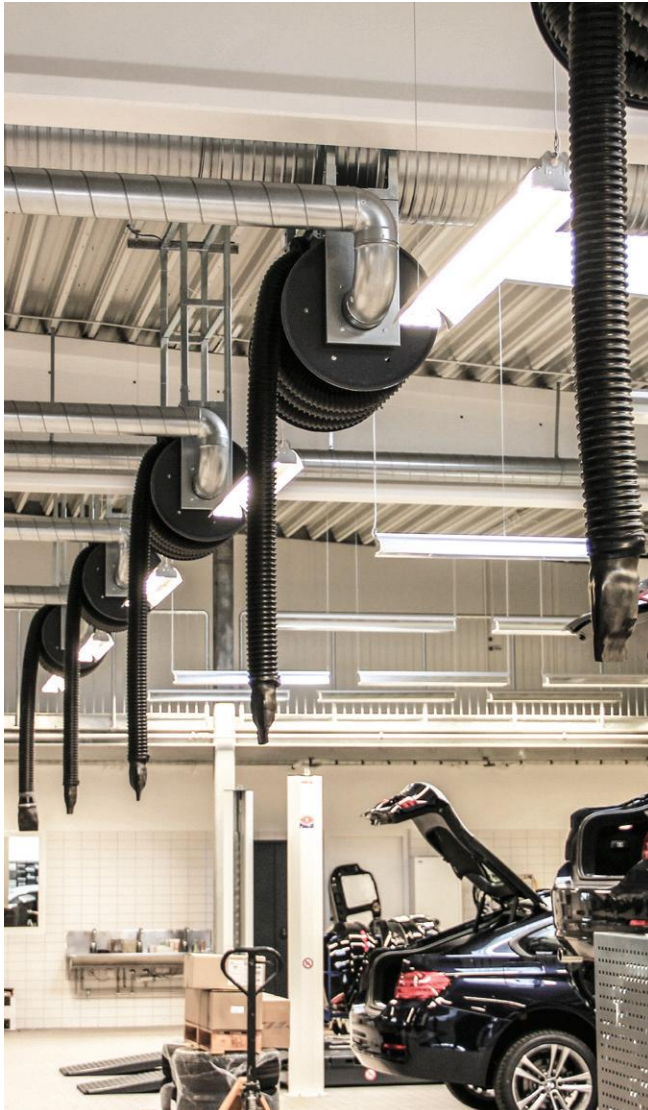


# HOSE REEL GTE/GTS



Over the years Geovent has built a considerable know-how in the field of repair shop health and safety. Shown in the photos are results of complete extraction installations in auto repair shops. Among other things Geovent has supplied hose reels for exhaust extraction, general ventilation and welding extraction. The result is a safer working environment for the mechanics and leaves the customers with an impression of a professional and well run repair shop.





The hose reels are used for exhaust extraction in garages or repair shops. The hose reel is always available and there are no hoses lying on the floor.

Geovent type GTS (spring) or GTE (electrical), is a series of hose reels based on a joint platform, which means great quality and quick delivery time, and furthermore, makes it easy to upgrade from spring to electrical – should the need occur.

The hose reels come as standard in widths of 1.000 mm (750 and 1.400mm upon request), and fits  $\varnothing 80$ ,  $\varnothing 100$ ,  $\varnothing 125$ ,  $\varnothing 150$  and  $\varnothing 200$  mm hose, in lengths up to 10m (15m upon request).

Hose reel GTE is supplied with a strong motor and wireless remote control for improved operating comfort.

The GTS, is supplied with a steel spring. The spring in the hose reel GTS works the same way as a blind (pull down, and wait for the lock to settle).

The hose reel is solidly built, with a construction of galvanized and powder coated parts, to ensure long time permanence. A spherical ball bearing assures trouble-free and easy operation.





## Hose reel GTE - electric and wireless remote



Electric hose reel with wireless remote control. ø160 mm nipple and 1x 230V. With hose but without nozzle.



Electric hose reel GTE-200 with wireless remote control. ø200 mm nipple. With hose, but without nozzle.



Electric hose reel GTE-250 with wireless remote control.

### Hose reel GTE - width 750 mm

Art. No.	Description
04-760	Hose reel GTE-750-05-080
04-761	Hose reel GTE-750-07-080
04-762	Hose reel GTE-750-10-080
04-763	Hose reel GTE-750-05-100
04-764	Hose reel GTE-750-07-100
04-764A	Hose reel GTE-750-10-100
04-765A	Hose reel GTE-750-05-125
04-765	Hose reel GTE-750-07-125
04-767	Hose reel GTE-750-05-150
04-766	Hose reel GTE-750-07-150

### Hose reel GTE - width 1000 mm

Art. No.	Description
04-714	Hose reel GTE-1000-05-080
04-715	Hose reel GTE-1000-07-080
04-716	Hose reel GTE-1000-10-080
04-717	Hose reel GTE-1000-05-100
04-718	Hose reel GTE-1000-07-100
04-719	Hose reel GTE-1000-10-100
04-720	Hose reel GTE-1000-05-125
04-721	Hose reel GTE-1000-07-125
04-722	Hose reel GTE-1000-10-125
04-723	Hose reel GTE-1000-05-150
04-724	Hose reel GTE-1000-07-150
04-725	Hose reel GTE-1000-10-150

### Hose reel GTE - width 1400 mm

Art. No.	Description
04-730	Hose reel GTE-1400-15-100
04-731	Hose reel GTE-1400-15-125
04-732	Hose reel GTE-1400-15-150
04-735	Hose reel GTE-1400-05-200
04-736	Hose reel GTE-1400-07-200
04-737	Hose reel GTE-1400-10-200
04-738	Hose reel GTE-1400-15-200

### Hose reel GTE - width 1700 mm

With electric winch and wireless remote control. Hose is to be purchased in the desired length and type. \* Q = about 2.500 m<sup>3</sup>/h. Width of reel: 1.700 mm. High temperature application.

Art. No.	Description
04-739	Hose reel GTE-1700-xx-250

\*Price excludes the hose, which is to be purchased separately according to the application.

## Hose reel GTS – spring operated and with clicklock



### Hose reel GTS – width 750 mm



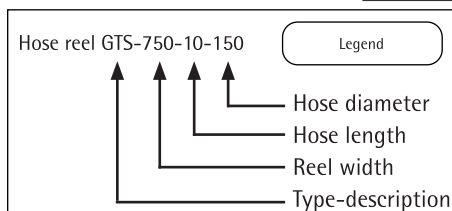
Spring operated hose reel with click-lock.  $\varnothing 160$  mm nipple connection, with hose, but without nozzle.

The GTS hose reel is mounted with a hanging hose piece so that the hose can be reached by the operator. Note that the GTS-750-10-100 will have a minimum of 2.5 metres of hose hanging down.

Art. No.	Description
04-750	Hose reel GTS-750-05-080
04-751	Hose reel GTS-750-07-080
04-752	Hose reel GTS-750-10-080
04-753	Hose reel GTS-750-05-100
04-754	Hose reel GTS-750-07-100
04-754A	Hose reel GTS-750-10-100
04-755	Hose reel GTS-750-05-125
04-755A	Hose reel GTS-750-07-125
04-756	Hose reel GTS-750-05-150
04-756A	Hose reel GTS-750-07-150

### Hose reel GTS – width 1000 mm

Art. No.	Description
04-700	Hose reel GTS-1000-05-080
04-701	Hose reel GTS-1000-07-080
04-702	Hose reel GTS-1000-10-080
04-703	Hose reel GTS-1000-05-100
04-704	Hose reel GTS-1000-07-100
04-705	Hose reel GTS-1000-10-100
04-706	Hose reel GTS-1000-05-125
04-707	Hose reel GTS-1000-07-125
04-708	Hose reel GTS-1000-10-125
04-709	Hose reel GTS-1000-05-150
04-710	Hose reel GTS-1000-07-150
04-711	Hose reel GTS-1000-10-150



By default all GTS hose reel have hose stop included.  
For other combinations please enquire.

## Accessories for hose reel type GTE and GTS



### Art. No. Description

04-293	Switch for automatic start/stop of fan or damper activation.
--------	--

## Remote control for hose reel



### Art. No. Description

04-680	Remote control for hose reel type GTE - 1 channel (for one reel)
--------	--



### Remote controls for old hose reels

04-630	Remote control 25-27 MHz. Before 2001
--------	---------------------------------------

04-621	Remote control 434 MHz. 2001-2005
--------	-----------------------------------

04-627	Remote control 433,42 MHz. 2005-2007
--------	--------------------------------------

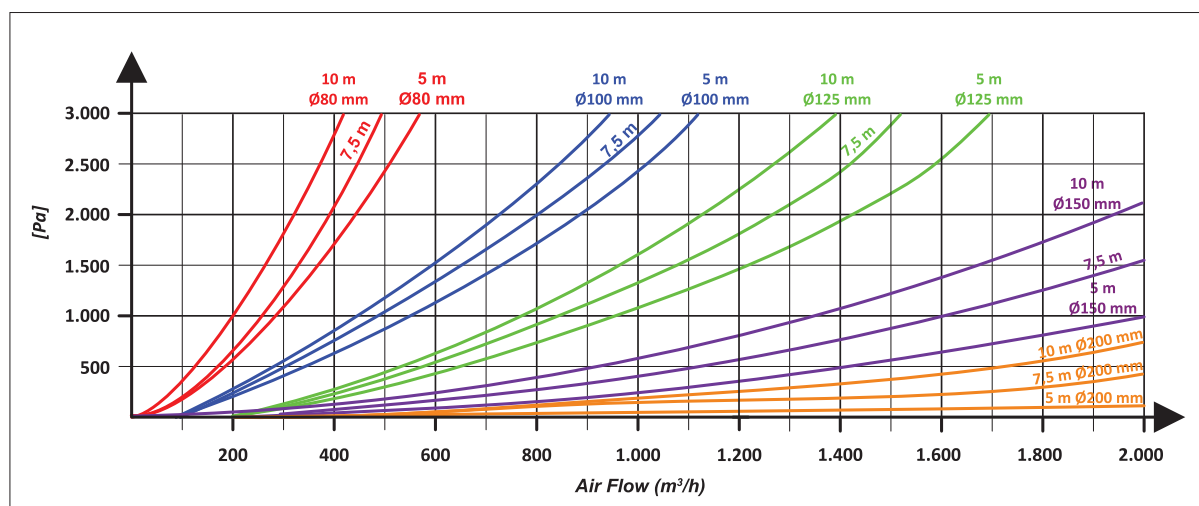
04-624	Remote control 2007
--------	---------------------

04-631	Remote control 433,92 MHz. 2008 -2016
--------	---------------------------------------

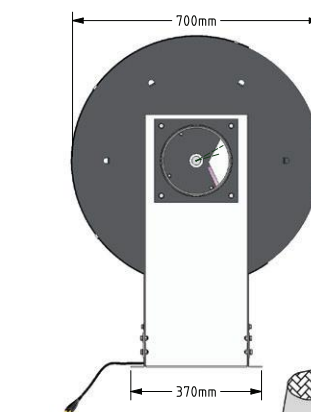
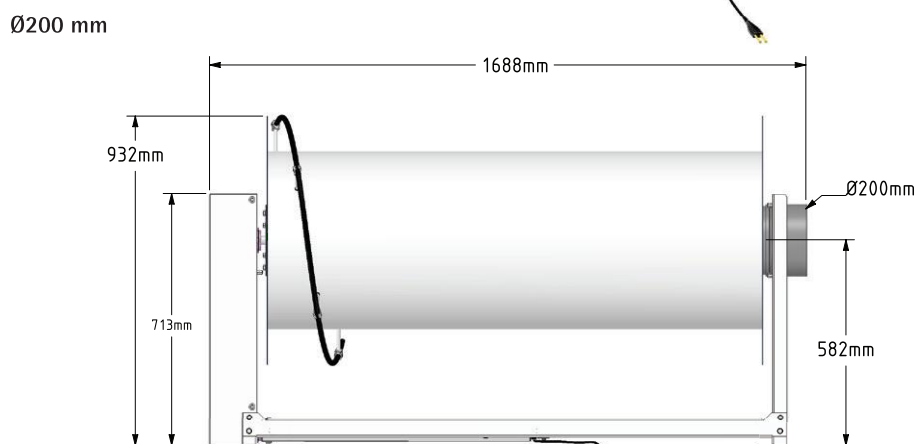
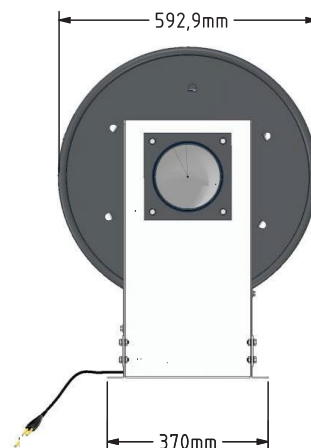
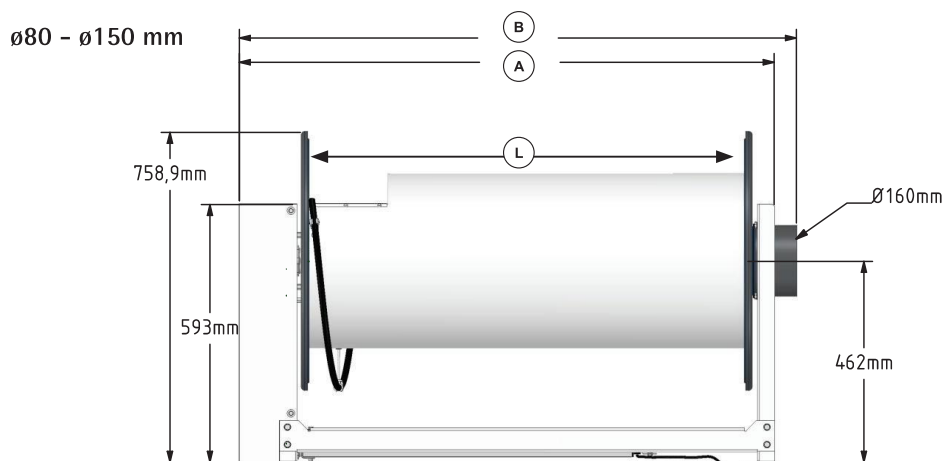
Fan MSQ for direct mounting on the side of the hose reel.  
See Fans section of this catalogue

Hose reel GTE is available with 2-button pendant station, specify the reel size you need, and add H after the art.no. Eg. 04-760H

## Pressure drop - Hose reel



## Dimensions - Hose reel



Hose reel  $\varnothing 80$ ,  $\varnothing 100$ ,  $\varnothing 125$ ,  $\varnothing 150$  mm,  $\varnothing 250$  mm:

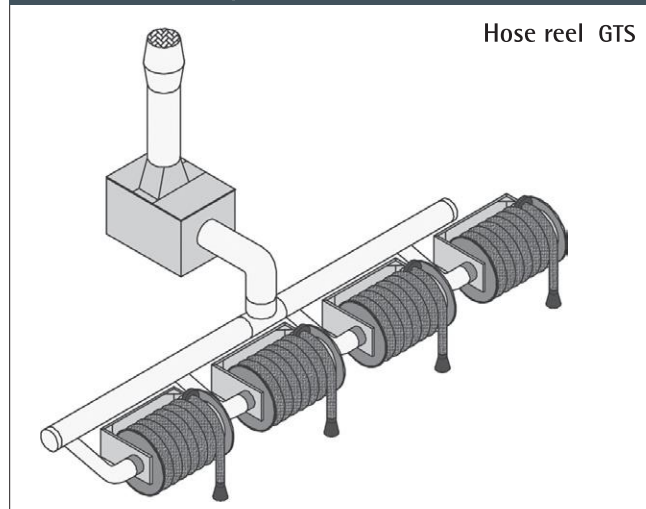
GTE/GTS	L	A	B
Hose reel 750 mm	750 mm	980 mm	1031 mm
Hose reel 1000 mm	1000 mm	1230 mm	1281 mm
Hose reel 1400 mm	1400 mm	1630 mm	1681 mm
Hose reel 1700 mm	1400 mm	1635 mm	1683 mm

Hose reel GTE

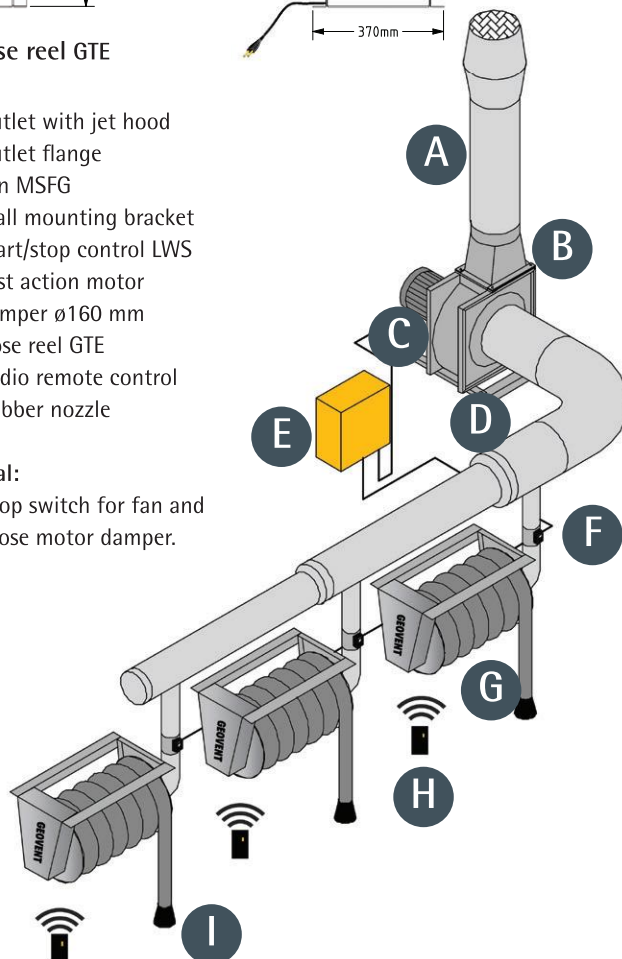
- A: Outlet with jet hood
- B: Outlet flange
- C: Fan MSFG
- D: Wall mounting bracket
- E: Start/stop control LWS
- F: Fast action motor damper  $\varnothing 160$  mm
- G: Hose reel GTE
- H: Radio remote control
- I: Rubber nozzle

Optional:  
Start/stop switch for fan and open/close motor damper.

## Installation examples - hose reels



The GTS hose reel is mounted with a hanging hose piece so that the hose can be reached by the operator.  
Note that the GTS-750-10-100 will have a minimum of 2.5 metres of hose hanging down.





# CHANNEL DUCT



The channel duct is a versatile system, suitable for numerous applications, from exhaust gas extraction to weld fumes, it is the ideal choice, when a flexible and efficient extraction system is required to cover a large working area.

The channel duct system can be combined with extraction arms, hose reels for even wider range, or it can be mounted on a wall or ground column, which can make it 360° pivotable.

Recommended max. air flow: Up to 2.000 m<sup>3</sup>/h per trolley.



Photo: Sergeant Tina G. Anker, Jyske Dragonregiment (INFOSEK/GSE).



For the operator, the channel duct system ensures flexibility within a large working area. The channel duct is suitable for medium and large garages/shops, where several working bays may share one or more trolleys.

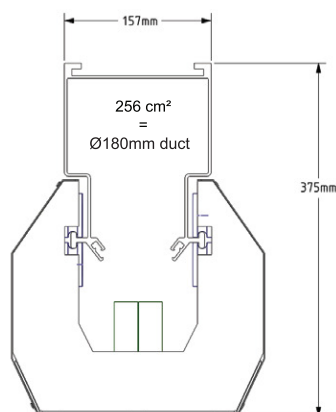
#### Easy operation:

The hose trolley is equipped with 6 smoothly rolling nylon wheels, ensuring easy movement of the trolley. The irritation of having heavy, rolled-out hoses on the floor is avoided – simply push the trolley to work area.

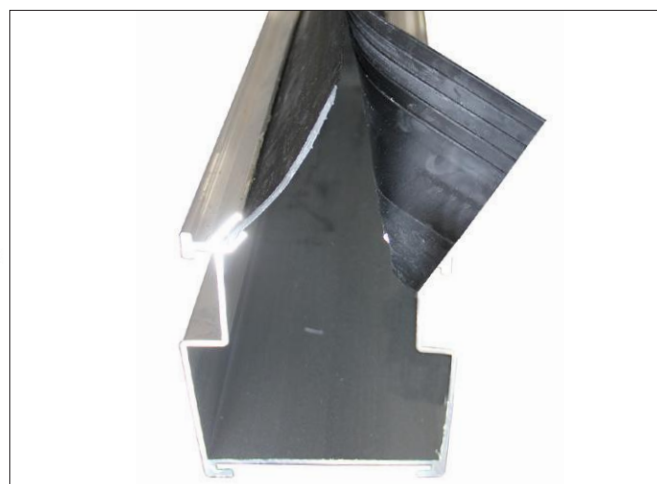
#### Mounting friendly

We have put great focus on making our channel duct system as mounting friendly as possible. It is possible to install the channel duct with a minimum use of time and therefore save on the installation expenses.

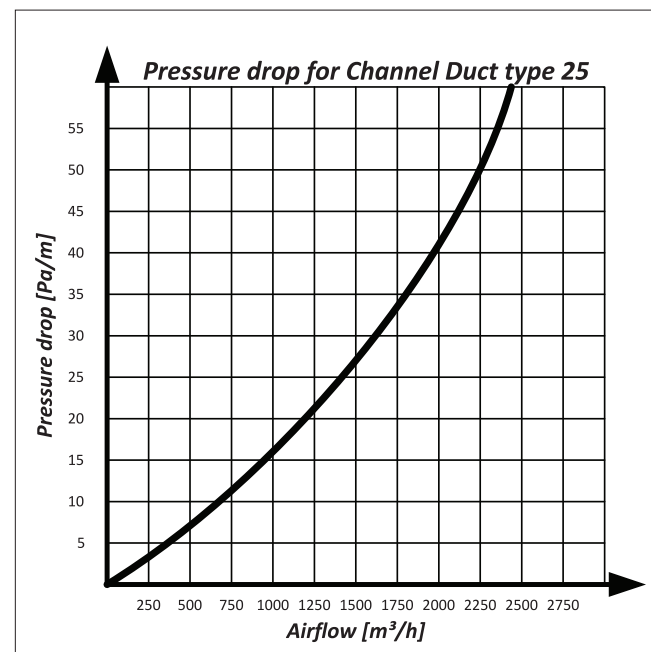
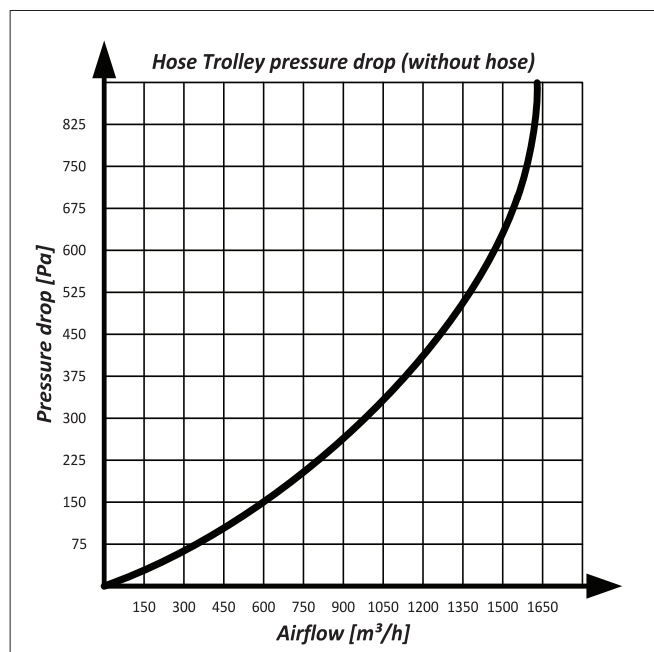
We naturally offer our guidance and know-how.



The Geovent channel duct is designed with a low friction rubber profile in TPE with ribs and low friction coating. The friction has been reduced with 33% compared with previous designs. The rubber withstands temperatures up to 135°C.



Low friction rubber profile



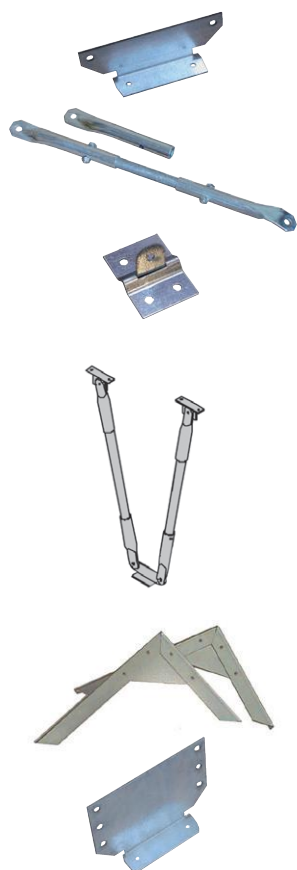


## Channel duct



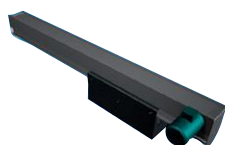
Art. No.	Description
07-400	Channel duct type 25 extruded aluminium with rubber lips. Lengths of 3 and 6 meter. Height: 291mm. Width: 156mm. Channel = $256 \text{ cm}^2 = \varnothing 180$ duct. 9 kg/m. Improved profile and lips
07-400A	Reinforcement for channel duct. Should be used when the pressure exceeds 1.600 Pa in the channel duct and should be placed for every 2 meters.
07-401	Channel connection for connecting 2 lengths of channel duct. Galvanized steel - 0,25 m
07-401A	Channel connection for connecting 2 lengths of channel duct. Galvanized steel - 1 m
07-402	Assembly kit, for assembly of the channel duct. (1 set per lenght of channel duct.)
07-477	End stop for trolley
07-478	Spring end stop for trolley
07-403	End cover for type 25 galvanized steel
07-406	End reduction nipple $\varnothing 250$ mm. From the end of the channel duct to round spiro duct
56-064	Reduction galvanized, MF $\varnothing 250$ /NP $\varnothing 160$
56-065	Reduction galvanized, MF $\varnothing 250$ /NP $\varnothing 200$
07-408	Top mounted outlet, NP $\varnothing 160$ mm. From the top of the channel duct to round spiro duct
07-409	Top mounted outlet, NP $\varnothing 200$ mm. From the top of the channel duct to round spiro duct
07-410	Top mounted outlet, NP $\varnothing 250$ mm. From the top of the channel duct to round spiro duct
07-420	Trolley type 30, powder coated steel. Complete with 8 smooth-running nylon wheels. $\varnothing 160$ mm NP connection. For air flows up to $1.200 \text{ m}^3/\text{h}$ .
07-430	Trolley 2000M. 8 wheels and $\varnothing 250$ mm NP (L: 1.000 mm, W: 200 mm, H: 289 mm). For air flows up to $2.000 \text{ m}^3/\text{h}$ .
07-461	Trolley for hose heel GTE/GTS. Hose reel not included.
56-042	Reduction MF160/NP80
56-043	Reduction MF160/NP100
56-044	Reduction MF160/NP125
56-045	Reduction MF160/NP150
04-460	Adapter for mounting WING/COMPACT arm on trolley 25 - $\varnothing 160$ mm

## Suspension of channel duct – bracket for every 2 - 4 meter channel duct



Art. No.	Description
07-656	Suspension bracket type 60 galvanized steel.
07-424	Spacer tube for suspension bracket 3/8" galv. per meter
07-422	Set with 2 coupler brackets for spacer pipes. 2 sets required for each point of fixation.
07-662	Ceiling bracket with tilt function
Suspension kit for channel duct - Content: Suspension bracket type 60 (07-656), spacer tube (07-424), coupler brackets (07-422) and ceiling bracket (07-662) 1 kit required for each point of fixation.	
07-620	1 meter suspension
07-621	2 meter suspension
07-622	3 meter suspension
07-150	Wall bracket for wall mounting. 413x308 (set of 2)
07-151	Wall bracket for wall mounting. 514x388 (set of 2)
07-152	Wall bracket for wall mounting. 608x539 (set of 2)
07-153	Wall bracket for wall mounting. 800x589 (set of 2)
07-655	Suspension bracket type 160 galvanized

## Automatics for channel duct



Art. No.	Description
07-490	Return system for channel duct. Trolley is returned to initial position with the help of small motor controlled by PLC, frequency inverter and sensor



Wireless start/stop automatics. Transmitter can be connected to start/stop switch on the hose reel or channel duct. Reciever connects to control board LWS for example.	
13-241	Wireless transmitter - end function - 9V
13-240	Wireless reciever - end function - 220V

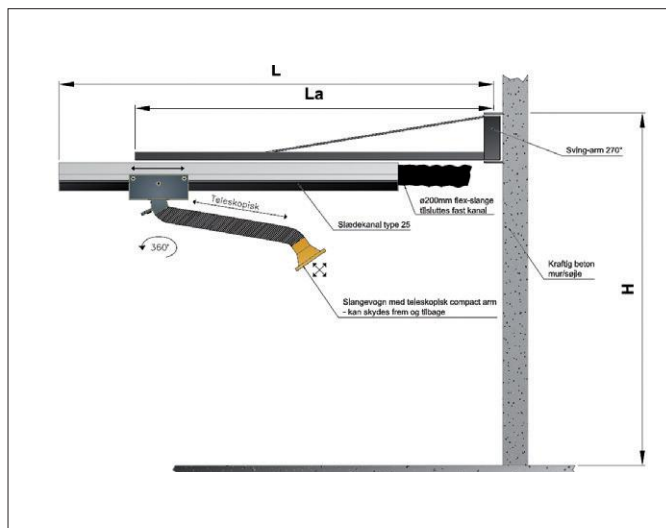


07-100	Wire switch LWS for start/stop of fan when balancer is extended. Max. 1x250V 5A. Factory mounted on balancer of choice.
--------	---

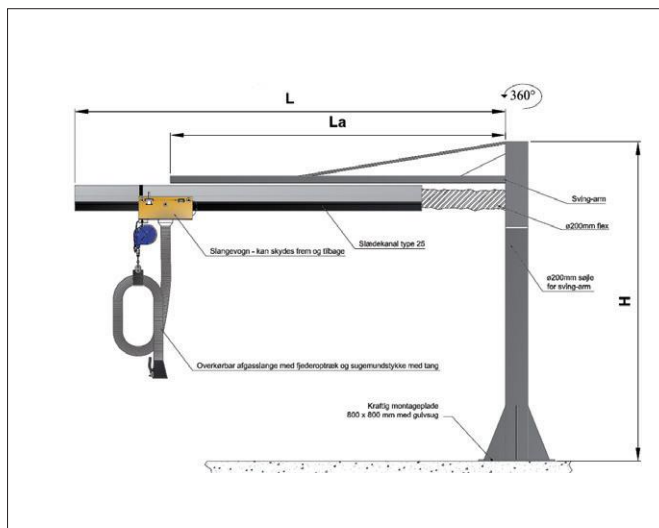


07-102	Cable festoon 2x0,75 mm <sup>2</sup> for wire switch. L: 6m
07-103	Cable festoon 2x0,75 mm <sup>2</sup> for wire switch. L: 12m
07-104	Cable festoon 2x0,75 mm <sup>2</sup> for wire switch. L: 18m
07-106	Cable festoon 2x0,75 mm <sup>2</sup> for wire switch. L: 24m

## Channel duct mounted on extension arm or floor column



Art. No.	Description
07-730	180° extension arm 6m for wall mounted channel duct. La = 5m Note: channel duct not included.



Art. No.	Description
07-750	360° extension arm 6m with floor column H=7,5 m for channel duct, La=5m, L=6m Custom fitting available upon request. Note: channel duct not included.

## Hose suspension parts / Disconnection systems



### Art. No. Description

07-712A	Hose suspension Ø80 mm
07-712B	Hose suspension Ø100 mm
07-712C	Hose suspension Ø125 mm
07-712D	Hose suspension Ø150 mm
07-712E	Hose suspension Ø200 mm

07-716	Multi hose suspension Ø76-152 mm
07-716A	Multi hose suspension Ø203 mm

06-600	Safety coupling Ø100 mm - separates the hose in two if pulling too hard
06-601	Safety coupling Ø125 mm - separates the hose in two if pulling too hard
06-602	Safety coupling Ø150 mm - separates the hose in two if pulling too hard

07-107	Automatic detachment system with compressed air for garland/channel duct, including mounting brackets and Ø10 mm push-in fittings. Including end stop for activating the release valve. When the trolley reaches the end, it will release the pressure in the inflatable-nozzle.
07-120	As above, but with switch for the inflatable nozzle - with hand pump
07-770	Complete electromagnetic detachment system with control, car nozzle, electro-magnet and high temperature hose

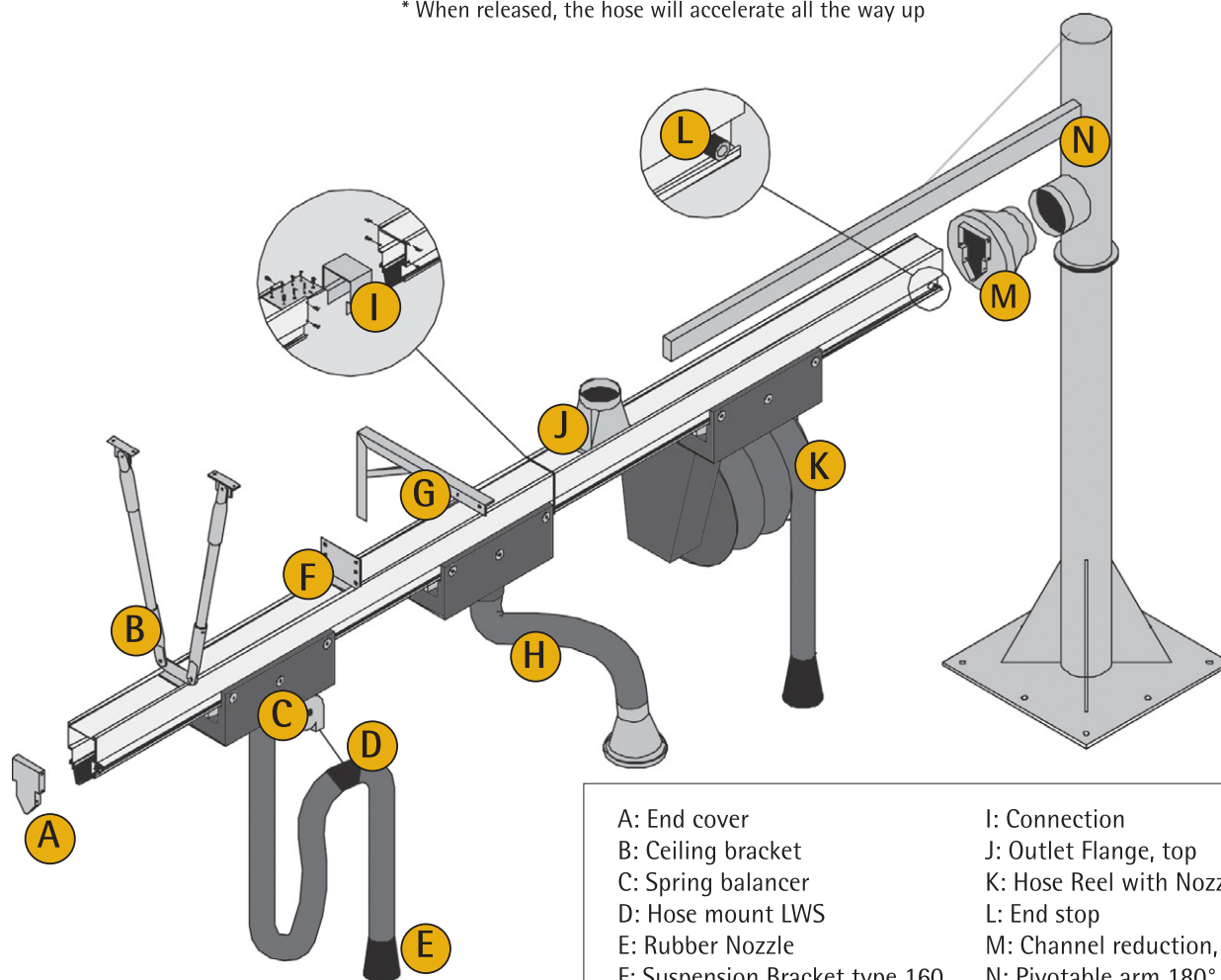


## Spring balancer



Art. No.	Description	Lock	[m]	[kg]
Aluminium spring balancer with steel wire. Progressive* pulling force. Weight: 2 - 4 kg				
07-220	Balancer	No	2,5	2,0 - 4,0
07-221	Balancer	No	2,5	4,0 - 6,0
07-221A	Balancer	Yes/No	4,5	4,0 - 6,0
07-223	Balancer	No	2,5	6,0 - 8,0
07-223A	Balancer	Yes/No	4,5	6,0 - 8,0
07-224	Balancer	No	2,5	8,0 - 10,0
07-224A	Balancer	Yes/No	4,5	8,0 - 10,0
07-225	Balancer	No	2,5	10,0-14,0
07-225A	Balancer	Yes	2,5	2,0 - 4,0
07-225B	Balancer	Yes/No	4,5	10,0 - 14,0
07-226	Balancer	Yes	2,5	4,0 - 6,0
07-227	Balancer	Yes	2,5	6,0 - 8,0
07-227A	Balancer	Yes	4,5	6,0 - 8,0
07-228	Balancer	Yes	2,5	8,0 - 10,0
07-228A	Balancer	Yes	4,5	8,0 - 10,0
07-229	Balancer	Yes	2,5	10,0 - 14,0
07-230	Balancer	No	2	15,0 - 20,0
07-231	Balancer	No	2	20,0 - 30,0

\* When released, the hose will accelerate all the way up



- |                                  |                             |
|----------------------------------|-----------------------------|
| A: End cover                     | I: Connection               |
| B: Ceiling bracket               | J: Outlet Flange, top       |
| C: Spring balancer               | K: Hose Reel with Nozzle    |
| D: Hose mount LWS                | L: End stop                 |
| E: Rubber Nozzle                 | M: Channel reduction, end   |
| F: Suspension Bracket type 160   | N: Pivotal arm 180° or 360° |
| G: Wall mount                    |                             |
| H: Extraction Arm (WING/COMPACT) |                             |

## Exhaust nozzles



Art. No.	Description	Exhaust	Hose Conn.	Weight
SK - nozzle - Powder coated steel with flap and opening for CO-probe.				
06-008	SK-80	ø77	ø80	1,30 kg
06-009	SK-100	ø97	ø100	2,05 kg
06-029	SK-125	ø122	ø125	3,05 kg
06-028	SK-150	ø147	ø150	3,10 kg



HT - nozzle - Powder coated steel w. vice grip. For very hot exhaust.				
06-328	HT-100	ø80	ø100	1,6 kg
06-329	HT-125	ø105	ø125	1,9 kg
06-330	HT-150	ø135	ø150	2,15 kg
06-331	HT-200	ø180	ø200	2,7 kg



S - funnel shaped rubber nozzle.				
06-168	S-65/90	ø90	ø80	0,65 kg
06-168A	S-65/90, with tight damper	ø90	ø80	1,35 kg
06-167	S-80/130	ø130	ø80	0,80 kg
06-167A	S-80/130, with tight damper	ø130	ø80	1,50 kg
06-166	S-100/150	ø150	ø100	0,85 kg
06-166A	S-100/150, with tight damper	ø150	ø100	1,40 kg
06-169	S-125/150	ø150	ø125	0,90 kg
06-169A	S-125/150, with tight damper	ø150	ø125	1,45 kg
06-169B	S-150/190	ø190	ø150	1,20 kg



SA - funnel shaped rubber nozzle. With vice grip and net.

06-163	SA ø100/150	ø150	ø100	1,45 kg
06-163A	SA ø100/150, with tight damper	ø150	ø100	2,00 kg
06-164	SA ø125/190	ø190	ø125	2,10 kg
06-164A	SA ø125/190, with tight damper	ø190	ø125	3,35 kg
06-165	SA ø150/190	ø190	ø150	1,90 kg
06-165A	SA ø150/190, with tight damper	ø190	ø150	3,15 kg
06-160	SA ø100/150mm w. automatic damper	ø150	ø100	2,05 kg
06-161	SA ø125/190mm w. automatic damper	ø190	ø125	3,05 kg
06-162	SA ø150/190mm w. automatic damper	ø190	ø150	2,85 kg

Note: Standard automatic damper shuts off 90% of the airflow.



SE - Oval rubber nozzle with vice grip and a 60° bend.				
For cars				
06-170	SE-75/150	150/75	ø80	1,75 kg
06-171	SE-100/150	150/75	ø100	1,70 kg
06-172	SE-125/150	150/75	ø125	1,75 kg
For lorries				
06-173	SE-125/200	200/120	ø125	2,40 kg
06-174	SE-150/200	200/120	ø150	2,60 kg



SEI - oval rubber nozzle for car with exhaust pipe integrated in bumper.				
06-180	SEI-100/150 - For cars	165/88	ø100	2,30 kg
06-181	SEI-150/200 - For lorries	165/88	ø150	2,70 kg

## Exhaust nozzles



Art. No.	Description	Exhaust	Hose Conn.	Weight
06-182	SFI-100/200 with internal gripper	ø200	ø100	2,80 kg
06-184	SFI-150/200 with internal gripper	ø200	ø150	2,85 kg
PO - Oval rubber nozzle with 60° bend				
06-193	PO-80/130	125/65	ø80	0,85 kg
06-195	PO-80/130, with tight damper	125/65	ø80	1,55 kg
06-194	PO-100/130	125/65	ø100	0,65 kg
06-196	PO-100/130, with tight damper	125/65	ø100	1,20 kg
GeoFlexGrip - Oval rubber nozzle, which will close when not in use.				
06-140	GeoFlexGrip 140/25	ø75	ø100	0,55 kg
06-139	GeoFlexGrip 180/30	ø100	ø100	0,90 kg
06-142	GeoFlexGrip 240/15, damper recommended	ø125	ø150	1,30 kg
SB - Round rubber nozzle with bellows for hand pump or compressed air.				
06-350	SB 100/80	ø100	ø80	0,90 kg
06-354	SB 100/100	ø100	ø100	0,90 kg
06-355	SB 160/150	ø160	ø150	1,30 kg
06-360	SB 200/150	ø200	ø150	1,60 kg
06-360A	SB 250/150	ø250	ø150	2,00 kg
SBM - Oval rubber nozzle with bellows for hand pump or compressed air.				
06-364A	SBM 120/40 (mini cars)	120/40	ø80	0,85 kg
06-364B	SBM 120/40 (mini and smaller cars)	120/40	ø100	0,70 kg
06-368A	SBM 200/100 (smaller lorries with stroke bore less than 3,0 l)	200/100	ø125	1,35 kg
06-368B	SBM 200/100 (lorries)	200/100	ø150	1,60 kg
SBM - Oval rubber nozzle with bellows for hand pump or compressed air. With 45° bend.				
06-365A	SBM 150/80 (small and medium sized cars)	150/80	ø100	1,00 kg
06-365B	SBM 150/80 (medium and larger cars less than 3,0 L)	150/80	ø125	1,10 kg
SBI - internal nozzles for newer cars with unaccessible exhaust pipes, like Volvo V60, Mercedes C, Ford Mondeo, Audi A6 and Porsche Cayenne. Ask for details.				
Oval rubber nozzle with bellows for hand pump or compressed air.				
06-380	SBIM 131/36	131/36	ø100	0,90 kg
06-381	SBIV 126/50	126/50	ø100	0,90 kg
06-382	SBIA 166/48	169/48	ø100	1,20 kg
06-369	Hand pump for compressed air nozzle			
06-369A	Fast air vent valve for compressed air nozzle			
06-379	Slide valve for compressed air nozzle			
Smart Cool SC is an adapter with damper and with built-in cooling air control.				
12-040	SmartCool SC-100 w. damper + extra cooling air	ø100	ø100	0,90 kg
12-041	SmartCool SC-125 w. damper + extra cooling air	ø125	ø125	1,00 kg
12-042	SmartCool SC-150 w. damper + extra cooling air	ø150	ø150	1,35 kg
12-043	SmartCool SC-200 w. damper + extra cooling air	ø200	ø200	2,00 kg



## Exhaust nozzles



### Art. No. Description

06-363	Pressure regulator for nozzle SB with pressure gauge, ø10 mm push-in fittings and mounting bracket
--------	--

06-356	Compressed air supply set for hose reel L=max.10 m
06-357	Compressed air feeding set with garland for channel duct: L = max 6 m
06-358	L = max 12 m
06-359	L = max 18 m

06-356A	Compressed air feeding set for hose garland, L=max.18 m
---------	---

07-035	AU2 ø150 mm height adjustable holder. Well suited for test stands.
07-040	AU2 ø200 mm height adjustable holder. Well suited for test stands.

06-254	Mobile Exhaust Trolley UV (ø150)
--------	----------------------------------

06-255	Double exhaust trolley
--------	------------------------

06-250	FBE hose cart ø100 mm height adjustable and easy to place
06-251	FBE hose cart ø125 mm height adjustable and easy to place
06-252	FBE hose cart ø150 mm height adjustable and easy to place

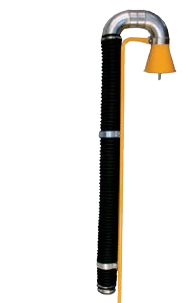
Y-coupling set for cars with dual exhaust pipe.

06-389	Y-piece 100/100/45° complete, 2 pcs. ø100 GeoFlex Exhaust 1,25m hoses
06-390	Y-piece 100/100/45° complete with click coupling VL, 2 pcs. ø100 GeoFlex Exhaust 1,25m hoses
06-390A	Y-piece 100/100/45° complete with click coupling VL, 2 pcs. ø100 GeoFlex Exhaust 1,25m High temperature hoses

Note: Nozzles not included.

06-200	Extended nozzle ø125/250 – H: 2m. Well suited for construction equipment with vertical exhaust pipe.
06-200A	Extended nozzle ø125/250 – H: 2m. Well suited for construction equipment with vertical exhaust pipe. With 300°C hose.
06-202	Extended nozzle ø150/250 – H: 2m. Well suited for agricultural machinery and trucks with exhaust pipe upwardly. With 300°C hose.

01-870	Smart Exhaust Arm, Telescopic arm with nozzle
--------	---



01-870

# CERA ARM



Used without attachment to the car

Geovent CERA arm provides a non-contact and efficient exhaust gas extraction.

The arm is mounted in a Channal Duct and can be moved across or along the workshop.

The arm can be rotated 360 degrees and adjusted in several joints so that it can be positioned precisely in relation to the exhaust pipe of the car.

When mounting the channel duct take into consideration that the arm must be able to reach the exhaust pipe of small cars.



## Art. No. Description

07-470	CERA Exhaust arm ø160 mm hose. Nozzle 200x160 mm. Ex. Trolley type 30.
--------	--

## Hood for hose reel and more



Art. No.	Description	Weight
10-244	Ø160 mm hood with magnet	1,7 kg
10-246	Ø200 mm hood with magnet	1,9 kg
10-245	Ø160 mm hood with magnet incl. adaptor ø150 mm	1,9 kg
06-014	Welding hood ø80 mm with magnet	1,0 kg
06-020	Welding hood ø100 mm with magnet	1,1 kg
06-025	Welding hood ø125 mm with magnet	1,3 kg
06-051	MINI-hood ø80 mm with magnet	0,65 kg
06-053	MINI-hood ø100 mm with magnet	0,65 kg
12-005	Tight damper ø80 mm	0,15 kg
12-006	Tight damper ø100 mm	0,19 kg
12-012	Tight damper ø125 mm	0,25 kg
12-008	Tight damper ø160 mm	0,39 kg
12-009	Tight damper ø200 mm	0,55 kg
10-265	Flange f/hood - ø125 mm hose	
10-266	Flange f/hood - ø160 mm hose	
10-267	Flange f/hood - ø200 mm hose	

Custom hoods available on request. Please enquire.

Vacuum cup instead of magnet available. Please enquire.

# SYSTEMS FOR FIRE STATIONS



MRSP installed in a fire station

We offer a series of modern and effective extraction systems for emergency vehicles. The latest development is the systems MRS, MRSP and PRS which you will find below.

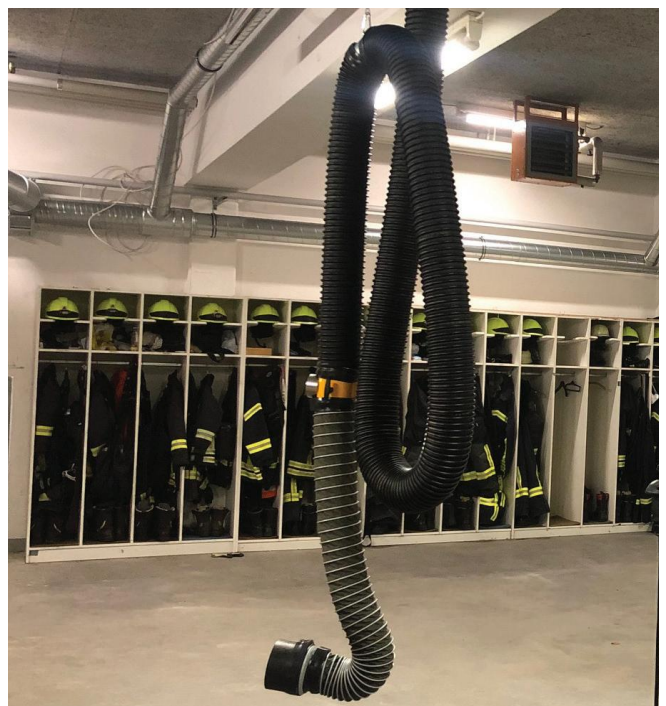
The systems are designed to live up to the latest demands from fire stations internationally.

Various components are developed which gives a modern design and makes the systems effective, efficient and user-friendly. An example is the aluminum rail which combines strength and stability.

Low weight and a split into 2-meter-long pieces makes the installation simple and easy.

The systems are delivered for vehicles with exhaust pipes placed both high and low, and an automatic decoupling system – electromagnetic or pneumatic.

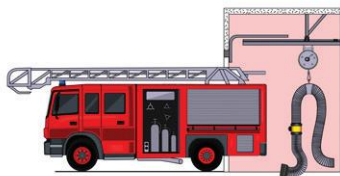
Low weight and a split up.



MRS installed in a fire station



## MRS Rail System



Geovent MRS for extraction of exhaust gases for emergency vehicles.  
The rail system is delivered with an magnetic decoupling device, so that the nozzle is automatically decoupled, when the vehicle leaves the building.  
Connection to the pipe system is placed in the middle of the rail system.

Art. No.	Description
07-702	MRS Rail System ø125 mm, 6 meter
07-702A	MRS Rail System ø125 mm, 10 meter
07-702B	MRS Rail System ø150 mm, 6 meter
07-702C	MRS Rail System ø150 mm, 10 meter

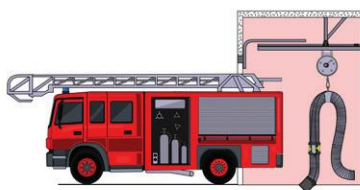
## MRSP Rail System



Geovent MRSP for extraction of exhaust gases for emergency vehicle. Premium solution with horizontal compressible hose etc. with less need of space.  
The rail system is delivered with an electro magnetic decoupling from the vehicle, so that the nozzle is automatically decoupled, when the vehicle leaves the building.  
Connection to the pipe system is placed in the end of the rail system.

Art. No.	Description
07-703	MRSP Rail System ø125 mm, 6 meter. Low mounted exhaust
07-703A	MRSP Rail System ø125 mm, 10 meter. Low mounted exhaust
07-703B	MRSP Rail System ø150 mm, 6 meter. Low mounted exhaust
07-703C	MRSP Rail System ø150 mm, 10 meter. Low mounted exhaust
07-704	MRSP Rail System ø125 mm, 6 meter. Highly mounted exhaust
07-704A	MRSP Rail System ø125 mm, 10 meter. Highly mounted exhaust
07-704B	MRSP Rail System ø150 mm, 6 meter. Highly mounted exhaust
07-704C	MRSP Rail System ø150 mm, 10 meter. Highly mounted exhaust

## PRS Rail System



Geovent PRS for extraction of exhaust gases for emergency vehicles.  
The rail system is delivered with an pneumatic decoupling from the vehicle, so that the nozzle is automatically decoupled, when the vehicle leaves the building.  
Connection to the pipe system is placed in the middle of the rail system.

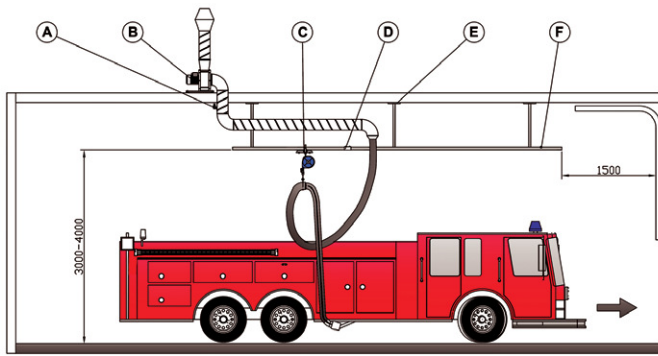
Art. No.	Description
07-000	PRS Rail System ø100 mm, 6 meter
07-000A	PRS Rail System ø100 mm, 10 meter
07-700B	PRS Rail System ø125 mm, 6 meter
07-700C	PRS Rail System ø125 mm, 10 meter
07-700D	PRS Rail System ø150 mm, 6 meter
07-700E	PRS Rail System ø150 mm, 10 meter

## Automatics for emergency vehicles



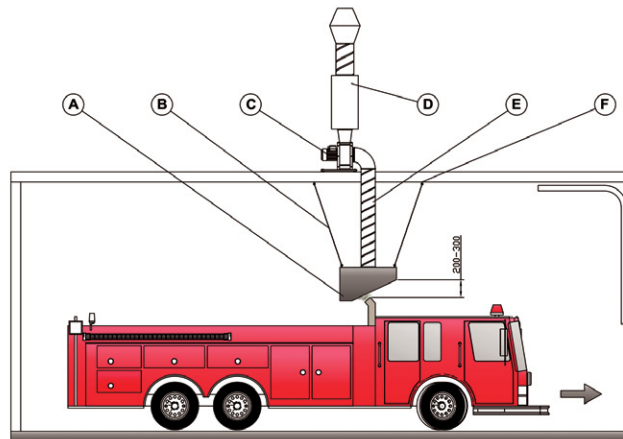
Art. No.	Description
19-111	Control panel for remote controlled transmitter. Automatically starts the fan, when the car is started. Range 50-100 m, subsequently the fan is turned off.
19-110	Wireless transmitter for start/stop of the fan. To be connected to 24V battery on the vehicle.
19-115	Overpressure sensor for automatisk start/stop of motor damper and/or fan. The sensor measures when there is an overpressure in the hose, and turns the fan/ motor damper on.

## Examples of equipment for emergency vehicles



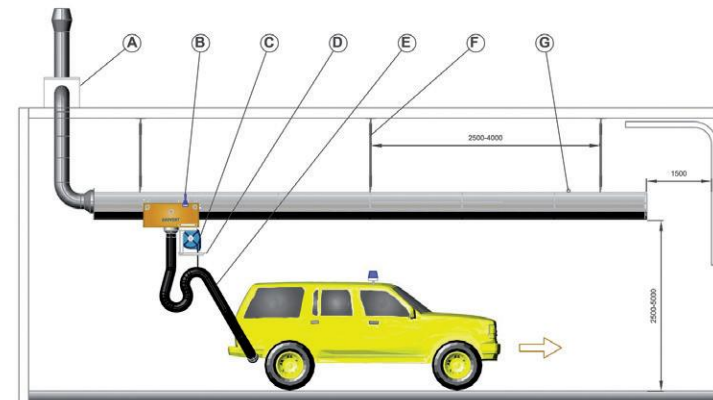
### GARLAND RAIL SYSTEM / C-PROFILE SYSTEM

- A: Spiro duct  $\varnothing 200$  mm, reduction valve for compressed air.
- B: Fan MSFG-200-3, 1.1 kW – capable of supplying up to 2.100 m<sup>3</sup>/h air.
- C: Spring balancer holder with wheels, capable of sliding horizontally in the rail system.
- D: Connecting piece for rail system. The system consists of 6 meter pieces to be assembled to the required length.
- E: Suspension bracket for the mounting of the rail system in the ceiling.
- F: Release device, transmitting a signal to reduce the pressure in the nozzle, and then the nozzle is detached from the exhaust pipe.



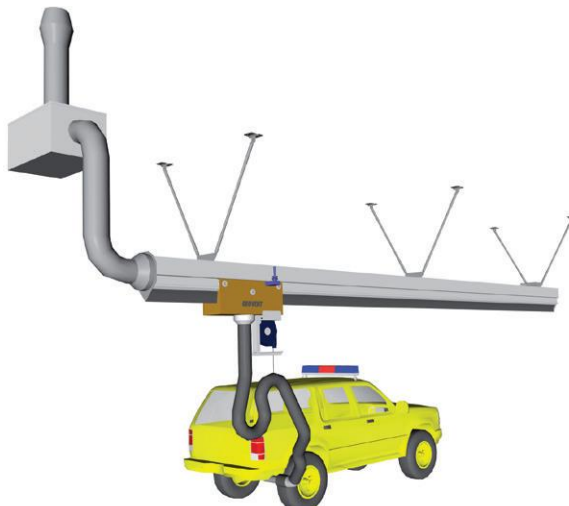
### EXTRACTION HOOD

- A: Extraction hood 1000 x 1000 x 800 mm with vertical outlet and suspension bracket.
- B: Steel wire with turnbuckles.
- C: Fan MSFG-200-3 – for the extraction from one vehicle.
- D: Silencer  $\varnothing 250$  mm.
- E: Spiro duct  $\varnothing 200$  mm.
- F: Ceiling bracket



### CHANNEL DUCT W. PNEUMATIC DETACHMENT

- A: Box fan – MSFG-200-3 1.1 kW
- B: Activation switch, sending a signal to the control panel to start or stop the fan.
- C: Spring balancer, securing easy operation of the equipment and that the hose is not in the way.
- D: GeoFlex exhaust pipe with a temperature resistance of up to 150°C. The lower part of the hose is a safety pull-out coupling, securing that the nozzle is released in case of defects.
- E: Wire switch LWS for the start/stop of the fan.
- F: The suspension brackets must be fixed at intervals of 2.500 to 4.000 mm in order to secure the stable installation.
- G: Bracket, which at the end station sends a signal to reduce the compressed air in the nozzle so that immediately hereafter it is released automatically from the vehicle.



### PNEUMATIC RELEASE SYSTEM

Pneumatic release system with automatic start/stop of the fan and compressed air nozzle, which is automatically released, when the trolley reaches the end of the channel duct. The system is available with standard brackets, adjustable to any ceiling. The compressed air nozzle fits perfectly on the exhaust pipe and is completely tight. The nozzle can be used in combination with a motor driven trolley for automatic return of the trolley.

## Extraction Hoods for train



Extraction Hood for train



At DSB (The Danish National rail company) they had a challenge with exhaust gas from their diesel locomotives. The hoods, they were using were not working properly, which resulted in exhaust gas polluting the air in the garage.

A cooperation between the consulting engineer, the installation company, DSB and Geovent, resulted in a specially designed extraction hood.

When the train drives into the maintenance garage, the hoods are automatically lowered to a position right above the exhaust pipe of the train and all gas is extracted effectively. When the staff is done servicing the train, the hoods are automatically raised and the train can leave the garage.

The hood is made of galvanized steel with an electrical control panel and it has a telescopic hoist. The hoist is controlled manually by means of a switch or automatically with CTS.

If an automatic control is chosen, the hood is lowered to a level right above the exhaust pipe of the train and the exhaust is effectively extracted from the garage.

Motor: 3x400V 50 Hz

Is delivered without a control panel. This is to be ordered separately.

Recommended air flow: Approx. 3.000 m<sup>3</sup>/h

## Extraction hoods for train



Motor: 3x400V 50Hz. Standard supplied with out control panel, but can be supplied upon request.  
Recommended airflow: App. 3.000m<sup>3</sup>/h

Art. No.	Description
02-200	Hood for train exhaust 2000 x 700 mm, connection 1xø400 mm

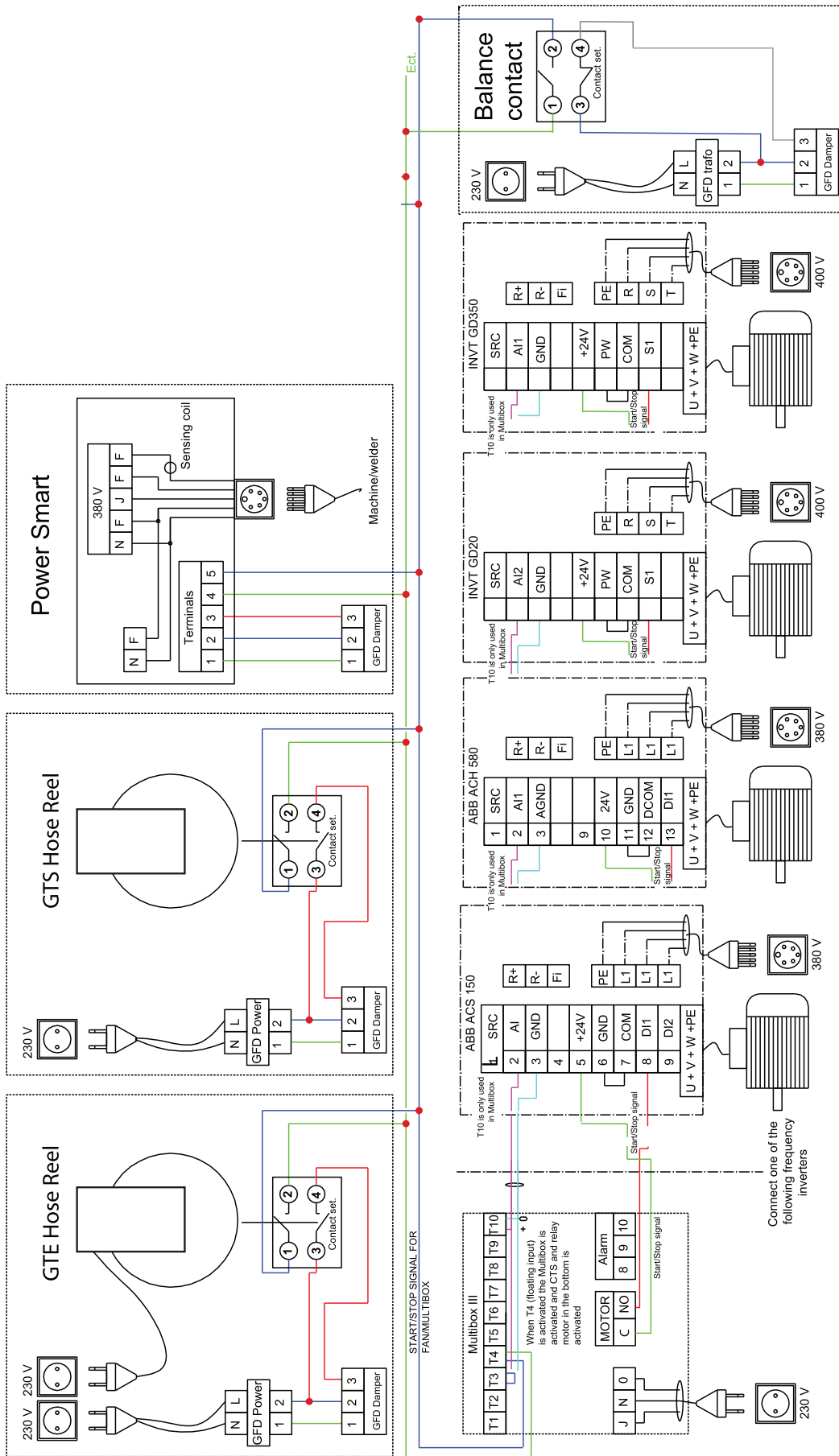
## Extraction hoods with extension arm and and motor hoist



Extraction hoods is available in standard design as well as a number of special solutions. Eg. Extraction hoods with extension arm and and motor hoist.  
Contact us when you have special needs.

Available on request





#### Adjusting frequency inverter:

See manual – important parameters, must be adjusted:

Motordata: Typically parameter group 99

Ramp up/down: Typically parameter group 22

Frequency Max/Min: Typically parameter group 20 and 11

#### OBS – IMPORTANT

Jumper on the bottom (S1) must be switched from "I" to "U" This will change output from current to voltage.

Remember to bridge GND and COM.

#### Adjusting Multibox III::

Quickguide – also see manual

P0: Version selector – select 530 (most common)

P1: Adjustment set point [Pa]

P2: Min. Alarm limits [s] at too low pressure

P3: Max. Alarm limit [s] at too high pressure

P10: Shows current pressure.