

Data Sheet

AIRFLOW 100, 100S, 100R, 100 ARMOR SLEEVE

High temperature autoclave/ oven hoses

DESCRIPTION

Airflow 100 is a durable high temperature and high pressure autoclave hose. The hose construction consists of a braided steel outer covering a PTFE inner tube supported with a flexible steel spring conduit. Its unique design prevents collapse from vacuum or autoclave pressures.

Airflow 100S has the same construction as the Airflow 100 with the addition of a steel outer protection coil.

Airflow 100R has the same construction as the Airflow 100 with the addition of a silicone rubber outer protective sleeve.

Airflow 100 Armor Sleeve has the same construction as the Airflow 100 with an outer steel armor jacket.

BENEFITS

- Safer vacuum for part curing with heavy duty metal hose construction.
- More temperature resistance and longer in service life.
- Different outer jackets for different use conditions.

TECHNICAL DATA

Material type of inner tube	PTFE
Material type of inner conduit	Flexible steel
Material type of outer braid	Steel
Material type of outer protection	Flexible steel (100S) / Silicone rubber (100R)
End fitting	1/4 inch male NPT
Service temperature	260°C
Max autoclave pressure	320 psi (22 bar)

SIZES

Product Reference	Nominal Internal Hose Diameter	Nominal Outer Hose Diameter	Available Length
AIRFLOW 100	9.5 mm	11.1 mm	up to 30 m
AIRFLOW 100 S	9.5 mm	11.1 mm	up to 9 m
AIRFLOW 100 ARMOR SLEEVE	9.5 mm	15.8 mm	up to 22 m
AIRFLOW 100 R	9.5 mm	15.8 mm	up to 30 m

- Though standard sizes are 3 meters, hose lengths can be customized to meet your specific requirements, contact Airtech for more information.
- Other hose diameters and end fittings are available.
- BSP sockets can be fitted using a 1/4" NPT to BSP adapter.



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Catalogue position : [Vacuum valves and hoses](#)