

Extraction systems

Their optimum planning and build



Only if you have the correct components you can plan and set up an optimum extraction plant. This components programme from Schuko is a result of our many years of experience in the construction of practice-oriented extraction and filtering systems which are in conformity with the statutory regulations.

The illustrations and short descriptions are intended to assist you in taking your correct choice of components. It goes without saying that you can also ask our technical field service team for advice and planning.

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Sound insulation capsules, wall brackets



The **sound insulation capsule** is a self-supporting, sendzimir-galvanized sheet steel structure. All enclosing surfaces are of sound-insulated design. The capsule is self-ventilating. For maintenance and installation purposes, the inside of the capsule is accessible through removable large-surface panels. The suction and pressure ports are led to the outside through flexible seals. The fan itself rests on vibration dampers. Sound insulation capsules of the S, TSK and L series have integrated sound-insulated bottoms. For weight reasons, the fans of the K and KG series are intended for installation on foundations to be prepared by the customer.

When properly chosen, arranged and mounted, **wall brackets** serve for safely taking up the loads of fans, tubes and ducts. Schuko's system of wall brackets is versatile and variable. Made of hot-dip galvanized sheet steel, it is suitable for indoor and outdoor installation.

Sound insulation capsules	Item no.
SDK-S model	945 010
SDK-TSK model	945 020
SDK-L model	945 030
SDK-K model	945 040
SDK-KG 2 model 2	945 050
SDK-KG 3, KG 4 model	945 060

Wall brackets (pair)	Item no.
for S-type fan	950 200
for L-type fan	960 400
for K-type fan	950 400
for WZL fresh-air supply unit	518 800

Compensators, tubes, blind covers, folded spiral-seam tubes



Compensators are elastic connection pieces in fixed tube installations. Such „interruptions“ reduce the transmission of vibration and structure-borne sound in a tube system. Sound waves which are transported by the metallic tubes over long distances are interrupted in the compensator and are passed forward only to a reduced extent.

Vibration compensator	Item no.
160 mm 250 mm long	952 000
180 mm 250 mm long	952 100
200 mm 250 mm long	952 200
250 mm 250 mm long	952 300
300 mm 250 mm long	952 400
350 mm 250 mm long	952 500
400 mm 250 mm long	952 600
450 mm 250 mm long	952 700
500 mm 250 mm long	952 800
560 mm 250 mm long	952 900
630 mm 250 mm long	953 000
710 mm 250 mm long	953 100
800 mm 250 mm long	953 200



Tubes from Schuko are made of sendzimir-galvanized sheet steel with a face-to-face length of about 1,000 mm and a longitudinal lock seam. Same as for all Schuko components, both ends are flared for easy connection with other parts by means of clamps or flange rings.

Tube	Item no.
100 mm	210 000
120 mm	212 000
140 mm	214 000
160 mm	216 000
180 mm	218 000
200 mm	220 000
250 mm	225 000
300 mm	230 000
350 mm	235 000
400 mm	240 000
450 mm	245 000
500 mm	250 000
560 mm	256 000
630 mm	263 000
710 mm	271 000
800 mm	280 000

Blind covers seal unused tube ends and, fixed by a tube clamp, can be removed whenever necessary.



Our folded **spiral-seam tubes** are made of sendzimir-galvanized sheet steel. Such tubes show good static values and are pressure-tight. For the installation of long line sections, and where larger distances must be covered in a self-supporting way, this high-quality and, nevertheless, very inexpensive type of tubes is highly recommended. We deliver tube sections of up to 6 m in length.

spiral-seam tubes	Item no.
200 mm	302 000
250 mm	302 500
300 mm	303 000
350 mm	303 500
400 mm	304 000
450 mm	304 500
500 mm	305 000
560 mm	305 600
630 mm	306 300
710 mm	307 000
800 mm	308 000
1000 mm	310 000

Blind cover	Item no.
100 – 200 mm	457 000
250 – 400 mm	457 100
450 – 630 mm	457 200

Sweep holes, cleaning flaps, tube segments



Sweep holes make sense where chips cannot be extracted directly at the place where they are produced. At drilling machines or mortisers and, for example, in bench rooms of workshops, sweep holes are good disposal options. However, be particularly careful when the chip collecting room has an automatic discharge facility or is followed by a briquetting press. In such cases, foreign matter and pieces of wood must not get through the sweep holes.

Sweep hole	Item no.
140 mm	442 400

Cleaning flaps should be provided in tubes where stringy waste or veneer remnants can get into the extraction system. Especially behind circular saws, it is useful to have a cleaning possibility. Installation options should be inspected from case to case. We deliver such flaps completely fitted into galvanized tubes with a length of 500 mm each.

Cleaning flap	Item no.
100 mm	481 000
120 mm	481 200
140 mm	481 400
160 mm	481 600
180 mm	481 800
200 mm	482 000
250 mm	482 500
300 mm	483 000
350 mm	483 500
400 mm	484 000

Tube segments and tube bends with radii matched to their diameters facilitate the room-saving installation of tubing and machine connections. The bends are made of sendzimir-galvanized sheet steel sections. Please note the different degrees of the individual segments and bends.

Tube segments	Item no.
22.5 deg. 120 mm	151 200
22.5 deg. 140 mm	151 400
22.5 deg. 160 mm	151 600
22.5 deg. 180 mm	151 800
22.5 deg. 200 mm	152 000
15 deg. 100 mm	151 000
15 deg. 250 mm	152 500
15 deg. 300 mm	153 000
15 deg. 350 mm	153 500
15 deg. 400 mm	154 000
15 deg. 450 mm	154 500
15 deg. 500 mm	155 000
15 deg. 560 mm	155 600
15 deg. 630 mm	156 300
15 deg. 710 mm	157 100
15 deg. 800 mm	158 000

Pipe bends, branches, rivet-on connections

Pipe bends		Item no.
45 deg.	100 mm	451 000
45 deg.	120 mm	451 200
45 deg.	140 mm	451 400
45 deg.	160 mm	451 600
45 deg.	180 mm	451 800
45 deg.	200 mm	452 000
45 deg.	250 mm	452 500
45 deg.	300 mm	453 000
45 deg.	350 mm	453 500
45 deg.	400 mm	454 000
45 deg.	450 mm	454 500
45 deg.	500 mm	455 000
45 deg.	560 mm	455 600
45 deg.	630 mm	456 300
45 deg.	710 mm	457 600
45 deg.	800 mm	458 000
60 deg.	100 mm	671 000
60 deg.	250 mm	672 500
60 deg.	300 mm	673 000
67.5 deg.	120 mm	671 200
67.5 deg.	140 mm	671 400
67.5 deg.	160 mm	671 600
67.5 deg.	180 mm	671 800
67.5 deg.	200 mm	672 000
90 deg.	100 mm	901 000
90 deg.	120 mm	901 200
90 deg.	140 mm	901 400
90 deg.	160 mm	901 600
90 deg.	180 mm	901 800
90 deg.	200 mm	902 000
90 deg.	250 mm	902 500
90 deg.	300 mm	903 000
90 deg.	350 mm	903 500
90 deg.	400 mm	904 000
90 deg.	450 mm	904 500
90 deg.	500 mm	905 000
90 deg.	560 mm	905 600
90 deg.	630 mm	906 300
90 deg.	710 mm	907 100
90 deg.	800 mm	908 000



Branches must be installed when the suction line is split, i. e. is to be led to two or more suction ports. A tube junction consists of the body and its branches integrated into it.

Note for branches: For outlets of 200 mm in diameter and smaller, the latter branch off at 22.5 degrees with respect to the centre line of the body. For outlets with diameters of 250 mm and larger, this angle is 30.0 degrees.

Please indicate in your order this data in the following sequence:

- a) body big diameter,
- b) body small diameter,
- c) diameter(s) of the tube(s) branching off, e. g. 140/120/100 mm.

The lengths of the branching sections are not fixed as they depend on the design.

Branches		Item no.
up to 160 mm	1 outlet	200 100
up to 200 mm	1 outlet	200 140
up to 250 mm	1 outlet	200 150
up to 300 mm	1 outlet	200 400
up to 400 mm	1 outlet	200 600
up to 500 mm	1 outlet	200 800
up to 630 mm	1 outlet	201 000
up to 710 mm	1 outlet	201 900
up to 800 mm	1 outlet	202 000
up to 200 mm	2 outlets	200 200
up to 300 mm	2 outlets	200 500
up to 400 mm	2 outlets	200 700
up to 500 mm	2 outlets	200 900
up to 630 mm	2 outlets	201 100
up to 200 mm	3 outlets	200 300
up to 300 mm	3 outlets	200 530
up to 400 mm	3 outlets	200 730

Rivet-on connections are often the simplest way to connect a branching tube to an existing line. It is strongly pointed out that the tube cross sections should be matched to one another so that sufficient air flow rates will remain in all tubes. The installation of gate valves will help you to ensure this.

Please indicate in your order this data in the following sequence:

- a) main tube,
- b) branching outlet

Rivet-on connections		Item no.
main tube up to 200 mm		201 200
main tube up to 300 mm		201 300
main tube up to 400 mm		201 400
main tube up to 630 mm		201 500

Y-branches, reducers and machine connection pieces, suction manifolds



Y-branches are used when a main tube ends into two connections of the same size. Each connection branches off the centre line of the main tube at an angle of 30 degrees.

Y-branch		Item no.
main tube	up to 160 mm	201 600
main tube	up to 200 mm	201 700
main tube	up to 300 mm	201 800



Reducers help you to change from a bigger diameter to a smaller one. However, it is useful to keep the big diameter as long as possible. The bigger the diameter is, the lower the frictional resistance or the suction loss [Pa] becomes.

Reducer	Item no.
up to 120 mm	401 200
up to 160 mm	401 400
up to 200 mm	401 600
up to 300 mm	401 700
up to 400 mm	401 800
up to 500 mm	401 900
up to 630 mm	402 000
up to 710 mm	403 100
up to 800 mm	403 000



Machine connection pieces flared on one side for Schuko tube clamps and being smooth and round on the other can be put on machine suction hoods.

Machine connection piece	Item no.
102/100 mm	402 200
122/120 mm	402 300
142/140 mm	402 400
162/160 mm	402 500
182/180 mm	402 600
202/200 mm	402 700
252/250 mm	402 800
302/300 mm	402 900

Suction manifolds are some kind of junction where one main tube ends into several machine connections in a very confined space. The connections can have various diameters. It must be ensured that the sum of the cross section areas of the outgoing connections does not exceed that of the main tube. Please indicate in your order the sequence of the suction-side connection diameters. Suction manifold (connections side by side), please attach a drawing to your order.

Suction manifold	Item no.
with 2 connections	330 200
with 3 connections	330 300
with 4 connections	330 400
with 5 connections	330 500
with 6 connections	330 600



Bayonet locks, PUR hoses, non-return flaps



Quick-acting or bayonet locks make sense wherever extraction connection must be set up or removed quickly. In conjunction with flexible hoses, they are ideal, for example, for machine connections with dedusters which are alternately connected to various machines.

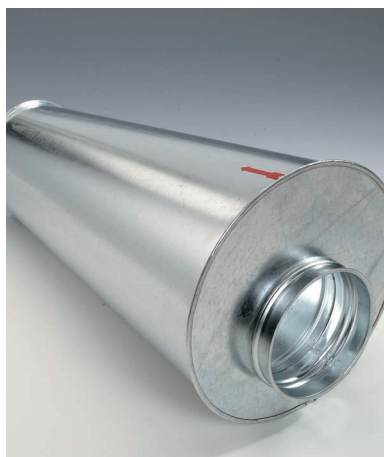
Bayonet lock	Item no.
80 mm	650 800
100 mm	651 000
120 mm	651 200
140 mm	651 400
160 mm	651 600
180 mm	651 800
200 mm	652 000

Polyurethane spiral hose, hardly inflammable according to DIN 4102 B1, for flexible connection to machines. Please note that the resistance [Pa] becomes very high the smaller the diameter (100 mm and below) is. The smaller the performance cross section is the poorer the suction efficiency becomes. According to the recommendation of the Holz-BG (an experts' committee for woodworking and a testing and certification office), flexible connections should not be longer than 500 mm. Connections to CNC machines are exceptional. For such extraction connections, specific hose materials are used.

PUR hose	Item no.
80 mm	310 080
100 mm	310 100
120 mm	310 120
140 mm	310 140
160 mm	310 160
180 mm	310 180
200 mm	310 200
250 mm	310 250
300 mm	310 300
350 mm	310 350

Non-return flaps according to VDMA 24179 are installed at the end of a pressure line and largely prevent the reflux of overpressure from the filter or chip storage room. If several fans blow into one and the same room non-return flaps will be imperative.

Non-return flap	Item no.
120 mm	501 200
140 mm	501 400
160 mm	501 600
180 mm	501 800
200 mm	502 000
250 mm	502 500
300 mm	503 000
350 mm	503 500
400 mm	504 000
450 mm	504 500
500 mm	505 000
560 mm	505 600
630 mm	506 300
710 mm	507 100
800 mm	508 000



Non-return flaps installed within the tube system (not at the end) already prevent the reflux of overpressure in the tube network to a large extent.

Tube Non-return flap	Item no.
250/250 mm	502 510
300/300 mm	503 010
350/350 mm	503 510
250/350 mm	502 520
300/400 mm	503 020

Metal hoses, hose boots, tube clamps



Flexible metal hose with integrated seal. They are used where higher wear has to be expected. However, it is less flexible and of heavier weight than a PUR hose.

Flexible metal hose	Item no.
100 mm	321 000
120 mm	321 200
140 mm	321 400
160 mm	321 600
180 mm	321 800
200 mm	322 000
250 mm	322 500
300 mm	323 000
350 mm	323 500

Hose boots are put on the ends of hoses. They are flared to facilitate further connection of components with the aid of tube clamps. To avoid static charging, the hose boot must be electrically connected with the suction hoses.

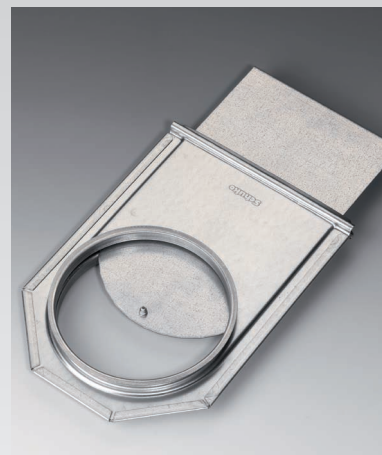
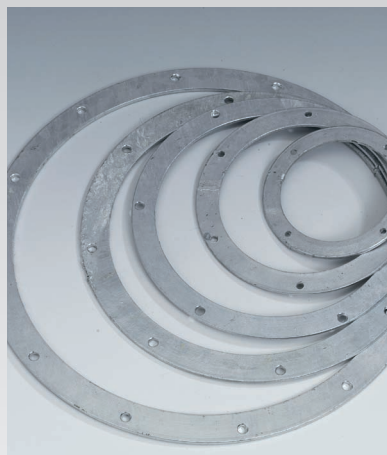
Hose boots	Item no.
80 mm	230 800
100 mm	231 000
120 mm	231 200
140 mm	231 400
160 mm	231 600
180 mm	231 800
200 mm	232 000
250 mm	232 500
300 mm	233 000
350 mm	233 500

Tube clamps are the connection elements among Schuko components. You can install your own extraction system within a short time and without any problems and any special tools. Connections can be removed any time. Tube clamps from Schuko have integrated sealing tapes.

Tube clamps incl. sealing tape	Item no.
80 mm	600 810
100 mm	601 010
120 mm	601 210
140 mm	601 410
160 mm	601 610
180 mm	601 810
200 mm	602 010
250 mm	602 510
300 mm	603 010
350 mm	603 510

Wide-type tube clamps incl. sealing tape	Item no.
400 mm	604 020
450 mm	604 520
500 mm	605 020
560 mm	605 620

Tube clamps, flange rings, manual gate valves



Stainless steel tube clamps should preferably be used for outdoor installations. They have the same dimensions as normal tube clamps.

Stainless steel tube clamp	Item no.
120 mm	609 120
140 mm	609 140
160 mm	609 160
180 mm	609 180
200 mm	609 200
250 mm	609 250
300 mm	609 300
350 mm	609 350
400 mm	609 400
450 mm	609 450
500 mm	650 500

Flange rings are the strongest connection type for extreme stress. We use flange rings for connections of overhead lines, cyclone components, deflector hoods and of parts which are subject to heavy weight or wind loads. All rings are hot-dip galvanized. The flange ring dimensions and hole circles are in conformity with the "Schuko Factory Standard".

Flange ring	Item no.
180 mm	701 800
200 mm	702 000
250 mm	702 500
300 mm	703 000
350 mm	703 500
400 mm	704 000
450 mm	704 500
500 mm	705 000
560 mm	705 600
630 mm	706 300
710 mm	707 000
800 mm	708 000
1000 mm	709 900

Manual gate valves of sendzimir-galvanized sheet steel should be installed when several extraction lines are connected to one fan and a connection not used is to be shut.

Manual gate valve	Item no.
100 mm	411 000
120 mm	411 200
140 mm	411 400
160 mm	411 600
180 mm	411 800
200 mm	412 000
250 mm	412 500
300 mm	413 000

Chain-actuated, motor-driven, pneumatic gate valves



Chain-actuated gate valves are operated manually. They should be installed in places where the tubes to be shut are located under the ceiling and the gate valves are not accessible without a ladder. In such cases, the respective gate valve can be operated with the aid of a chain. Please indicate in your order the installation height or the desired chain length.

chain actuated gate valves	Item no.
120 mm	421 200
140 mm	421 400
160 mm	421 600
180 mm	421 800
200 mm	422 000
250 mm	422 500
300 mm	423 000
350 mm	423 500
400 mm	424 000
450 mm	424 500
500 mm	425 000

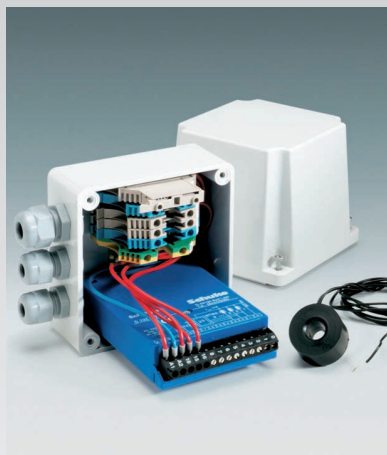
Motor-driven gate valves, 230 V, 50 Hz, as required according to TRGS 553, can be automatically actuated from the processing machine. The motor-driven gate valve has a vane which moves out of the valve opening. Thus its use is universal: for dust as well as for both short-staple and coarse chips. Opening/closing time of approx. 7-15 s.

Motor-driven gate valve	Item no.
100 mm	431 100
120 mm	431 120
140 mm	431 140
160 mm	431 160
180 mm	431 180
200 mm	431 200
250 mm	431 250
300 mm	431 300

Pneumatic gate valves from Schuko are made of die cast aluminium and are tightly sealing. Their high quality guarantees long life at maximum load. The maximum opening and closing periods of 2 seconds allow their use in cycled processes. The extraction cross section is fully opened. Please indicate in your order your desired type of control (24 VDC or 230 VAC). The pressurized air used must be dry and clean (6 bar max.).

Pneumatic gate valves	Item no.
100 mm	430 100
120 mm	430 120
140 mm	430 140
160 mm	430 160
180 mm	430 180
200 mm	430 200
250 mm	430 250
300 mm	430 300
350 mm	430 350
400 mm	430 400
450 mm	430 450

Control elements, container connections, tube holders



Control elements. ON/OFF control of pneumatic or electrically actuated gate valves can be effected via a potential-free contact if such is available on the processing machine. For extraction systems using several gate valves, we recommend control by a Programmable Logic Controller (PLC). Individual actuation of gate valves makes sense via a separate control element in conjunction with a pick-up coil.

Control elements	Item no.
motor-driven or pneumatic (without coil)	987 000
Pick-up coil for control element	882 600

Container connections. For the loading of chip containers, Schuko offers a quick-acting coupling system. A coupling pair consists of a screw-on part (incl. a flange ring for safe mounting to the container) and its mating part (for connection to the feeder line (flexible metal hose)). Both parts engage into each other and are fixed by quick-acting locks. This connection is easy to disengage for changing containers

Container connections	Item no.
200 mm	585 500
250 mm	585 600
300 mm	585 700
350 mm	585 800

Tube holders are provided for safe installation of tubes on walls. Exhaust air tubes which are fitted to outer walls can thus be installed at the correct distance from the wall with the aid of such holders. This makes it easy to overcome protruding roofs. Please indicate in your order the distance between the tube and the wall.

Tube holders	Item no.
120 mm	521 200
140 mm	521 400
160 mm	521 600
180 mm	521 800
200 mm	522 000
250 mm	522 500
300 mm	523 000
350 mm	523 500
400 mm	524 000
450 mm	524 500
500 mm	525 000
560 mm	525 600
630 mm	526 300
710 mm	527 000
800 mm	528 000
1000 mm	529 000

Tube hangers, tube rests, roof-type tube hangers



Type 1

Type 2



Tube hangers. The safe installation of tubes is in close connection with the respective mounting options on the building. Galvanized shells in conjunction with threaded rods ensure proper fixing and smooth tube installation.

Tube hanger	Item no.
100 mm	690 100
120 mm	690 200
140 mm	690 300
160 mm	690 400
180 mm	690 500
200 mm	690 600
250 mm	690 700
300 mm	690 800
350 mm	690 900
400 mm	691 000
450 mm	691 100
500 mm	691 200
560 mm	691 300
630 mm	691 400
710 mm	691 500
800 mm	691 600

Tube rests: Vertical tubes installed over greater heights must be safely fastened. Tube rests from Schuko can be swivelled and extended. Made of thick-walled and hot-dip galvanized material, and when screwed to the floor, they offer safe fixing of the tubes.

Tube rest	Item no.
Type 1 up to 200 mm	692 000
Type 1 up to 350 mm	692 100
Type 1 up to 450 mm	692 200
Type 1 up to 630 mm	692 300
Type 2 up to 200 mm	692 500
Type 2 up to 350 mm	692 600
Type 2 up to 450 mm	692 700
Type 2 up to 630 mm	692 800

Roof-type tube hangers. Under trapezoidal roofs, this type of hangers are the proper fittings for suspending tubes and components. By threaded rods, these hangers can be securely fastened.

Roof-type tube hangers	Item no.
Trapezhalter	693 100

Using **perforated steel tape** often is the most convenient way to install tubes. If this type of installation is performed properly it will be safe and even stable up to certain tube dimensions.

Perforated steel tape	Item no.
LB 17 reel	585 000



Fire flaps, limit switches, tube silencers



Fire flaps. If a suction/conveying line leads through a fire wall or a ceiling having the same protective function it must be provided with a closing option to prevent the propagation of fire. The Schuko fire flaps meet the requirements made in VDMA Specification 24179, Part 2. Distinction is made between horizontally and vertically installed fire flaps.

Fire flaps		Item no.
180 mm	horizontal	115 000
200 mm	horizontal	115 100
250 mm	horizontal	115 200
300 mm	horizontal	115 300
350 mm	horizontal	115 400
400 mm	horizontal	115 500
450 mm	horizontal	115 600
500 mm	horizontal	115 700
560 mm	horizontal	115 800
630 mm	horizontal	115 900
180 mm	vertical	115 010
200 mm	vertical	115 110
250 mm	vertical	115 210
300 mm	vertical	115 310
350 mm	vertical	115 410
400 mm	vertical	115 510
450 mm	vertical	115 610
500 mm	vertical	115 710
560 mm	vertical	115 810
630 mm	vertical	115 910

Limit switches of this design cannot be used in potentially explosive areas, for example, for fire flaps outside spray cabins.

Limit switch	Item no.
electric limit switch, not explosion-proof, for type-approved FK 90 fire flaps and for fire flaps without type approval	361 700

In potentially explosive areas, for example, for fire flaps inside spray cabins, **limit switches** of this design must be used.

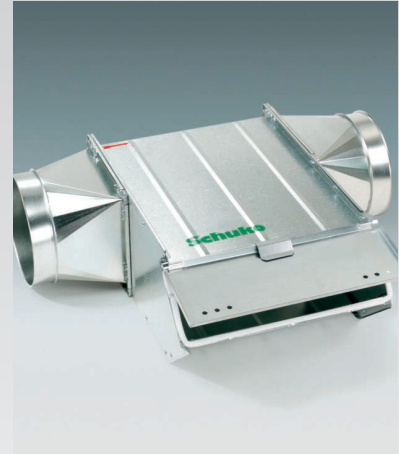
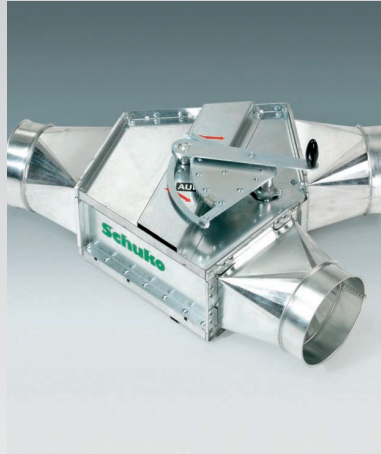
Limit switch	Item no.
electric limit switch, explosion-proof, for FK 90 fire flaps	361 800



Tube silencers are preferably installed at the pressure side behind the fan. This component reduces air-borne sound by up to 5 dB(A). These tube silencers have an outer shell of sendzimir-galvanized sheet steel and are insulated with sound-absorbing materials and inlays in the inside. Their face-to-face length is about 1000 mm.

Tube silencers	Item no.
140 mm	111 000
160 mm	111 100
180 mm	111 110
200 mm	111 200
250 mm	111 300
300 mm	111 400
350 mm	111 500
400 mm	111 600
450 mm	111 700
500 mm	111 800
560 mm	111 900
630 mm	111 910
710 mm	111 920
800 mm	111 930

Two-way valves, lump traps



Two-way valves. If tube lines split as, for example, is the case when silos or containers are alternately fed two-way valves are used in lines which convey materials. Switching over can be done manually and should, if possible, be performed while the system is at a standstill. The series design is of symmetrical V-junction type as shown in the illustration and has two 22.5° branches with respect to the centre line.

Upon request, the two-way valve can also be supplied in straight design with one port branching off the centre line at an angle of 22.5°.

Motor-driven two-way valves (picture, left) have the same dimensions and design as the manually actuated ones (picture, middle). They are actuated by a powerful 400 V, 50 Hz, three-phase current geared motor, the working range of which is restricted by limit switches.

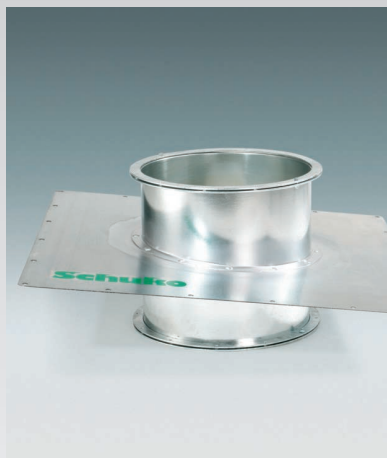
Two-way valve	Item no.
manual 160 mm	113 100
manual 180 mm	113 200
manual 200 mm	113 300
manual 250 mm	113 400
manual 300 mm	113 500
manual 350 mm	113 600
manual 400 mm	113 700
manual 450 mm	113 800
motor driven 160 mm	118 000
motor driven 180 mm	118 100
motor driven 200 mm	118 200
motor driven 250 mm	118 300
motor driven 300 mm	118 400
motor driven 350 mm	118 500
motor driven 400 mm	118 600

Two-way valves are also available with pneumatic adjustment.

Lump traps Lumps in extraction systems have annoying side effects. If such parts get into the fan or into the automatic silo discharge system trouble and/or major wear will be the result. Also, the impact of such parts in the tube, particularly in bends, considerably raises the noise level. Lump traps integrated into an extraction system at the suction side will separate bigger pieces of waste from the chip flow. However, 100 % separation cannot be guaranteed. Advice given by an expert will be inevitable before a lump trap is installed.

Lump trap	Item no.
bis 200 mm	112 000
bis 350 mm	112 100
bis 400 mm	112 200
bis 500 mm	112 300

Roof lead-throughs, torsion absorbers, magnetic separators



Roof lead-throughs. With the aid of Schuko roof lead-throughs, you can neatly and tightly lead tubes through your roof. This is another example where our many years of experience have been the basis of designing. The large area of the part which rests on the roof can be easily sealed by a roofer. Please indicate in your order the pitch [°] of your roof.

Roof lead-throughs	Item no.
up to 300 mm	586 700
up to 400 mm	586 800
up to 500 mm	586 900
up to 630 mm	587 000
up to 710 mm	587 100
up to 800 mm	587 200
up to 1000 mm	587 300

Torsion absorber. A torsion absorber compensates torsion, for example, on CNC machine tools. The machine connection, often a flexible suction hose, will not be twisted, and the load on the machine unit will thus be drastically reduced.

Torsion absorber (CNC)	Item no.
200 mm	586 400
250 mm	586 410
300 mm	586 420
350 mm	586 430

Magnetic separator. The ingress of metal parts into extraction systems can often not be effectively prevented. Especially behind fragmentizing machines, metal parts such as screws and nails have to be expected. Provided with a strong permanent magnet, this type of separator can remove a part of such metal parts from the chip flow. However, 100 % material separation is impossible. The effectiveness of the separator depends on the material density, the part size and on the air flow velocity.

Magnetic separator	Item no.
straight 180 mm	462 100
straight 200 mm	462 200

We reserve the right to make modifications consistent with technical advance without prior notice.



Quality that pays.



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