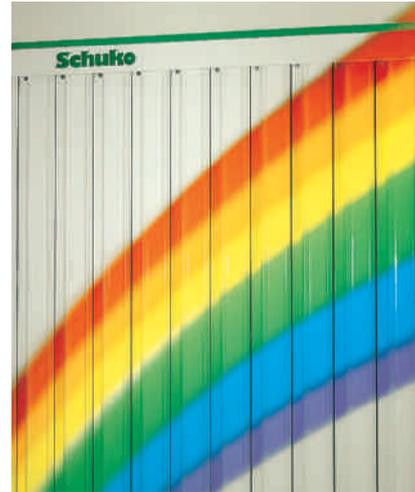


Spray mist extraction systems custom-built and meeting any needs



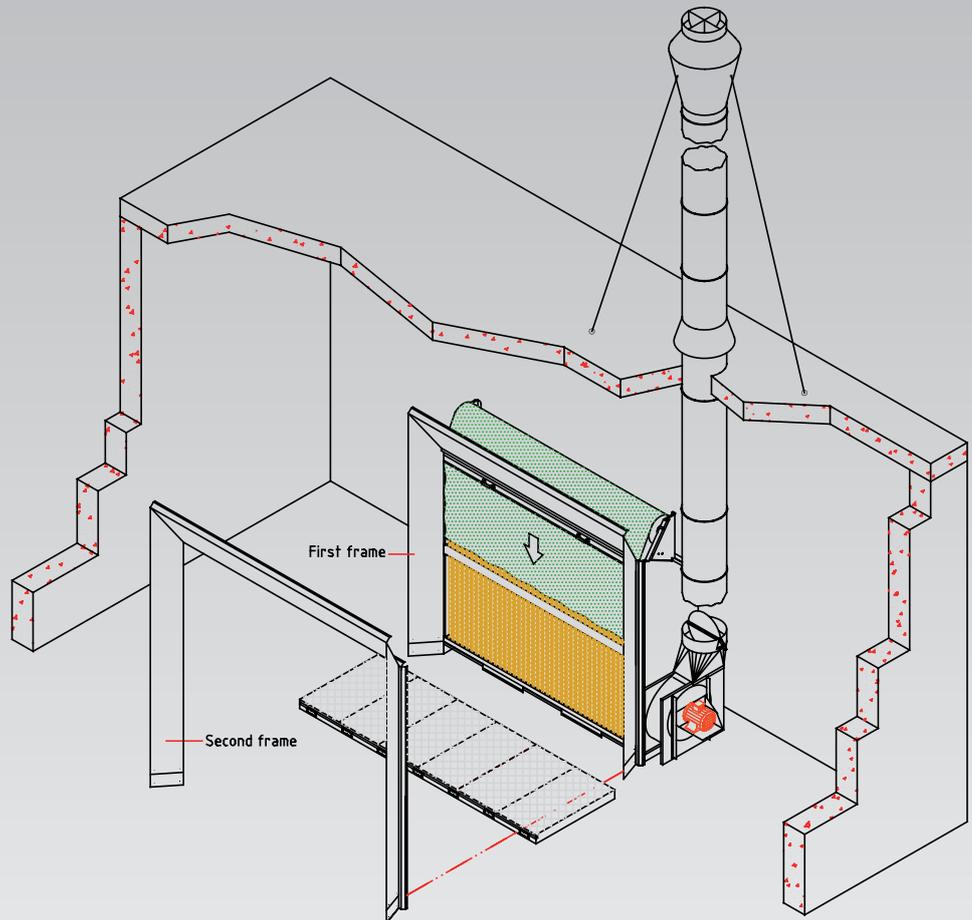
Fan mounting side

Please always indicate the desired extraction fan mounting side in your order (right-hand side is standard; left-hand mounting is possible).

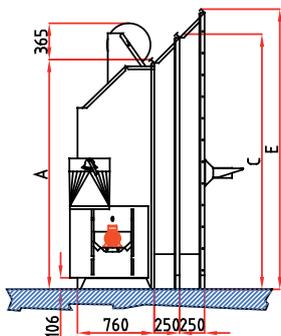
Motor ventilation requires a minimum wall distance of 50 mm.

*Ø 450 mm = 235 mm

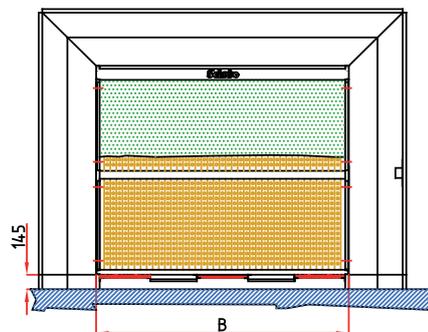
**Ø 450 mm = 100 mm



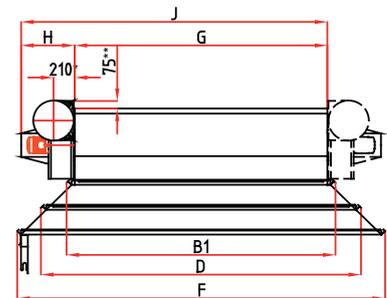
Highly efficient and economic paint spray mist extraction



Side view



Front view



Top view

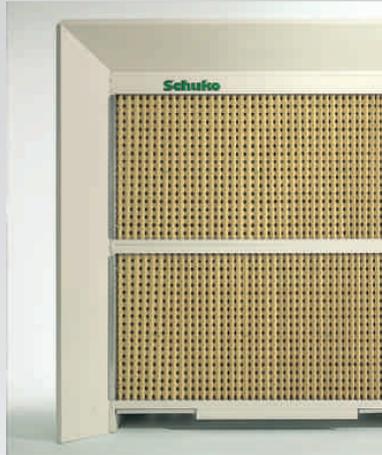
The system FARBMEISTER paint spray mist extraction systems from Schuko working by the dry precipitation principle are the basis of economic and well operating ventilation of any areas where surface-finishing materials containing solvents are processed. A high-performance state-of-the-art ventilation fan extracts the spray mist and fumes and sends them through a double-acting precipitation system.

The design The entire spray mist extraction wall is made of a self-contained sendzimir-galvanized sheet steel construction. The fan is standard-mounted to its right-hand side. Optionally and without any surcharge, we can fit the fan to the left-hand side (please state in your order). The exact position of the exhaust air piping is indicated in the Technical Specifications. The FARBMEISTER can be supplied with either metal ribs or cardboard filter mats. The size of the extraction wall can be adapted to your respective needs (painting on trestles or on suspended rails). The extraction surface can be extended by screw-on frames. For details, please refer to the table containing the technical specifications.

Optional accessories Unreeling device: Depending on the accumulation of material, the use of a second filter mat put in front of the deflector surface can make sense. Such mat can be stored in an unreeling device located on the spray mist extraction wall and be pulled off in front of the deflector surface as required. This will extend the life of the standard filter mats. When this extra filter mat is soiled just cut it off and unreel a new one.



Farbmeister special design with a left-mounted fan, a first suction surface extension stage, a spray gun hangup valve for a dual-speed motor, and with an upper unreeling device for an additional paper filter mat.



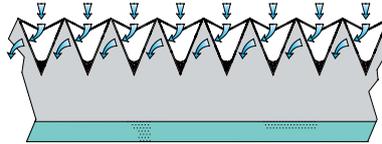
The efficient combination of a paint spray mist extraction wall and an underfloor extraction system.



Paint spray mist extraction walls with cardboard, filter fleece or steel deflector surfaces for dry precipitation.

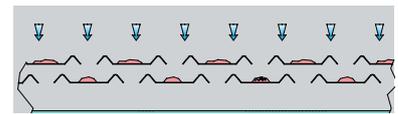
Energy saving: A great proportion of the painting time is occupied by setting up. To avoid unnecessary extraction of warm air from the spray booth during such „down times“ it is possible to provide the FARBMEISTER with a pneumatically actuated energy-saving flap. Once the spray gun is hung up, this flap will automatically get closed, with only a part of the air quantity still being extracted. During the actual painting process, the full extraction capacity will be available again.

Grille/paint dust collector: To avoid paint deposits within the painting area the FARBMEISTER can be furnished with a front grille. Descending paint particles will fall into the collector bin where they are allowed to cure. The collected paint dust can then be disposed of at regular intervals. The construction height of the collector bin is 100 mm, with sunk installation into the floor being possible.



Precipitation by cardboard filter mats

At the first cleaning stage, the solid matter coming in with the air flow bounce against the cardboard filter mats. The paint particles go straight to the pockets of the cardboard filters. This is where they are collected and allowed to cure. After that, the cleaned air is deflected 180 degrees and meets the second cleaning stage. At that stage, the remaining particles are filtered out. Only now, the exhaust air gets into the fan from where it is discharged into the atmosphere.



Precipitation by metal ribs

At the first cleaning stage, the solid matter coming in with the air flow bounce against a labyrinth of galvanized sheet steel ribs. Their special shape effects a multiple deflection of the air flow to be filtered and, at the same time, some gradual reduction of the air velocity. Obeying the physical law of a mass centrifugal force precipitator, the major part of all solid matter already precipitates at the first filtering stage. On its way to the fan, the entire air flow already pre-filtered penetrates through a micro filter mat and is cleaned for the second time. Only now, the exhaust air gets into the fan from where it is discharged into the atmosphere.

Technical Specifications

Item No. with Card- board Filter	Item No. with Metal Ribs	FARB- MEISTER Model	Motor [kW]	Height [mm]	Width [mm]		Frame 1 [mm]		Frame 2 [mm]		Housing Width [mm] G	Fan Overhang [mm] H	Total Width [mm] J	Exhaust Air Port Dia. [mm]	Volume Flow [m³/h]
					A	B	B1	C	D	E					
527 100	527 130	10/25	2,5	1,290	2,500	2,635	1,540	3,140	1,790	3,640	2,505	830	3,335	400	5,500
		10/25	1,0/4,0	1,290	2,500	2,635	1,540	3,140	1,790	3,640	2,505	830	3,335	400	5,500
527 200	527 230	10/30	2,5	1,290	3,000	3,135	1,540	3,640	1,790	4,140	3,005	830	3,835	400	6,000
		10/30	1,0/4,0	1,290	3,000	3,135	1,540	3,640	1,790	4,140	3,005	830	3,835	400	6,000
527 300	527 330	20/20	2,5	2,290	2,000	2,135	2,540	2,640	2,790	3,140	2,005	830	2,835	400	6,500
		20/20	1,0/4,0	2,290	2,000	2,135	2,540	2,640	2,790	3,140	2,005	830	2,835	400	6,500
527 400	527 430	20/25	3,6	2,290	2,500	2,635	2,540	3,140	2,790	3,640	2,505	830	3,335	400	8,300
		20/25	1,0/4,0	2,290	2,500	2,635	2,540	3,140	2,790	3,640	2,505	830	3,335	400	8,300
527 500	527 530	20/30	3,6	2,290	3,000	3,135	2,540	3,640	2,790	4,140	3,005	830	3,835	400	8,300
		20/30	1,0/4,0	2,290	3,000	3,135	2,540	3,640	2,790	4,140	3,005	830	3,835	400	8,300
527 600	527 630	20/30	5,0	2,290	3,000	3,135	2,540	3,640	2,790	4,140	3,005	910	3,915	450	11,000
		20/30	1,8/6,5	2,290	3,000	3,135	2,540	3,640	2,790	4,140	3,005	910	3,915	450	11,000

Paint spray mist extraction wall or optional underfloor extraction

UNIVERSA, this name stands for the really universal utilization of this spray mist extraction system.

The FARBMEISTER can turn into a system with one hundred per cent underfloor extraction, exactly what the UNIVERSA is.

By the underfloor unit, the FARBMEISTER will turn into the UNIVERSA and can still be used as a real paint spray mist extraction wall or, in conjunction with the underfloor unit, as an underfloor extraction system where spray mist and solvents are extracted down through a large floor surface. For frequently changing spraying jobs, it is often more favourable to spray from one wall area and to have an alternative of treating corpus parts from all sides. Therefore, the combination of a spray wall and an underfloor extraction system, this is what the UNIVERSA represents, is of inestimable value.

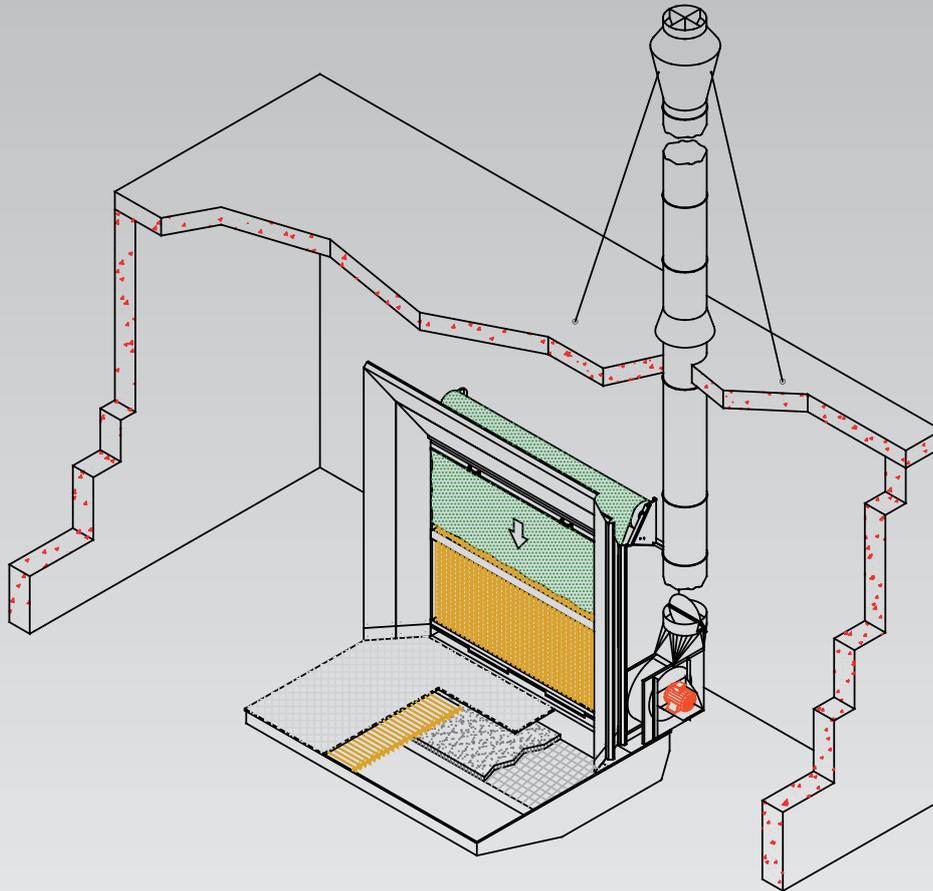
The underfloor unit, installed into the floor, forms the basis of the UNIVERSA. At a pit depth of only 500 mm, the fluidic properties will ensure that the extraction flow comes into effect over the entire area, thus providing an optimum spraying result.

The extracted air quantity can alternatively and in an infinitely variable way be conducted through the extraction wall and/or the underfloor unit. This individual air quantity distribution control, which can be easily adjusted on your spraying process, will leave no wishes open.

For energy saving, please refer to page 3.

The control cabinet can be provided with additional equipment (after-running control/automatic shut-off device, item no. 986 050). With this option, you can influence the fan running time of stage 1. By a potentiometer, you can set the „after-running time“ within a range from two minutes to eight hours. With the aid of this control method, you can set your system so that the fan will keep running for an intended evaporation time after you have finished your work in the spray booth before it will automatically shut-off the system.

For information on a suitable fresh-air system for the FARBMEISTER and the UNIVERSA, please refer to our other literature and/or consult our technical sales representatives.



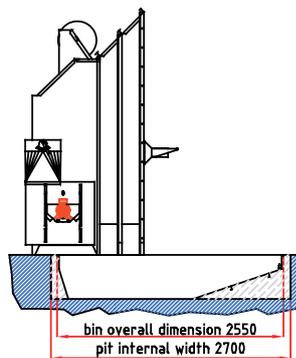
Dimensions

UNIVERSA 28/30 FARBMEISTER			
	Item No. 527 700		
Model	A [mm]	B [mm]	C* [mm]
20/20	3,055	3,195	140
20/25	3,055	3,195	390
20/30	3,055	3,195	640

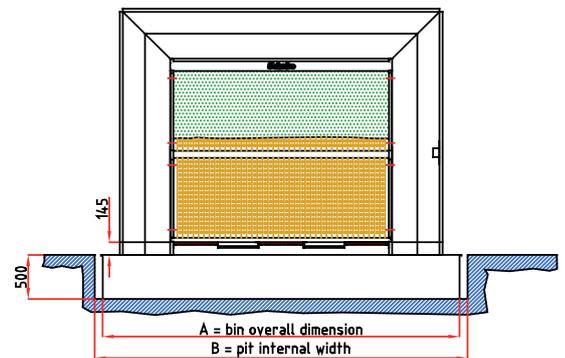
UNIVERSA 28/40 FARBMEISTER			
	Item No. 527 800		
Model	A [mm]	B [mm]	C* [mm]
20/20	4,060	4,200	0
20/25	4,060	4,200	0
20/30	4,060	4,200	115

* Dimension C must be kept to guarantee sufficient wall distance for the fan. At the side where no fan is fitted, the wall can reach up to the pit.

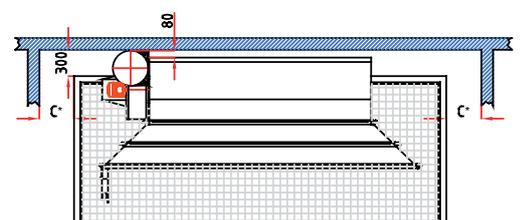
For dimensions and technical specifications of the paint spray mist extraction wall, please refer to the table on page 4.



Side view



Front view



Top view

Take your personal choice to get your ideal paint spray mist extraction system from the Schuko **FARBMEISTER** or **UNIVERSA** series

Item No.	Quantity	Description
527 100		FARBMEISTER Model 10/25; 2.5 kW; 400 mm dia.; 5,500 m ³ /h
527 200		FARBMEISTER Model 10/30; 2.5 kW; 400 mm dia.; 6,000 m ³ /h
527 300		FARBMEISTER Model 20/20; 2.5 kW; 400 mm dia.; 6,500 m ³ /h
527 400		FARBMEISTER Model 20/25; 3.3 kW; 400 mm dia.; 8,300 m ³ /h
527 500		FARBMEISTER Model 20/30; 3.3 kW; 400 mm dia.; 8,300 m ³ /h
527 600		FARBMEISTER Model 20/30; 4.6 kW; 450 mm dia.; 11,000 m ³ /h
511 020		Front grille for FARBMEISTER, 1,000 x 2,500 x 100 mm
511 030		Front grille for FARBMEISTER, 1,000 x 3,000 x 100 mm
511 040		Front grille for FARBMEISTER, 1,000 x 3,500 x 100 mm
511 060		Front grille for FARBMEISTER, 1,250 x 2,500 x 100 mm
511 070		Front grille for FARBMEISTER, 1,250 x 3,000 x 100 mm
511 080		Front grille for FARBMEISTER, 1,250 x 3,500 x 100 mm
527 110		First extraction surface extension for FARBMEISTER model 10/25
527 210		First extraction surface extension for FARBMEISTER model 10/30
527 310		First extraction surface extension for FARBMEISTER model 20/20
527 410		First extraction surface extension for FARBMEISTER model 20/25
527 510		First extraction surface extension for FARBMEISTER model 20/30
527 120		Second extraction surface extension for FARBMEISTER model 10/25
527 220		Second extraction surface extension for FARBMEISTER model 10/30
527 320		Second extraction surface extension for FARBMEISTER model 20/20
527 420		Second extraction surface extension for FARBMEISTER model 20/25
527 520		Second extraction surface extension for FARBMEISTER model 20/30
527 700		UNIVERSA underfloor unit model 28/30 with air flow control (only in conjunction with FARBMEISTER)
527 800		UNIVERSA underfloor unit model 28/40 with air flow control (only in conjunction with FARBMEISTER)
512 520		Spray gun hangup valve with explosion-proof limit switch, for fan control (to be mounted to spray wall)
528 110		Unreeling device, 2.0 m wide, incl. 1 filter reel, 2.0 x 25 m
528 120		Unreeling device, 2.5 m wide, incl. 1 filter reel, 2.5 x 25 m
528 130		Unreeling device, 3.0 m wide, incl. 2 filter reels, 1,475 mm x 25 m
517 300		Spray and painting stand with rotating and lockable cross
240 000		Tube, 400 mm dia.
245 000		Tube, 450 mm dia.
517 780		Dual-speed motor, 1.0/4.0 kW
517 790		Dual-speed motor, 1.8/6.5 kW

Item No.	Quantity	Description
304 000		Folded spiral-seam tube, 400 mm dia., per metre
304 500		Folded spiral-seam tube, 450 mm dia., per metre
454 000		Tube bend, 45 deg., 400 mm dia.
454 500		Tube bend, 45 deg., 450 mm dia.
904 000		Tube bend, 90 deg., 400 mm dia. (6 segments)
904 500		Tube bend, 90 deg., 450 mm dia. (6 segments)
515 700		Deflection bend, 45 deg., with bird protection grille, 400 mm dia.
515 800		Deflection bend, 45 deg., with bird protection grille, 450 mm dia.
586 800		Roof lead-through, up to 400 mm dia.
586 900		Roof lead-through, up to 500 mm dia.
272 300		Deflector hood, 400 mm dia.
272 400		Deflector hood, 450 mm dia.
650 400		Stainless steel clamp incl. sealing tape, 400 mm dia.
650 450		Stainless steel clamp incl. sealing tape, 450 mm dia.
704 000		Flange ring, 400 mm dia.
704 500		Flange ring, 450 mm dia.
111 600		Tube silencer, 400 mm dia.
111 700		Tube silencer, 450 mm dia.
691 000		Tube suspension, 400 mm dia.
691 100		Tube suspension, 450 mm dia.
524 000		Tube holder, 400 mm dia.
524 500		Tube holder, 450 mm dia.
986 000		Control cabinet (not explosion proof) for FARBMEISTER, to control a 2.5 kW fan, direct-start type
986 040		Control cabinet (not explosion proof) for FARBMEISTER, to control a 3.6 kW fan, direct-start type
986030		Control cabinet (not explosion proof) for FARBMEISTER/FAT, to control a 4.6 kW fan, star-delta type
986 010		Control cabinet (not explosion proof) energy saving circuit, for a 1.0/4.0 kW FARBMEISTER dual-speed fan
986 060		Control cabinet (not explosion proof) energy saving circuit, for a 1.8/6.5 kW FARBMEISTER dual-speed fan
986 050		Automatic shut-off device for evaporation/after-running time by potentiometer, setting range from 2 min. to 8 hrs.
986 100		Explosion-proof control panel for remotely starting the spray wall (one panel per fan). In conjunction with a control cabinet, the spray mist extraction system can be switched on or off from the spray booth.
985 010		ON/OFF switch, not explosion-proof, with motor protecting switch for connection of a FARBMEISTER with a single-speed motor of up to 4.0 kW.

For consultation and planning of your paint spray mist extraction and fresh-air systems, please feel free to contact our technical sales representatives to arrange an appointment.



Economic extraction

Schuko

Dust extraction and filtering technology

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