanded and decisively improved.

LOWER ENERGY NEEDS

As a standard, energy-saving ventilator motors in efficiency class IE 3 (optionally IE 4) are used. In the more powerful devices, in particular, a drive via a frequency converter for controlling the fan speed is an option worth considering with respect to saving energy costs.

SILENT OPERATION

The soundproofing was also improved, so that the noise emissions could be reduced. Additional external silencers are not required.

EFFECTIVE FILTER AND CLEANING TECHNOLOGY

The high degree of separation of the used, tested cooperative filter material ensures a residual dust content in the return air of > 0.1 mg/m³. The compressed air cleaning system ensures effective and at the same time gentle cleaning of the filter elements with low compressed air consumption, so that long service lives are achieved.

MODERN, COMPACT DESIGN

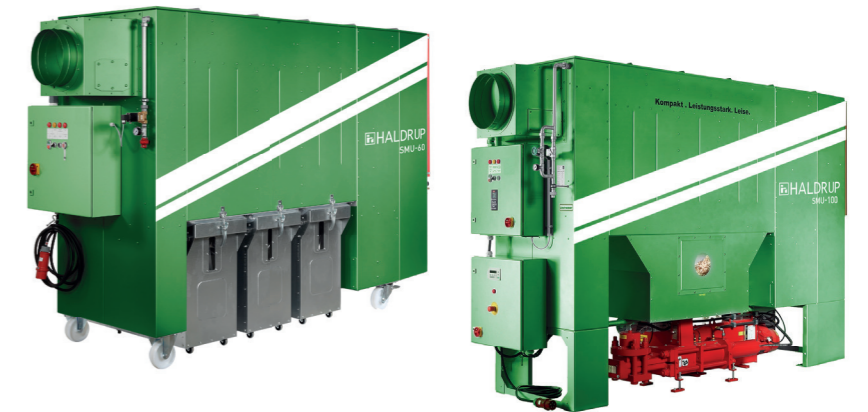
The new design and the design in conjunction with the use of the proven, special filter elements have led to even more compact housing dimensions, so that very small installation surfaces are required with a low overall height.

CERTIFIED SAFETY

All HALDRUP compact dust extractors have been tested by BGHM and have received the DGUV test certificate (H3) and the GS mark.

EQUIPMENT OPTIONS

- ▶ Automatic start of the fan
- ▶ Automatic slider control
- ▶ Operation via frequency converter
- ▶ Fill level monitoring in containers with briquetting press or container feed or silo feed
- ▶ With external container
- ▶ Automatic extinguishing with powder extinguishing
- ▶ Ignition protection



DATA SHEET SMU MODEL SERIES 12-100

Model series 12-32	SMU 12	SMU 15	SMU 20	SMU 25	SMU 30	SMU 32
Intake socket in mm	125	140	160	180	200	200
Nominal flow in m³/h	880	1110	1450	1830	2260	2260
Volume flow in m³/h	1200	1500	2000	2500	3000	3200
Negative pressure in Pa	2300	2050	2400	2500	2400	2700
Motor energy in kW	2,2	2,2	3,0	3,0	4,0	4,0
Max. Sound pressure level in dB (A)	65	65	65	65	65	67
Collection volume in l	1x165	1x165	1x165	1x165	1x165	2x165
Messurement in mm LxWxH	L 1320 W 750 H 1905	L 1320 W 750 H1905	L 1670 W 750 H 1975	L 1860 W 750 H 1975	L 1860 W 750 H 1975	L 2420 W 900 H 1965
Weight in kg	340	345	385	390	400	680

Model series 45-100	SMU 45	SMU 60	SMU 70	SMU 85	SMU 100
Intake socket in mm	250	300	315	355	355
Nominal flow in m³/h	3530	5090	5610	7130	7130
Volume flow in m³/h	4500	6000	7000	8500	10000
Negative pressure in Pa	2700	2500	2800	2700	3000
Motor energy in kW	5,5	7,5	11,0	11,0	15,0
Max. Sound pressure level in dB (A)	67	69	70	70	72
Collection volume in l	2x165	3x165	3x165	3x165	3x165
Messurement in mm LxWxH	L 2540 W 900 H 1965	L 3080 W 900 H1965	L 3220 W 900 H 1965	L 3570 W 900 H 1965	L 3570 W 900 H 1965
Weight in kg	705	850	880	900	930

SIGNIFICANT PRODUCT ADVANTAGES:

- ▶ High work safety by dust-free working
- ▶ Small footprint with low installation height
- ▶ Easy to operate and low noise level, the compact dust extractor can be placed directly in the laboratory / production hall or can be installed at another place via a piping system
- ▶ Incl. complete control system (device is delivered largely ready for operation)
- ▶ The compact dust extractor has one or more integrated collection containers for efficient disposal of the residues. For very large quantities, further options are available
- ▶ Connection adapter for the extraction system available for all HALDRUP laboratory threshers and cleaners (LT-15, LT-20, LT-21, LT-35, LT-50, DC-20)
- ▶ Existing HALDRUP laboratory machines as well as third-party devices (with the adapters) can be integrated into the dust extraction system
- ▶ Integrated, switchable straw chopper can be connected directly to the laboratory thresher (model LT-21/35 and LT-50)
- ▶ As far as possible maintenance free.

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