



Exhaust Extraction Systems for car repair shops

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Why is the extraction of exhaust necessary?

The inhalation of vehicle emissions massively affect your health. It may cause irritation of eyes and airways, coughing, shortness of breath and heart and circulatory ailments. The contained toxins can enter the bloodstream and cause dizziness or nausea. Diesel exhaust fumes are carcinogenic and promote the development of allergies. Modern engines produce very fine, respirable particles.

A technical ventilation is not sufficient for the safe continuation of the pollutants. The exhaust gases that emerge by running a combustion engine concentrate in the breathing zone of the employees, before they can be caught by the ventilating system



The direct gathering – with the help of an exhaust extraction system - is the only effective way (localised extraction), to collect the exhaust gases directly at the exhaust pipe. All ecovent products fulfill the needs of the german TRGS 554.

The required suction output for exhaust gas checks can be computed with the following term:

$$V = V_H * n * 0,0363 * s \quad \text{with: } V_H = \text{cubic capacity[l]}, n = \text{agitator speed}[\text{min}^{-1}], s = 1,2 \text{ (security)}$$

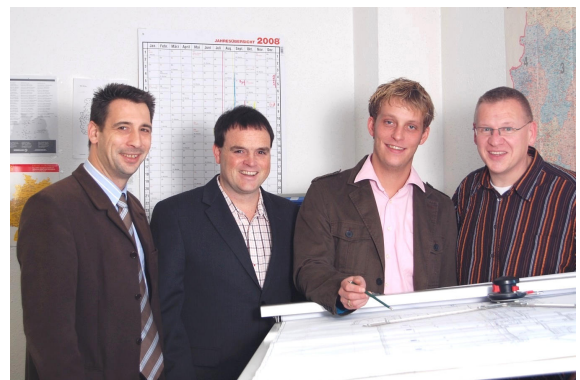
For exhaust gas checks you need at least 600 m³/h for cars and 1200m³/h for trucks.

Following the german TRGS 554 exhaust extraction systems need to be serviced periodically and succumb a yearly inspection.

ecovent®, clean air for you!

ecovent GmbH & Co. KG was founded in 1997 by Dipl.-Ing. Jens Hagemeister in Lübbecke, Germany and is one of the market leader in the field of exhaust extraction systems with thousands of installations.

from left to right: Frank Sandeck (area sales manager),
Jens Hagemeister (CEO),
Thorben Pax (area sales manager), Roger Wulf (Sales department).



Quick decision-making and a competent, open-minded staff allow to create functional and high-class exhaust extraction systems.

From development, production and project planning to installation and service, with us you get everything from one source.

Expert advice is available from selected and trained retail partners.

But even after the purchase and installation you are in good hands. If you need help, a partner of ecovent is helping you.

picture to the right: ecovent fleet






Funnels and accessories



Exhaust funnels by ecovent can convince by good handling, long-life cycle and elaborated ergonomics. The Plug-on nozzle with clamping pliers is especially designed for standard-exhaust pipes, where as the pneumatic nozzle allows the mounting at chromed exhaust pipes very gently.






	Description	Article	price/€
	Plug-on nozzle made from neoprene rubber including connecting sleeve for exhaust hose. DN 65, suction opening 90 mm DN 75, suction opening 110 mm DN 100, suction opening 150 mm	11506 11507 11510	49.00 71.00 77.00
	exhaust nozzle with clamping pliers made from neoprene rubber with smooth-running grip mechanism. The round acquisition funnel easily adapts to various exhaust pipes. DN 75, for cars, funnel measure Ø150 mm, oval 180 x 100 mm DN 100, for cars, funnel measure Ø150 mm, oval 180 x 100 mm DN 125, for cars, funnel measure Ø150 mm, oval 180 x 100 mm DN 125, for trucks, funnel measure Ø190 mm, oval 220 x 120 mm DN 150, for trucks, funnel measure Ø190 mm, oval 220 x 120 mm DN 150, for trucks, similar to Art.-No.: 11665, reinforced, shear-bar grip	11657 11660 11661 11662 11665 11675	198.00 198.00 198.00 228.00 228.00 279.00
	Special-Exhaust-Nozzle with pneumatic operation for chromed or double-walled end pipes. Oval building also usable for double-pipes, partial coating with Kevlar, hand pump and drain valve. suction cross section 80x150mm, DN 100 suction cross section 100x200mm, DN 100 suction cross section 80x150mm, DN 145, for nozzle with clamping pliers suction cross section 100x200mm, DN 145, for nozzle with clamping pliers	26215 26220 26235 26240	268.00 309.00 331.00 372.00
	Exhaust-Nozzle with Internal locking device for exhaust pipes that are difficult to access, with separate chrome screens in the bumper. With easy moving, ergonomic handling mechanism and neoprene funnel. funnel measure ca. 260x140 mm, DN 100 funnel measure ca. 260x140 mm, DN 145, for nozzle with clamping pliers	26525 26545	338.00 378.00
	Exhaust-Nozzle with flap rubber-metall-execution, closes automatically when not used. DN 100 DN 125 DN 150	11610 11612 11615	105.00 122.00 138.00
	Aluminium nozzle with clamping pliers round execution. DN 100 DN 125 DN 150 DN 200	11110 11112 11115 11120	118.00 123.00 128.00 153.00
	Adapter for vehicles with two exhaust pipes Consisting of two exhaust nozzles with clamping pliers, 2x 1.25m high temperature hose TG1000, hose clamps with bridges. Y-piece (100/100/100) Y-piece (100/100/145) for plugging onto an existing exhaust nozzle	11731 11733	611.00 638.00

	Description	Article	Price/€
	Exhaust gas check funnel with Tripod (TRGS/BIA) incl. probe board, with light, tip over Tripod (three-point base plate), blue covered, with comfortable galling hinge for inclination adjustment (at DN 190 and DN 200 with Tripod „classic“). DN 125 DN 145, for plugging onto an existing exhaust nozzle DN 150 DN 150 DN 190, for plugging onto an existing exhaust nozzle DN 200 DN 200	11712 11714 11715 11719 11720	254.00 254.00 254.00 283.00 283.00
	Exhaust gas check funnel for vehicles with two exhaust pipes Incl. probe board, with light, tip over Tripod (three-point base plate), blue covered, with comfortable galling hinge for inclination adjustment, quick coupling with flap on the side and additional 1.67m exhaust hose DN100 with exhaust nozzle with clamping pliers, quick coupling DN 100 and wall support. DN 125	11736	802.00
	Extraction hood for trucks "vertically" Suitable for trucks with a vertical-exhausting pipe, handle for easy use, pipe diameter 150 mm. DN 145, for plugging onto an existing exhaust nozzle DN 150 DN 150	11814 11815	302.00 302.00
	Installation Throttle for all ecovent-funnels and nozzles, the actuation of the throttle takes place manually, a compression spring holds the adjusted position. DN 75 DN 100 DN 125 DN 150	17957 17960 17962 17965	38.00 41.00 42.00 46.00
	Wall support made of cast aluminium, for hoses DN 100 made of coated steel (w/o picture), for hoses up to DN 150 made of coated steel (w/o picture), for hoses up to DN 200	10910 10925 10930	51.00 32.00 50.00
	Balancer „compact“ To lift up the exhaust hose, pullout: 3.00m, with adjustment. Tensile force: 6 - 8 kg Tensile force: 8 - 10 kg Tensile force: 10- 14 kg fastening set to mount the balancer at the suction car	04156 04158 04160 04229	381.00 381.00 381.00 9.20
	Balancer 8000 Smooth tensile force by tapered roller for the whole draw length of 8,00m, with disengageable adjustment. Tensile force 5 - 11 kg Tensile force 8,5 - 15 kg fastening set to mount the balancer at the suction car	04202 04203 4204	586.00 659.00 38.00








Exhaust hoses

	Description	Ø 75	Ø 100	Ø 125	Ø 150	Ø 200
	Exhaust hose TP slight and flexible, smooth inside with strong nylon spiral and exterior anti-chafing, temporary suited for 170°C, chauses over-mobile, black, lengths up to. 20m. standard lengths: 2.5m 5.0m 7.5m 10.0m	10207 29.00	10210 34.00	10212 43.00	10215 49.00	10220 69.00
	Exhaust hose TG1000 Very flexible exhaust hose made of a special rubber compound, temporary suited for 200°C, continous loa d up to 180°C, exterior over-mobile. standard lengths: 2.5m 5.0m 10.0m	- -	10110 47.00	10112 56.00	10115 65.00	10120 94.00
	Hose clamp with bridges 12 mm wide, galvanized	10657 4.10	10660 4.60	10662 5.10	10665 6.10	10670 7.20

	Description	Ø 63	Ø 75	Ø 100
	Exhaust hose TU This hose was especially designed for the hard every day work with subsurfical systems. Because of the special ruber composition the hose is fully traversable. standard lenghts 2.5m 3.3m 4.0m 5.0m	10006 40.00	10007 42.00	10010 51.00
	Hose clamp 12 mm wide, galvanized	10610 2.00		

	Description	Ø 100	Ø 125	Ø 150	Ø 200
	Exhaust Hose GL 300 Stitched design made of specialised tissue, anti-chafing, suitable up to 300°C, not over-mobile, every length is availabl e.	29310 69.00	29312 91.00	29315 110.00	29320 136.00
	Exhaust Hose GL 400 Stitched design made of specialised tissue, anti-chafing, suitable up to 400°C, not over-mobile, every length is availabl e.	29410 98.00	29412 105.00	29415 128.00	29420 145.00
	Exhaust Hose GL 500 Stitched design made of specialised tissue, anti-chafing, suitable up to 500°C, not over-mobile, every length is availabl e.	29510 168.00	29512 186.00	29515 228.00	29520 270.00
	Exhaust Hose GL 650 Stitched design made of specialised tissue, anti-chafing, suitable up to 650°C, not over-mobile, every length is availabl e.	29610 218.00	29612 242.00	29615 296.00	29620 351.00
	Hose clamp 12 mm wide, galvanized.	10610 2.00	10615 2.60	10615 2.60	10620 3.10

The return of the exhaust hoses is basically not possible, as they are manufactured or trimmed order related.
The hoses are laid out for the use in exhaust extraction systems. There will be no warranty for the hoses when not using an exhaust fan. The minimum length calculation is 1.00m per hose.

	Description	Ø 75	Ø 100	Ø 125	Ø 150	Ø 200
	Rubber cover for hose clamps	10957 5.00	10960 6.00	10962 7.50	10965 9.00	10970 12.00
	Hose connector solid construction, galvanized	10707 7.20	10710 9.70	10712 12.80	10715 14.80	10720 17.40
	Y-piece solid construction, galvanized (please specify d2 and d3).	- -	11760 68.00	11762 75.00	11765 95.00	11770 127.00
	hose coupling half with 2 release levers for quick, save and rotatable Connection of two exhaust hoses. Also for connection* to an exhaust funnel. galvanized construction.	- -	28710 78.00	28712 87.00	28715 96.00	28720 120.00
	hose coupling half with cutting board for quick, save and rotatable Connection of two exhaust hoses. Also for connection* to an exhaust funnel. galvanized construction.	- -	28810 33.00	28812 41.00	28815 49.00	28820 68.00
	rotary flange for exhaust hose is also suited for connection at a suction car or at a pipeline.	- -	28610 100.00	28612 115.00	28615 131.00	28620 169.00
	hose support for Balancer inclusive chain link and hook (Ø200 strengthened).	4207 25.10	4210 28.00	4212 30.00	4215 33.00	4220 68.00

* = plus mounting flat of 20,-€ net per connection

- Options:
- temperature resistances of hoses up to 800°C
 - galvanized parts are also available in stainless steel
 - hose supports in shell-edition



exercise test with exhaust hose TU



complete recovery of the hose

Single Place and gas check systems



nozzle with clamping pliers

The **Single Place exhaust extraction system** by ecovent is the most economically priced system, to extract exhaust gases. The sets comprise a complete system consisting of:

- high-performance fan (steel) with motor protection switch
- wall console, connecting piece
- 5m high-temperature exhaust hose (more at double-flow pipes)
- exhaust nozzle with clamping pliers or exhaust gas check funnel
- mounting accessories

Appropriate to individual needs an exhaust piping can be offered. All funnels and nozzles correspond to the new TRGS 554 (Oct. 2008), so that an optimal acquisition of the exhaust gases is warranted.

The exhaust extraction systems for cars are available with a fan made of casted aluminium or in 230V version with extra charge. Wall support optional.



exhaust gas check funnel with Tripod

exhaust gas check extraction via funnel with Tripod

	car standard	car with double-flow	car DPF	truck
fan				
- type	VB 100-R	VB 100-R	VB 100-R	VB 200
- flow rate	1750 m³/h	1750 m³/h	1750 m³/h	3000 m³/h
- total pressure	1620 Pa	1620 Pa	1620 Pa	2150 Pa
- motor capacity	0,75 kW	0,75 kW	0,75 kW	1,5 kW
- tension	400 V	400 V	400 V	400 V
- weight	21 kg	21 kg	21 kg	31 kg
hose				
- diameter	125mm	100/125mm	150mm	150mm
- resistance	180°C	180°C	300°C	180°C
order-no.	19558	19554	19559	19555
price / €	1291.00	1808.00	1526.00	1821.00

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Single place extraction (nozzle with clamping pliers)

	car vans	car with double-flow	truck
fan	VB 100-R	VB 100-R	VB 100-R
hose			
- diameter	100mm	100mm	125mm
- resistance	180°C	180°C	180°C
order-no.	19563	19564	19566
price / €	1189.00	1523.00	1265.00

mobile extraction systems

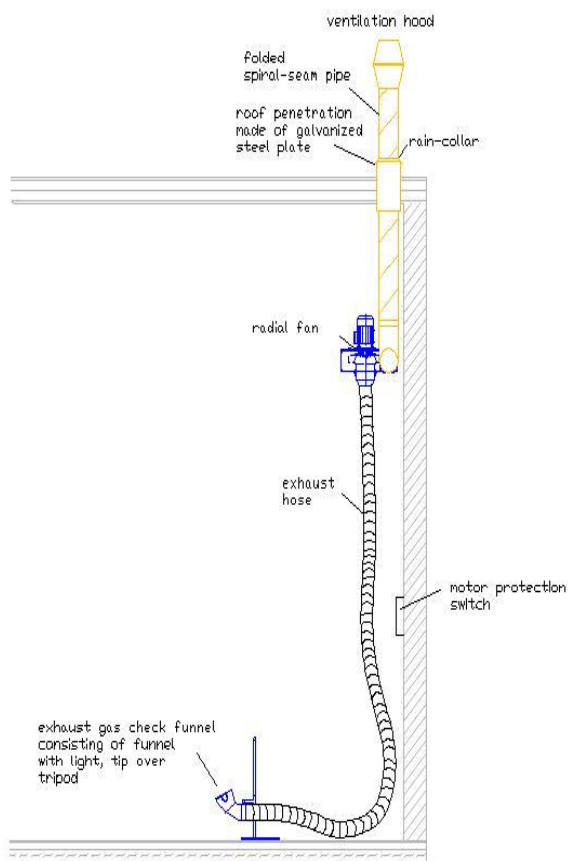
	car van	truck
fan	VB 100-R	VB 100-R
hose- Ø	100mm	125mm
order-no.	15992	15993
Price / €	1189.00	1189.00



mobile fan



direct reception in a Mercedes-Benz repair shop



Installation notes:

The fan can be mounted directly at the wall or a concrete support.

The installation at a steel beam is possible with using two mounting sets Art.-No. 04438.

Installation height: 2.50m – 3.50m

installation situation

Hose Reels

Our hose reels offer ease of use with a very favorable price-performance ratio.

The solid base frame and the side plate are made of powder-coated, solid steel plate.

The hose stop is integrated in the Reel; so that the hose is relieved and the durability is increased. The black, flexible high-temperature exhaust hose TG1000 is designed for permanent use up to 180°C. The installation can take place directly at the ceiling or at the wall. The direct installation of the fans type Ventilatoren VB 100-R und VG 055 bis VG 160 is very economic.

They can be flanged directly to the reel via clamping ring.

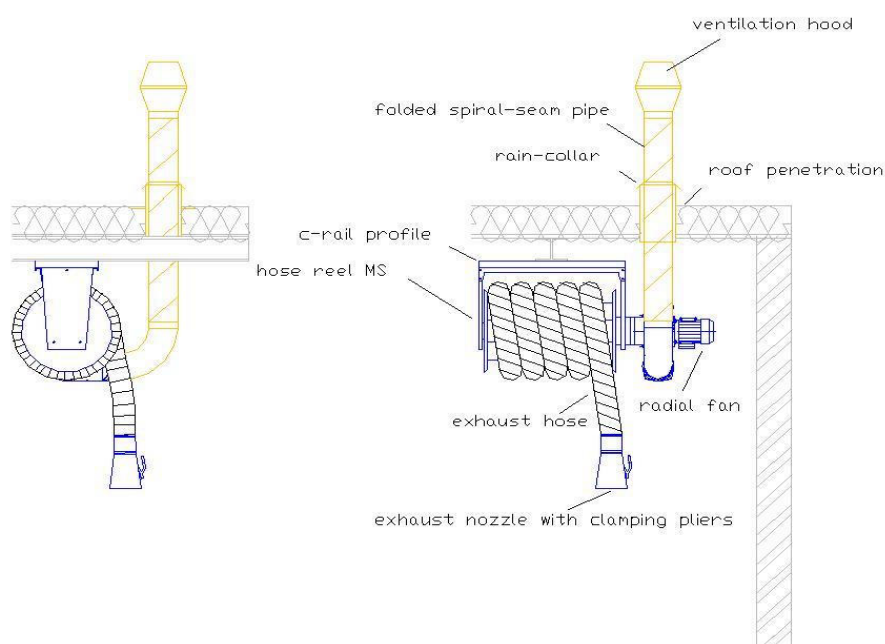
	Description	Article	Price/€
	Spring driven Hose Reel, type FS solid base frame for universal mounting, high-performance springs, nozzle with clamping pliers, complete with exhaust hose TG1000.		
	Type FS 680, Ø 100, 7.5 m length, nozzle for car	S-06110	1426.00
	Type FS 680, Ø 125, 7.5 m length, nozzle for car or truck (please state)	S-06112	1524.00
	Type FS 680, Ø 150, 7.5 m length, nozzle for truck	S-06115	1594.00
	Type FS 880, Ø 100, 10 m length, nozzle for car	S-06210	1643.00
	Type FS 680, Ø 125, 10 m length, nozzle for car or truck (please state)	S-06212	1764.00
	Type FS 880, Ø 150, 10 m length, nozzle for truck	S-06215	1856.00
	Motor driven Hose Reel, type MS Solid base frame for universal mounting, drive motor 0.23 kW, nozzle with clamping pliers, complete with exhaust hose TG1000.		
	Type MS 680, Ø 100, 7.5 m length, nozzle for car	S-06410	1802.00
	Type MS 680, Ø 125, 7.5 m length, nozzle for car or truck (please state)	S-06412	1900.00
	Type MS 680, Ø 150, 7.5 m length, nozzle for truck	S-06415	1970.00
	Type MS 880, Ø 100, 10 m length, nozzle for car	S-06510	2019.00
	Type MS 680, Ø 125, 10 m length, nozzle for car or truck (please state)	S-06512	2140.00
	Type MS 880, Ø 150, 10 m length, nozzle for truck	S-06515	2232.00
	Type MS 880, Ø 100, 12.5 m length, nozzle for car	S-06610	2137.00
	Type MS 1080, Ø 125, 12.5 m length, nozzle for car or truck (please state)	S-06612	2408.00
	Type MS 1080, Ø 150, 12.5 m length, Lkw-Trichter	S-06615	2495.00
	mounting set for hose reels for installation at steel beams or steel truss (2 pieces needed).	04438	40.00
	accessories for hose reels type FS for fan control switching tableau with rotary switch or calliper(locking) and signal lamp	15876	74.00
	control unit operated via locking switch	05794	338.00
	each additional switching in the control unit (from the second on)	05799	58.00
	accessories for hose reels, type MS switching tablaeu with calliper (UP/DOWN), electrically interlocked	05842	61.00
	pendant with 5m cable, reel (UP/DOWN), mechanically interlocked	05852	151.00
	2-channel-radio remote control with hand-held transmitter (UP/DOWN) und receiver(only in combination with control unit)	15880	634.00
	control unit for central ventilatory via push-button, incl. motor protection switch	05792	382.00
	each additional switching in the control unit (from the second on)	05799	58.00

- options:
- Hose reels for longer hoses or bigger hose diameters
 - Hose reel applications at suction rails

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hose reels in a testing station



installation situation

installation notes:

The hose reel is designed für direct installation at the ceiling or at the wall. The installation at a steel beam is possible with using two mounting sets Art.-No. 04438.




The flangable fan sets are directly mounted at the hose reel.

Multiple hose reels can be equipped with one central fan.

installation height: 2.50m (Wall)
4,00m (ceiling)

Suction Rail for cars and small trucks

Suction rail systems are the flexible solution for your repair shop. The following components can be combined to a complete exhaust extraction system. The amount of mounting kits is also directed to the building regulations. Especially for spans over 5.50m, we support you in planning.

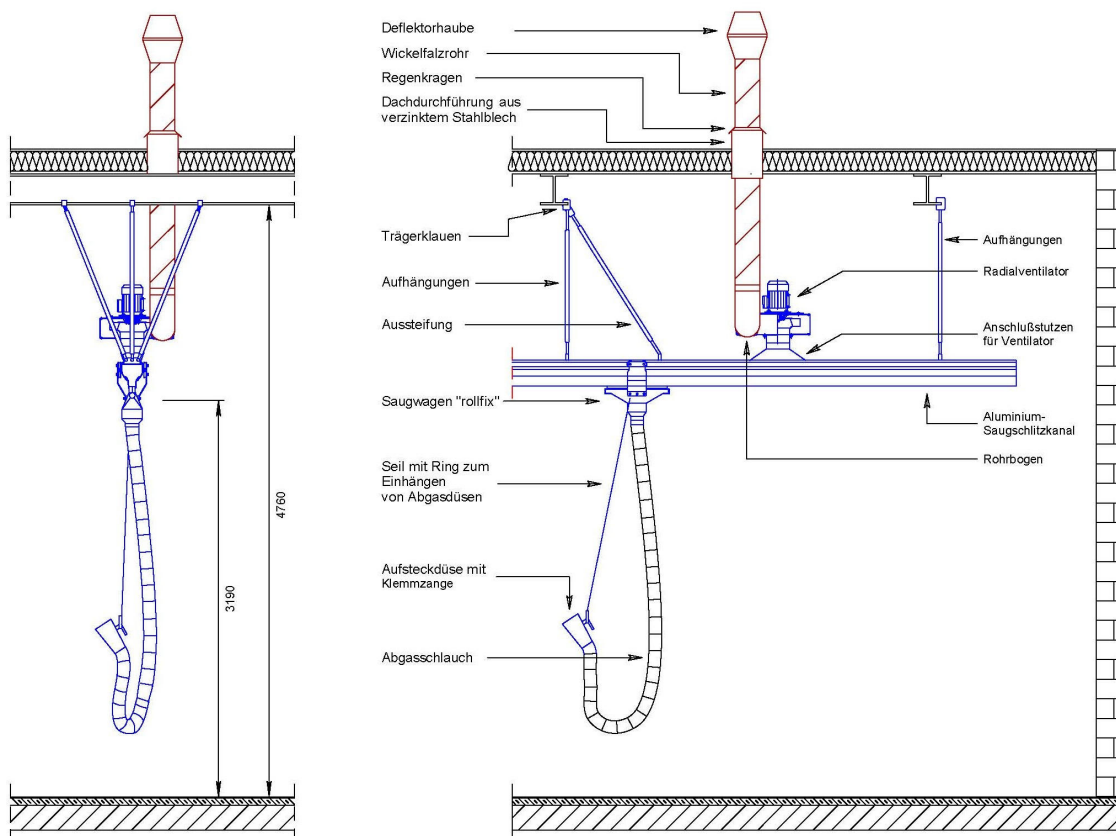
	Description	Article	Price/€
	System AS 200, complete consisting of suction rail AS 200 with sealing lips, connection sleeves, 2 end stops, 2 end covers, 1 connecting piece on rail, screw set		
	6 m Length (2 mounting kits recommended)	S-01306	647.00
	8 m Length (3 mounting kits recommended)	S-01308	836.00
	10 m Length (3 mounting kits recommended)	S-01310	1012.00
	12 m Length (3 mounting kits recommended)	S-01312	1188.00
	14 m Length (4 mounting kits recommended)	S-01314	1377.00
	16 m Length (4 mounting kits recommended)	S-01316	1552.00
	18 m Length (4 mounting kits recommended)	S-01318	1728.00
	20 m Length (5 mounting kits recommended)	S-01320	1917.00
	Suspension set consisting of suspension bracket, tubular suspension and U-bolt-brackets L = 500mm L = 1000mm L = 1500mm	S-04305 S-04310 S-04315	74.00 80.00 86.00
	or wall console set consisting of console and ceiling mount, Length = 500 mm	S-04405	47.00
	Diagonal stiffeners with suspension bracket, U-bolt-brackets and screw set 1 piece required for each suction rail. L = 1000mm L = 1500mm L = 2000mm	S-04210	49.00
		S-04215	52.00
		S-04220	55.00
	Suction unit "rollfix" with suction car, 5 m exhaust hose TG1000 up to 180 °C, nozzle for cars and rope to hang in the nozzle. nozzle with clamping pliers for car repairs (max. 650 m³/h), DN 100 nozzle with clamping pliers for car, DN 125	S-04710 S-04711	674.00 772.00
	optional:		
	Installation throttle for rope (needed for more than one suction points)	17915	49.00
	Installation throttle for balancer operation	04015	104.00
	exhaust gas check funnel , DN 145, for plugging onto an nozzle with clamping pliers	11715	254.00

- options:
- longer suction rail systems
 - automatic discoupling, reverse routes with linear slopes, switch points and curves
 - electrical drive for the retrieval of the suction cars for test lanes
 - conductor lines e. g. for motor driven hose reels or extraction arms within the suction rail

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suction rail system in a Mercedes-Benz repair shop



example for an installation situation

Suction rail for trucks

Suction rail systems also are a flexible solution for the exhaust extraction of trucks and other commercial vehicles. The following components can be combined to a complete exhaust extraction system. The amount of mounting kits is also directed to the building regulations. Especially for spans over 5.50m, we support you in planning.

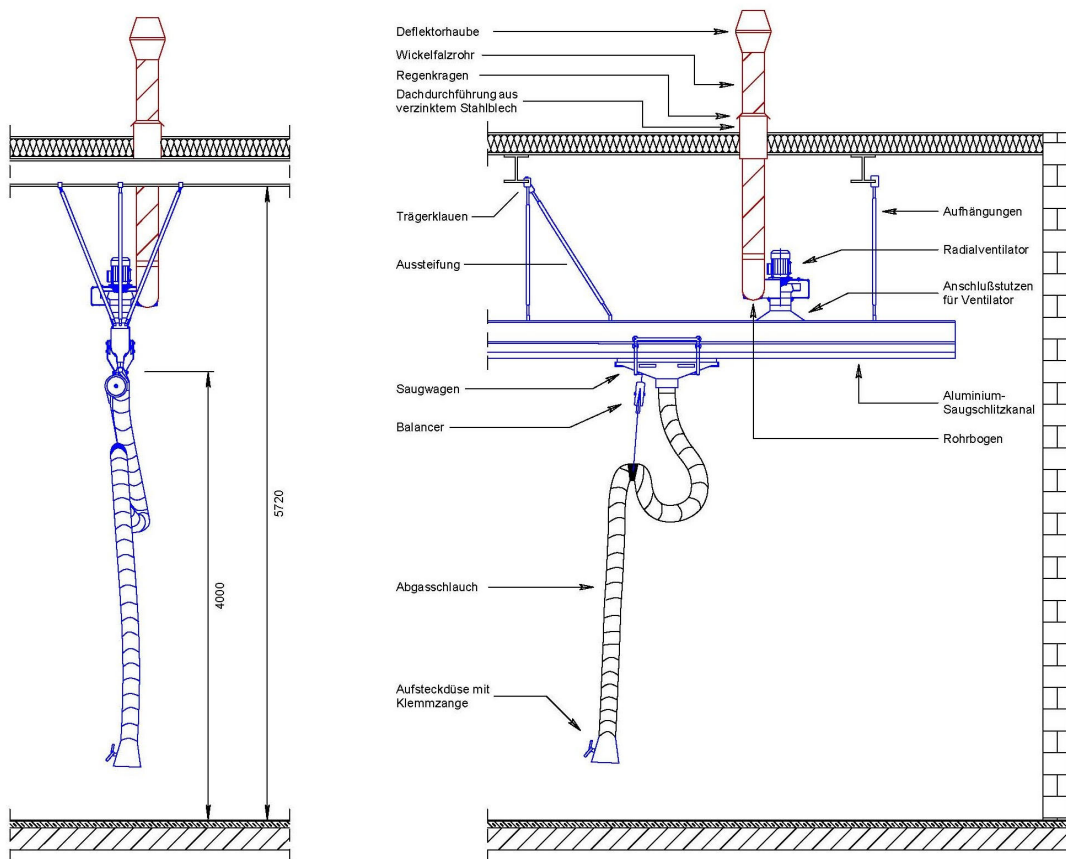
	Description	Article	Price/€
	System AS 290, complete consisting of suction rail AS 290 with sealing lips, connection sleeves, 2 end stops, 2 end covers, 1 connecting piece on rail, screw set		
	6 m Length (2 mounting kits recommended)	S-02006	955.00
	8 m Length (3 mounting kits recommended)	S-02008	1244.00
	10 m Length (3 mounting kits recommended)	S-02010	1518.00
	12 m Length (3 mounting kits recommended)	S-02012	1792.00
	14 m Length (4 mounting kits recommended)	S-02014	2081.00
	16 m Length (4 mounting kits recommended)	S-02016	2356.00
	18 m Length (4 mounting kits recommended)	S-02018	2630.00
	20 m Length (5 mounting kits recommended)	S-02020	2919.00
	Suspension set consisting of suspension bracket, tubular suspension and U-bolt-brackets L = 500mm L = 1000mm L = 1500mm	S-04305 S-04310 S-04315	74.00 80.00 86.00
	or wall console set consisting of console and ceiling mount, Length = 500 mm	S-04405	47.00
	Diagonal stiffeners with suspension bracket, U-bolt-brackets and screw set 1 piece required for each suction rail. L = 1000mm L = 1500mm L = 2000mm	S-04210 S-04215 S-04220	49.00 52.00 55.00
	Suction unit "rollfix" with suction car, 5 m exhaust hose TG1000 up to 180 °C, nozzle for trucks and rope to hang in the nozzle. DN 125, for smaller trucks (max. 1000 m ³ /h) DN 150, for heavy trucks (max. 1500 m ³ /h)	S-04712 S-04715	802.00 823.00
	optional: Installation throttle for rope (needed for more than one suction points)	17915	49.00
	Installation throttle for balancer operation	04015	104.00
	exhaust gas check funnel DN 190, DN 145, for plugging onto an nozzle with clamping pliers	11715	254.00

- Options:
- longer suction rail systems, bigger cross-sections (AS 440, AS 590, AS 740)
 - automatic discoupling, reverse routes with linear slopes, switch points and curves
 - electrical drive for the retrieval of the suction cars for test lanes
 - conductor lines e. g. for motor driven hose reels or extraction arms within the suction rail

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suction rail for trucks



example for an installation situation

Hinged cantilever

The **hinged cantilever by ecovent** provides clean air especially with the emission detection at commercial vehicles

The **Mounting** can be effected at the wall, at steel beams or, with the help of special consoles, at the ceiling.

If necessary the cantilever can pivoted to the wall so that the working space is available in full width. Especially if **crane runways** exist this is the perfect solution.

The hinged cantilaver consist of a rotating console, stiffener and suction rail cantilever arm, but without **suction unit**.

The hanging construction needs about 1.50m space to the ceiling.






standing construction










Description	4m	6m	8m	10m
Hinged cantilever with rotating console, hanging suction connection overhead DN200 with suction rail AS200	37104 2182.00	37106 2356.00	37108 2555.00	37110 2827.00
Hinged cantilever with rotating console, hanging suction connection overhead DN200 with suction rail AS290	37204 2383.00	37206 2664.00	37208 2963.00	37210 3333.00
Hinged cantilever with rotating console, standing suction connection overhead DN200 with suction rail AS200	37154 2359.00	37156 2659.00	37158 3038.00	- -
Hinged cantilever with rotating console, standing suction connection overhead DN200 with suction rail AS290	37254 2560.00	37256 2967.00	37258 3446.00	- -

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Subsurface exhaust extraction system





	Description	Article	Price/€
	Universal-end closure BV240, made of solid casted metal, 240mm x 240mm, DN 150 BV300, made of solid casted metal, 300mm x 300mm, DN 200	09104 09106	112.00 191.00
	Pipe connection 90° for end-closure BV240, vertical construction (for BV300 on request).	09122	49.00
	Hose-connecting bend for universal-end closure BV240, galvanized (for BV300 on request). DN 100 DN 125 DN 150 Additional charge for other emd closures according to measurements	09210 09212 09215 09292	54.00 60.00 65.00 68.00

Auto Body, welding fume extraction

	Description	Article	Price/€
	Extraction arm "New Line" with internal parallelogram for a smooth readjusting of the arm. DN 158, including rotary flange, extraction hood and black standard hose. L = 2000 mm L = 3000 mm L = 4000 mm	40216 40316 40416	345.00 375.00 415.00
	Extraction „New Line“ with exterior parallelogram for a smooth readjusting of the arm. DN 158, including rotary flange, extraction hood and black standard hose. L = 2000 mm L = 3000 mm L = 4000 mm	41216 41316 41416	535.00 575.00 615.00
	Wall console for extraction arm, all-purpose, with quick span bord DN 160	30912	108.00
	Connection pieces clamping ring DN 160, for the mounting of the fans VB 100-R und VG 100 - VG 160 onto the wall console pipe connection with bord, galvanized, DN 160 connection flange for suction car DN 150 and extraction arm (w/o picture)	18766 18716 30932	23.00 14.00 75.00
	Welding fume extraction arm "New Line" with fan this combination consists of the fan VB 100-R with 0,75 kW, wall console, flanged connection by clamping ring DN 160, motor protection swith and extraction arm. 2.00 m extraction arm 3.00 m extraction arm 4.00 m extraction arm	33526 33536 33546	1093.00 1123.00 1163.00
	Mobile welding fume filter inclusive filter cartridge with an filtration efficiency > 99 %, 0,75 kW, suction capacity about 1000 m3/h at the extraction hood, plug-in. length of extraction arm 2.00m length of extraction arm 3.00m	33322 33323	2044.00 2123.00
	Accessories for extraction arms installation throttle with pressure spring for a safe fixing, DN 150 Halogen-lightening kit inclusive transformer unit (230V / 12V)	17965 31932	46.00 198.00
	Substitute extraction hose for extraction arms „New Line“ for the 2.00m-arm 2.50m of hose is necessary, for the 3.00m-arm 3.50m hose and for the 4.00m-arm 4.50m hose, color: black, DN 158, price €/m.	34216	32.00
	Extraction hose HP made of hypalon-coated polyster-canvas, suitable up to 175 °C, €/m. DN 150 DN 160	34165 34166	78.00 81.00




options: - Welding fume filter (stationary), extraction arm cantilever, intent hood

Fan sets

	Description	Article	Price/€
	Fan kit, type VB 100-R for flanging consisting of fan, rubber seal, clamping ring for installation at a hose reel or connection piece on suction rail. fan, type VB 100-R, 0.75kW, connection-Ø = 160mm.	55207	580.00
	Fan kit made of coated aluminium for flanging consisting of fan, rubber seal, clamping ring for installation at a hose reel or connection piece on suction rail. fan, type VG 055, 0.40kW, connection -Ø = 160mm fan, type VG 100, 0.75kW, connection -Ø = 160mm fan, type VG 160, 1.20kW, connection -Ø = 160mm	55104 55107 55112	693.00 682.00 830.00
	Fan kit with console consist of fan, rubber-bonded metall record, rubber seal. console on suction rail with elbow pipe or wall console with second rubber seal (please state). fan, type VB 100-R, 0.75kW, connection-Ø = 160mm fan, type VB 150, 1.1kW, connection-Ø = 200mm fan, type VB 200, 1.5kW, connection-Ø = 200mm fan, type VB 300, 2.2kW, connection-Ø = 200mm fan, type VB 400, 3.0kW, connection-Ø = 250mm	56207 56311 56315 56322 56330	713.00 947.00 1218.00 1282.00 1758.00
	Fan kit made of coated aluminium with console consist of fan, rubber-bonded metall record, rubber seal. console on suction rail with elbow pipe or wall console with second rubber seal (please state). fan, type VG 055, 0.40kW, connection-Ø = 160mm fan, type VG 100, 0.75kW, connection-Ø = 160mm fan, type VG 160, 1.20kW, connection-Ø = 160mm	56104 56107 56112	766.00 815.00 903.00

options: - Type VB 100-R with 230V , fans up to 15kW, high-temperature fans up to 400°C/2h, rain cover

Control units / Accessories

	Description	Article	Price/€
	Motor protection switch with built-on enclosure 0 - 1.6 A (- 0.55 kW) 1.6 - 2.4 A (- 0.8 kW) 2.4 - 4 A (- 1.5 kW) 4 - 6 A (- 2.5 kW) 6 - 10 A (- 4 kW)	15852 15854 15856 15858 15860	83.00 83.00 83.00 83.00 95.00
	Fan control unit from several control points switching tableau with rotary switch or calliper(locking) and signal lamp control unit operated via locking switch each additional switching in the control unit (from the second on)	15876 05794 05799	74.00 338.00 58.00
	noise insulation jacket for fans mounted on wall console made of galvanized steel plate, 50mm mineral wool insulation and fleece layer, silencing about. 15dB(A) incl. installation of the fan. 650 x 650 x 650mm, for fans up to 1.5kW 800 x 800 x 800mm, for fans up to 3.0kW extra charge for strengthened wall console (for noise insulation jacket)	15891 15892 15806	844.00 946.00 120.00

options: - Motor and control unit for two speed steps (1500min⁻¹ / 3000min⁻¹)
- frequency converter for variable speed steps, automatic light barrier control for suction rail

Pipeline kits

	Description	Ø 160	Ø 200	Ø 250
	air outlet pipeline*, roof pitch: 0-30° consisting of roof penetration, ventilation hood, 3m folded spiral-seam pipe, one cord-clamp, one 90°-elbow pipe, sealing tape and parker screws	21616 429.00	21620 484.00	21625 564.00
	air outlet pipeline for sandwich roof*, incl. EPDM-roof penetration consisting of roof penetration, ventilation hood, 3m folded spiral-seam pipe, one cord-clamp, one 90°-elbow pipe, sealing tape and parker screws	21716 389.00	21720 479.00	21725 564.00

Pipelines and Accessories

	Description	Ø 125	Ø 160	Ø 200	Ø 250	Ø 315
	Folded spiral-seam pipe, complete galvanized, with one cord-clamp for 3m, pipe connector, sealing tape, parker screws, 3m or 5m lengths €/m.	18912 15.10	18916 18.40	18920 23.50	18925 29.00	18931 35.00
	Elbow pipe, 90° galvanized, R=D	17112 15.90	17116 21.50	17120 34.00	17125 48.00	17131 61.00
	T-piece as reducing branch made of galvanized steel plate, (please tell d2 and d3)	17612 20.50	17616 33.00	17620 43.00	17625 54.00	17631 64.00
	Reduction made of galvanized steel plate, (d1, d2), biggest diameter:	17712 20.50	17716 23.00	17720 26.00	17725 28.00	17731 31.00
	Throttle made of galvanized steel plate.	17812 36.00	17816 41.00	17820 43.00	17825 49.00	17831 61.00
	Roof penetration*, 0°-30° galvanized, for flat roof with board or foil, including rain-collar.	18012 141.00	18016 155.00	18020 171.00	18025 187.00	18031 202.00
	Roof penetration* EPDM for sandwich roofs, needs to be piled with spezial sealant and screwing.	18262 115.00	18266 115.00	18270 166.00	18275 187.00	18281 213.00
	Ventilation hood stream optimized, made of galvanized steel plate.	18312 159.00	18316 174.00	18320 202.00	18325 238.00	18331 263.00
	Air outlet through wall made of galvanized steel plate, with protective grid	18412 66.00	18416 72.00	18420 77.00	18425 82.00	18431 92.00
	Pipe sound absorber with 50mm insulation package, L = 900mm	21512 154.00	21516 186.00	21520 232.00	21525 272.00	21531 326.00

*= Please quote the roof pitch when a roof penetration is needed.

options: - cover rosettes for break-throughs at walls or ceilings, other roof penetrations, kits for air outlets through walls

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