

EXTERNAL HELIX HOSE FOR TEMPERATURES UP TO 850°F



SERIES 7850

Material

Hose wall: high temperature silicone coated glass fabric
External helix: galvanized steel

Applications

- Hot air
- Suction plants
- Furnace construction
- Iron and steel works
- Engine construction
- Radiant heat protection
- Primarily suited as extraction hose
- Low pressure applications

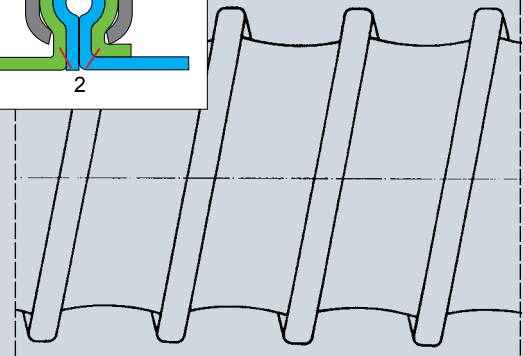
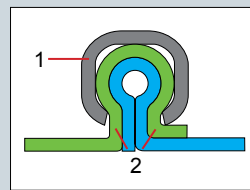
Properties

- Flame-resistant
- Very high temperature resistance
- Highly flexible
- Extreme compressibility 1:6
- Small bend radius
- External steel helix protects against abrasion
- Suitable for continually flexing
- Does not emit airborne fibers
- Special clamping method guarantees high tensile strength between hose material and external helix
- To maximize life of duct and exhaust system effectiveness, it is recommended to utilize a negative pressure exhaust system and introduce ambient air at the inlet.

* Larger sizes available, consult factory for pricing.

Construction

1. External helix
2. Hose wall: high temperature silicone coated glass fabric, asbestos free



Temperature Range*

- -5°F up to +850°F
- Intermittent to +950°F

*Hoses used for vehicle exhaust extraction, or operating near maximum temperature, must be used within a properly designed fan system to avoid damaging the hose.

Dia (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Weight (lbs./ft.)
3.00	189	62	1.80	0.65
4.00	121	35	2.40	0.85
5.00	84	22	3.00	1.17
6.00	63	16	3.60	1.28
7.00	49	12	4.20	1.49
8.00	40	9	4.80	1.70
10.00	28	6	7.00	2.13
12.00	21	4	8.40	2.56
14.00	16	3	9.80	2.99
16.00	13	2	11.20	3.46

* Referring to the inner side of the elbow of hose.

The above mentioned data refers to an average and ambient temperature of 68°F. Subject to technical changes and color variations.