

EXTERNAL HELIX HOSE FOR TEMPERATURES UP TO 1000°F



SERIES 7100

Material

Hose wall double layer:

Inner wall: heat resistant impregnated glass fabric
Outer wall: special coated high temperature fabric, asbestos free, reinforced by woven in stainless steel wire
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

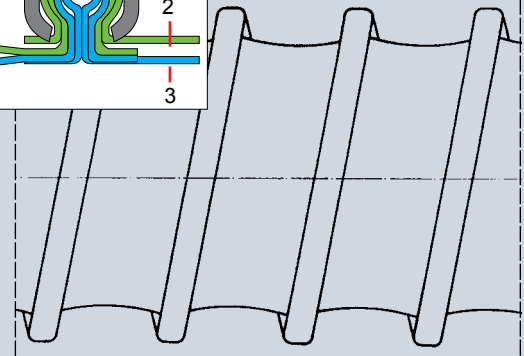
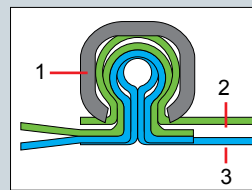
Properties

- Flame-resistant
- Very high temperature resistance
- Silicone-free
- Highly flexible
- Extreme compressibility 1:6
- Small bend radius
- External steel helix protects against abrasion
- Suitable for continually flexing
- 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 +1000°F
- Intermittent to +1100°F
- Small amounts of smoke maybe given off when used under positive pressure or with low extraction rates.

*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	0.83
5.00	84	22	3.00	0.92
6.00	63	16	3.60	1.14
8.00	40	9	4.80	1.52
10.00	28	6	7.00	1.64
12.00	21	4	8.40	1.97
14.00	16	3	9.80	2.30
16.00	13	2	11.20	2.69
18.00	11	2	14.40	3.15

* 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.