

STR

- Straight Rail System

TECHNICAL DATA

Unit specification

STR is used for vehicles utilizing drive through apparatus bays and for bays where 2-4 vehicles are standing behind each other.

Material:
Aluminium profile.

Installation:
On ceiling or wall.

Maintenance:
Normal wear, no maintenance required.
See owner's manual.

Properties

- Auto-disconnect at the exit door.
- Speed absorbing shock system.
- Front and rear door release.
- The system allows for up to four vehicles to stand in line.
- Automatic start-stop of fan by pressure sensor.
- Adjustable mounting supports.
- Unique pneumatic exhaust pipe connector, "Grabber®"; for different sizes of exhaust pipe.
- safety disconnect coupling; fail safe system easy reconnectable.

Prod.no	Aluminium track length, m / ft	Low friction rubber seal	Coiled airline m / ft	Wire m / ft	Closed end stop	Rail splice	Duct connection
STR-9	8.8 / 28.8	18 m / 57.2 ft	10 / 32	10 / 32	1 pc	1 pc	1 pc
STR-12	11.6 / 38.0	24 m / 76.8 ft	16 / 51	16 / 51	1 pc	1 pc	1 pc
STR-15	14.6 / 47.8	30 m / 96.0 ft	16 / 51	16 / 51	1 pc	2 pcs	1 pc
STR-18	17.4 / 57.0	36 m / 115.2 ft	25 / 80	25 / 80	1 pc	2 pcs	2 pcs
STR-21	20.4 / 66.8	42 m / 134.4 ft	25 / 80	25 / 80	1 pc	3 pcs	2 pcs
STR-24	23.2 / 76.0	48 m / 153.6 ft	25 / 80	25 / 80	1 pc	3 pcs	3 pcs
STR-27	26.2 / 85.8	54 m / 172.8 ft	31 / 99	31 / 99	1 pc	4 pcs	3 pcs
STR-30	29.0 / 95.0	60 m / 192.0 ft	31 / 99	31 / 99	1 pc	4 pcs	3 pcs



RR-5,8
Aluminium profile



RRS
Rail splice



RRRS-X
Low friction rubber seal



RRBC
Closed end stop

RRIBC
Round rail industrial end stop.



RRDC-200
Duct connection



STR-MZ
Coiled airline storage magazine.



CA-, W-,
Coiled airline and wire.



RRCE-160
Duct connection end stop

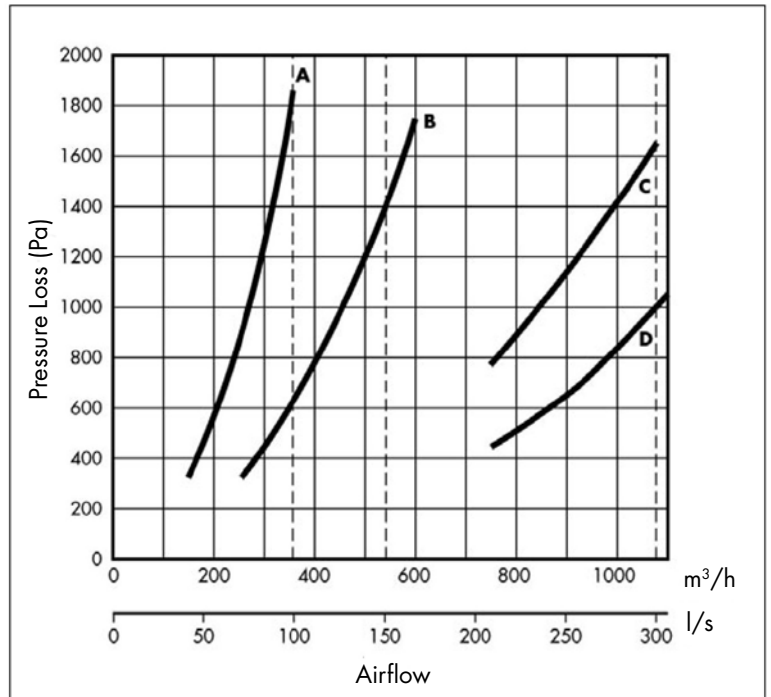
PRESSURE LOSS

This diagram shows the pressure loss in crab and hose at different airflows and hose diameters.

- A. Ø 75 mm / 3 inch
- B. Ø 100 mm / 4 inch
- C. Ø 125 mm / 5 inch
- D. Ø 150 mm / 6 inch

Recommended airflows:

Chief and officer vehicle	360 m ³ /h (210 cfm)
Fire truck up to 10 l engine	720 m ³ /h (420 cfm)
Fire truck up to 16 l engine	1070 m ³ /h (630 cfm)
Fire truck up to 24 l engine	1800 m ³ /h (1060 cfm)



CRABS

The crab is designed to travel in the STP profile and open the sealing lips at only the point where the exhaust crab is located at the time.

Automatic disconnect for Grabber® nozzles

Crab designed to work with a sealed type exhaust nozzle, which is disconnected automatically by a pneumatic uncoupling valve mounted on the crab assembly. Recommended for HPA-hose package and GVSA-Grabber® Vertical Stacker.



Prod.no	Hose connection
ICCA-100	Ø 100 mm/4"
ICCA-125	Ø 125 mm/5"
ICCA-150	Ø 150 mm/6"

HOSE PACKAGE

The hose package consists of the following:
exhaust hose with suspension halter, safety disconnect coupling and Grabber® nozzle.

Prod.no	Hose length	Hose connection	Grabber®
HPA-100-6-100	6 m / 19.7 ft	100 mm / 4"	100 mm / 4.0 "
HPA-100-6-120	6 m / 19.7 ft	100 mm / 4"	120 mm / 4.8"
HPA-100-6-160	6 m / 19.7 ft	100 mm / 4"	160 mm / 6.3"
HPA-125-6-160	6 m / 19.7 ft	125 mm / 5"	160 mm / 6.3"
HPA-100-10-120	10 m / 32.8 ft	100 mm / 4"	120 mm / 4.8"
HPA-100-10-160	10 m / 32.8 ft	100 mm / 4"	160 mm / 6.3"
HPA-160-10-160	10 m / 32.8 ft	160 mm / 6.3"	160 mm / 6.3"



SUSPENSIONS

Vertical Mounting Kit - MKV

The suspension plate is adjustable for angled ceilings to adjust the pitch to vertical. Comes in sets to mount one support length. Maximum angle: 30°.

Horizontal Mounting Kit - MKH

The horizontal slide plate will allow adjustment away from or closer to the wall. Comes in sets for mounting one support suspension. Maximum angle: 30°.

Side Brace Kit

The side brace kit comes in three lengths: 500 mm/19.7", 750 mm/29.5" and 1800 mm/70.9". Each kit includes two braces and a clamp.

Suspension Bracket Kit

This is designed to mate with the mounting kits. It will slide the full length of the rail to line up with ceiling or wall beams.

Side Brace - SBK

The side brace comes in three length: 500 mm/19.7", 750 mm/29.5" and 1800 mm/70.9".

Side Brace Clamp Kit

This includes two aluminium brackets for one or two side braces.

SBT-SL

This is an aluminium profile, extremely strong but light-weight for easy mounting. The profile comes in 5.8 m/19 ft and is cut to fit your application. It is sold by the piece or in packs of 24 pcs for big jobs.



ACCESSORIES

Grabberstop

Tail pipe adaptor and comes in the diameters from 75 mm - 150 mm / 3" - 6".

PC-500

Pressure sensor for automatic exhaust fan start. A minimum of two sensors required per rail. To be used together with control unit, PCU-1000.

PCU-1000

Automatic control unit for exhaust fan control. The exhaust fan can be manually controlled or automatically controlled by pressure sensor, PC-500.



ASE-12 E

Fully automatic, motorized damper, Ø 160 mm / 6.3", with built-in energy saver. Opens/closes in 10 - 15 seconds. Adjustable delay 10 - 180 seconds.



Fans

See separate data sheets.

ECMSO

Manual motorstarter with overload. 1 - 16 A, 230 - 690 VAC.



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