

Pneumatic Track System – PTS

Exhaust extraction system for emergency stations that need complete interchangeability between vehicles

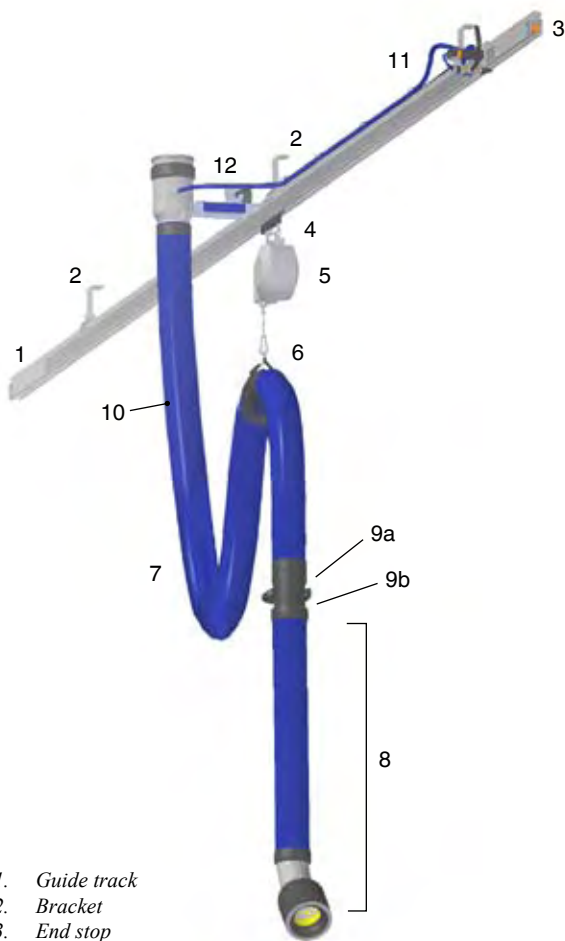


The Pneumatic Track system – PTS is suitable for stations where vehicles change from time to time. The system is based on a nozzle expanded by compressed air, attaching and sealing the nozzle tightly round the tail pipe. PTS is supplied with a choice of two different sized nozzles to fit the most common types of tail pipes. A quick coupler makes it easy to switch the nozzles.

PTS offers:

- Air vent for quick and safe departures
- Safety coupling in case of faulty operation
- Nozzles to suit all types of vehicles
- Grip for ergonomic handling
- Exhaust hose with integrated compressed air hose
- Pressure sensor has quick reaction and easy calibration cycle

- Capacity: 1 apparatus per system
- Exhaust pipes: low level tail pipes
- Normal exit speed up to 25 km/h - 15 mph
- For back-in (or drive-through)



1. Guide track
2. Bracket
3. End stop
4. Trolley
5. Balancer
6. Hose suspension/metal bend
7. Upper exhaust hose
8. Nozzle kit
9. Safety coupler (female 9a + male 9b)
10. Integrated pneumatic air hose
11. Disconnection valve
12. Pressure sensor (option)



Tail Pipe Stop

PTS-PNEUMATIC TRACK SYSTEM				
Complete with Track (1), Brackets (2), End stop (3), Trolley (4), Balancer (5), Hose suspension (6), Upper extraction hose (7), Safety coupler (female 9a), and Upper integrated pneumatic air hose (10)				
Track length, m/ft	Working range m	Upper hose length m/ft	Hose Ø, m/inch	Part no
INTERNATIONAL VERSION				
5,9 m / 19 ft. 4 in.	7,9 m	5 m / 16 ft. 5 in.	100 / 4	807564
9,4 m / 30 ft. 10 in.	11,4 m	7,5 m / 24 ft. 7 in.	100 / 4	807664
11,8 m / 38 ft. 9 in.	13,8 m	10 m / 32 ft. 10 in.	100 / 4	807764
NORTH AMERICAN VERSION				
19 ft. 4 in. / 5,9 m	25 ft, 11 in.	16 ft. 5 in. / 5 m	100 / 4	808564
30 ft. 10 in. / 9,4 m	37 ft, 5 in.	24 ft. 7 in. / 7,5 m	100 / 4	808664
38 ft. 9 in. / 11,8 m	45 ft, 3 in.	32 ft. 10 in. / 10 m	100 / 4	808764

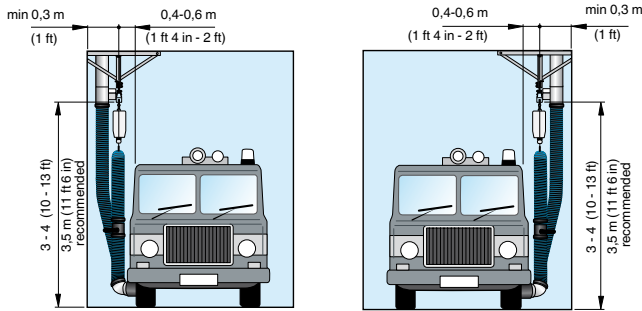
Nozzle kit for PTS (8)					
Complete with Nozzle, Lower extraction hose, Lower integrated pneumatic air hose and Safety coupler (male 9b).					
Nozzle Ø mm /inch	Exhaust pipe Ø mm/inch	Length incl. lower 4" hose m/ft	Grip length mm/inch	Part no International	Part no North America
160 / 6.3"	70-125 / 2.8-5.0	1.0 / 3.2	120 / 4.7"	867161	868161
125 / 5.0"	50-85 / 2.0- 3.3	1.0 / 3.2	100 / 4"	867061	868061

Accessories	Part no
Pressure sensor, auto start	807864
Radio transmitter, auto start / stop	801369
Radio receiver, auto start / stop	802669
Compressed air filter	375252
Tail Pipe Stop 50-90 / 2" - 3.6"	375139
Tail Pipe Stop 90-130 / 3.6" - 5.1"	375140

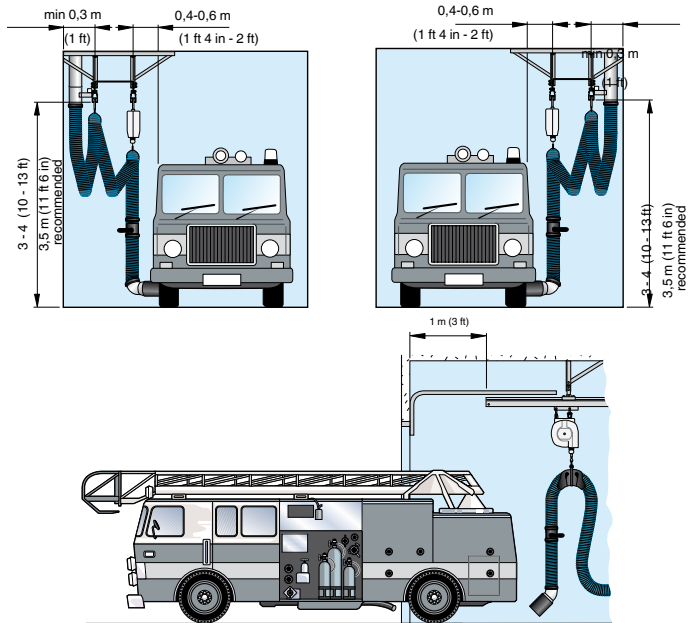
NB!
Compressed air filter must be used acc. to DIN ISO 8573-1, class 5/5/4
For selection of KOMSA fan and operational box, see separate brochure.

Installation

International versions 5.9 and 9.4 m
North American versions 19 ft. 4 in. and 30 ft. 10 in.



International version 11.8 m
North American version 38 ft. 9 in.



Technical specification

Track	International	North America
Material	Aluminum	
Length	5,9 m (5 x 1,18 m)	19 ft. 4 in. (5 x 4 ft.)
Length	9,4 m (8 x 1,18 m)	30 ft. 10 in. (8 x 4 ft.)
	11,8 m (10 x 1,18 m)	38 ft. 9 in. (10 x 4 ft.)

Trolley for track		
Material	Aluminum / Steel	

Balancer	International	North America
Lifting force	140 N	31,5 lbf
Length of use	1,5 m	5 ft.
Material in cord	Steel wire	Steel wire
Material in shell	Composite	
Weight	3 kg	6.6 lb

Hose suspension	International	North America
L=5,9m / 19ft 4in	Rubber Saddle	Elbow (galvanized steel)
L=9,4m / 10ft 10in	Rubber Saddle	Elbow (galvanized steel)
L=11,8m / 38ft 9in	Rubber Saddle x 2	Saddle + Elbow

Exhaust hose, upper	International	North America
Temp. Resistance	-40 to +150°C cont.	-40 to +400 °F cont.
Material	Rubber with steel helix	Polyester acrylic urethane blend
Length	5 m	16 ft. 5 in
	7,5 m	24 ft. 7in.
	10 m	32 ft.10in.
Dimension	Ø 100 mm	Ø 4 in.
Weight	0,74 kg/m	0.75 lbs/ft

Exhaust hose, lower	International	North America
Temp. Resistance	-40 to +150°C cont.	-40 to +400 °F cont.
Material	Rubber with nylon helix	Polyester acrylic urethane blend
Length	0,9 m	2.6 ft.
Dimension	Ø 100 mm	4 in.
Weight	0,74 kg/m	0.50 lb/ft

Nozzle	International	North America
Material hood	Rubber, internal Nomex reinforcement	
Material Elbow	Galvanized sheet metal	
Weight complete nozzle kit	3,9 kg (Ø 160 mm), 3,5 kg (Ø 125 mm)	8.6 lb (Ø 6.3 in.) 7.8 lb (Ø 5 in.)

Safety coupler	International	North America
Pneumatic valve. Rubber handle for easy operation of hose. Manual switch for nozzle. Temperature +200°C / +392°F		
Material	Polyamide	
Release force	Adjustable, preset at 50 kp 500N	Adjustable, preset at 112 lbf
Weight	1,0 kg	2.2 lb
Pneumatic air hose	International	North America
Material	PTFE/Teflon	
Temperature	+260°C / +500° F	

Disconnection valve	International	North America
Material	Steel / Aluminium	
Supply pressure	6 – 8 bar	
System pressure	1 bar	14.5 Psi

Pressure sensor	International	North America
Material	Cover of composite	
Recommended preset		
-large vehicle engines	60 Pa	0.24 in w.c. 0.0058 Psi
-smaller vehicle engines	40 Pa	0.16 in w.c. 0.0087 Psi

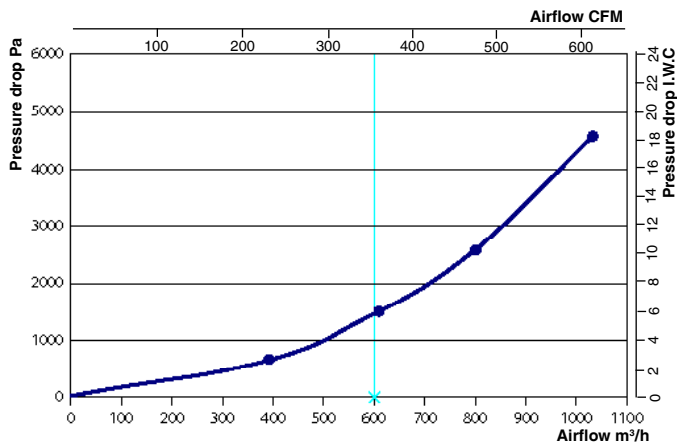
Total weight	International	North America
Complete extraction unit with		
- small nozzle	14,5 kg	32 lb
- big nozzle	14,9 kg	32.8 lb
Including: Trolley (4), Balancer (5), Hose suspension (6), Lower and upper exhaust hose (7), Nozzle kit (8), Safety coupler (9), Lower and upper integrated pneumatic air hose (10)		

Complete track	International	North America
6-9 m	2,2 kg/m	1.6 lb/ft
12 m	3,7 kg/m	2.8 lb/ft

System specifications	International	North America
Pressure	1 bar	14.5 psi
Temperature resistance:		
- Continuous	+150°C	+392°F
- Intermittent	+170°C	+500°F

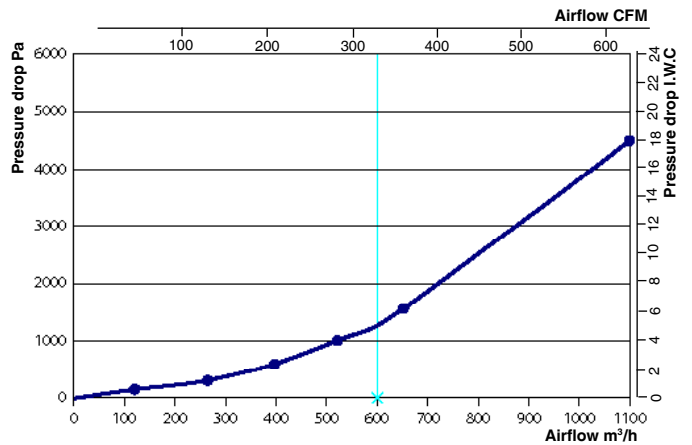
Environment information
 Recycling level: 100%

Pressure drop International versions

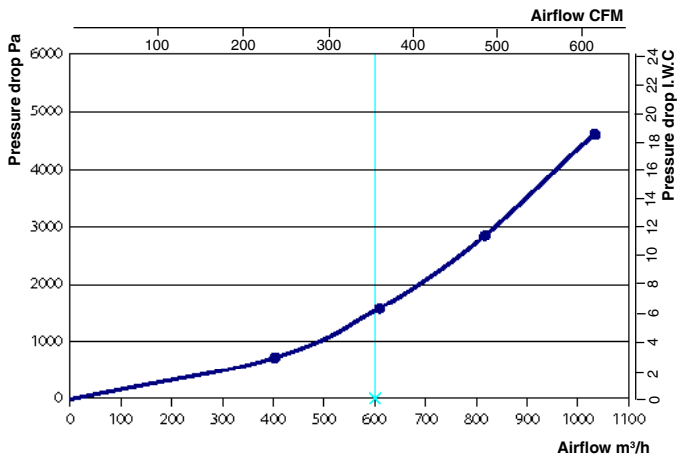


Track length 5.9 m

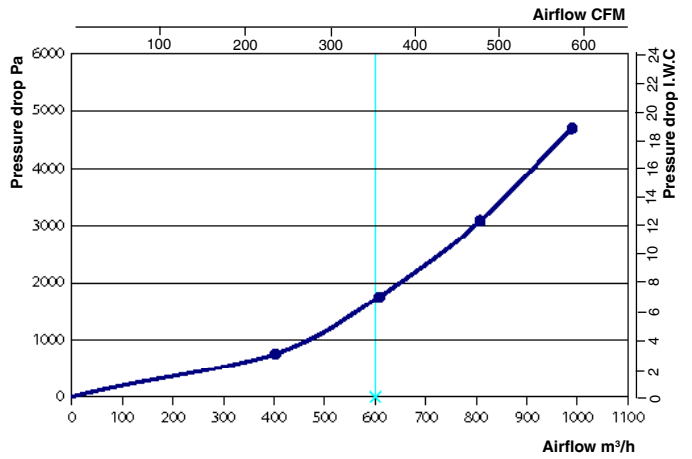
Pressure drop North American versions



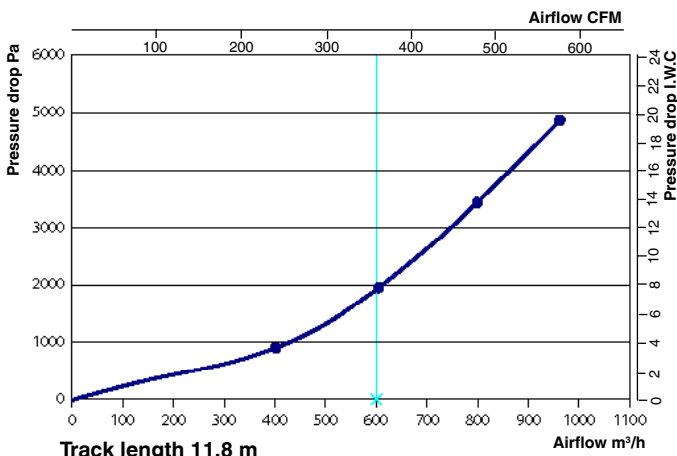
Track length 19 ft. 4 in.



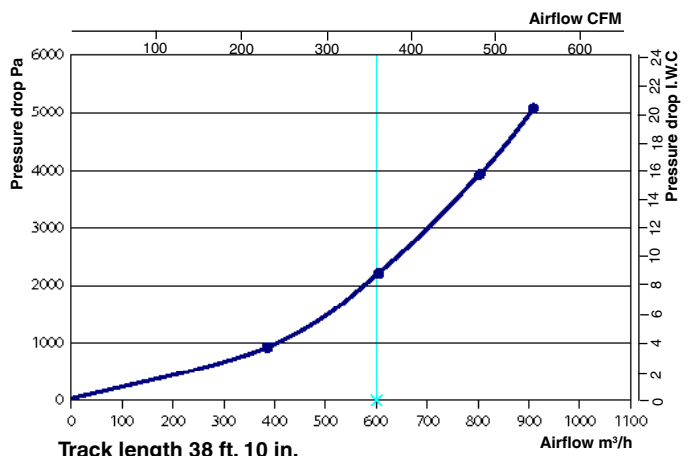
Track length 9.4 m



Track length 30 ft. 10 in.



Track length 11.8 m



Track length 38 ft. 10 in.

Airflow recommendations

Truck/bus: 600m³/h (350 cfm)

