

HIGH TEMPERATURE EXHAUST HOSE (HT)

HOSES

Plymovent's market-leading High Temperature Exhaust Hose (HT) for Fire and EMS stations is a proprietary construction, with a high-quality synthetic fabric that can endure exhaust gas temperatures of up to 900°F (482°C) continuous in a properly designed system. Independent laboratory test results available upon request. The hose is flame and abrasion resistant. Upper, Mid and Lower hose packages available for Plymovent track and rail systems.

APPLICATIONS

The HT is intended to be used for the following applications:



- Fire and emergency services stations with heavy-duty vehicles that generate high temperature hazardous exhaust fumes, such as 2007 and newer diesel vehicles that contain aftertreatment technologies such as a diesel particulate filter.

Note: For safety reasons vehicle regeneration should never be performed inside the Fire or EMS Station due to the high exhaust temperatures associated with DPF regeneration.

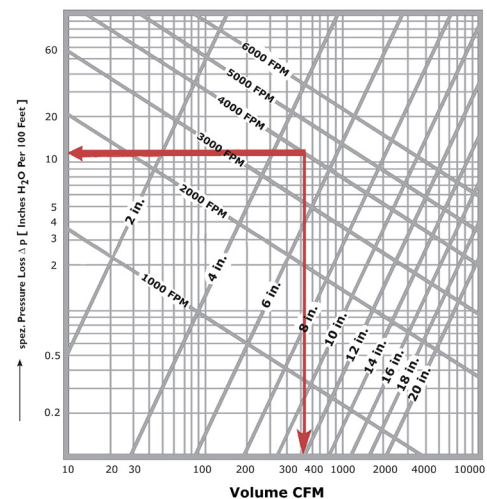
SPECIFICATIONS

Physical dimensions and properties	
Material	<ul style="list-style-type: none"> • Hose wall • Spiral • Lower Hose
	<ul style="list-style-type: none"> • proprietary multi-layer, high temperature synthetic fabric hose • spring steel wire helix and a high temperature synthetic wear strip for abrasion resistance • constructed with a proprietary, high-temperature, semi-rigid material to ensure proper operation with Grabbers
Diameters available	4 and 5 in. (100 and 125 mm)
Ambient conditions	
Operating temperature	<ul style="list-style-type: none"> • continuous: up to 900°F (482°C) • intermittent: up to 1050°F (566°C)
Recommended lengths	
Upper hose standard lengths are 6 ft, 12 ft, 14.5 ft, 17 ft, and 19 ft (1,8 m, 3,7 m, 4,4 m, 5,1 m, 5,8 m)	
Product combinations	
Track/Rail Systems	<ul style="list-style-type: none"> • SBTA • STRA • VSRX
Nozzles	<ul style="list-style-type: none"> • Magnetic Grabber • Pneumatic Grabber

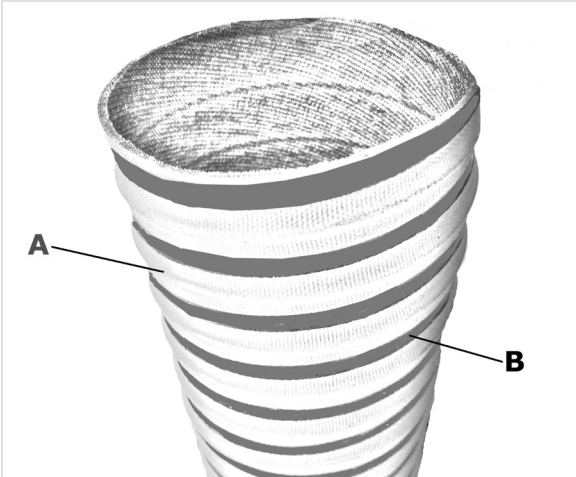


Options and accessories	
Balancer, hose saddle, hose clamps, nozzles (must be ordered separately)	
Order information	
Article no.	see remaining specifications
Number (package)	1
Shipping data	
Gross weight	see remaining specifications
Country of origin	USA
Recommended air speed	
4000 to 4500 fpm (20,3 to 20,8 m/s).	

AIRFLOW



Example: for a 5 in. (125 mm) HT hose with airspeed of 4000 FPM (20 m/s), the static pressure loss w.g. per 100 feet is 11 in. and air volume is 350 CFM (10 m³/m).



CONSTRUCTION:

- A. Internal spring steel wire helix with an external high temperature wear strip (yellow)
- B. High temperature synthetic outer layer provides additional abrasion protection (black)

ACCESSORIES

Balancer

The non-locking spring recoil balancer controls the point at which the Grabber disconnects from the tailpipe. As the hose attains its maximum reach, the balancer locking cable will bottom out, in turn pulling the nozzle from the moving vehicle's tailpipe.



Safety Disconnect Handle

Plymovent's safety disconnect handle is ergonomically-designed for ease of use. The round handle has large grips so that it can be operated even while wearing gloves and can be reached from any angle. The operator does not have to bend over to connect the nozzle to the tailpipe, further reducing the risk of exposure to exhaust emissions.



REMAINING SPECIFICATIONS

Art. no.	Dimensions	Length	Weight
Upper Hose (single piece)			
0000116367 710040-1	Ø 4 in. (100 mm)	6 ft (1,8 m)	3 lbs (3,9 kg)
0000116369 710041-1	Ø 4 in. (100 mm)	12 (3,7 m)	6 lbs (5,8 kg)
0000116371 710042-1	Ø 4 in. (100 mm)	14.5 (4,4 m)	7.3 lbs (3,3 kg)
0000116373 710043-1	Ø 4 in. (100 mm)	17 ft (5,1 m)	8.5 lbs (3,9 kg)
0000110175 710044-1	Ø 4 in. (100 mm)	19 ft (5,8 m)	9.5 lbs (4,3 kg)
0000110177 710045-1	Ø 5 in. (125 mm)	6 ft (1,8 m)	3.6 lbs (4,6 kg)
0000116379 710046-1	Ø 5 in. (125 mm)	12 (3,7 m)	7.2 lbs (3,3 kg)
0000116381 710047-1	Ø 5 in. (125 mm)	14.5 (4,4 m)	8.7 lbs (3,9 kg)
0000116383 710048-1	Ø 5 in. (125 mm)	17 ft (5,1 m)	10.2 lbs (4,6 kg)
0000116385 710049-1	Ø 5 in. (125 mm)	19 ft (5,8 m)	11.4 lbs (5,1 kg)
Mid Hose			
0000116346 710015-1	Ø 4 in. (100 mm)	10 ft (3 m)	5 lbs (2,3 kg)
0000116349 710016-1	Ø 5 in. (125 mm)	10 ft (3 m)	6 lbs (2,6 kg)
Lower Hose			
0000116342 710014-1	Ø 4 in. (100 mm)	2 ft (0,61 m)	1.4 lbs (0,6 kg)
0000116339 710013-1	Ø 5 in. (125 mm)	2 ft (0,61 m)	1.7 lbs (0,8 kg)

Plymovent Authorized Distributor:

Product type	HT [™]
Article no.	See remaining specifications
Product category	Hoses
Version	07MAR2023/B

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