

Convoluted PTFE braided stainless steel hose assemblies



CHEMICALS & PHARMACEUTICALS

Convoluted PTFE hose assemblies/ high tensile 304 stainless steel braided



APPLICATIONS

For transferring aggressive and corrosive chemicals, requiring good temperature resistance and flexibility.

(Compressed gases, solvents, acids, lacquers, hydrocarbons, oils, food products.)

ADVANTAGES

- Resistant to almost any chemicals (except fluorine and its derivatives).
- Can work at very low (-70°C) up to high (+260°C) temperatures, depending on the conveyed fluid.
- Can be used under pressure.
- Highly flexible and resistant to vibration.
- Non-stick properties.
- Non-flammable.

Stainless steel external helix: good resistance to vacuum, bending and crushing.

STANDARD/APPROVAL

USP
class VI

CE
1935/2004

FDA

TMD
For black antistatic
hose assemblies

PED
2014/68/UE

TECHNICAL DESCRIPTION

Inner tube: helically convoluted PTFE, white or black antistatic.

Compliant with FDA 21 CFR 177.1550, USP Class VI requirements, and EU regulation 1935/2004.

Smooth PTFE inner tube available.

Optional reinforcement: stainless steel external helix.

Braid(s): high tensile 304 stainless steel.

Polypropylene braid available.

Optional cover: PVDF, EPDM or silicone glass fiber.

Temperature range: -70°C to +260°C.

Diameter range: available from 1/4" (6mm) up to 6" (150mm).

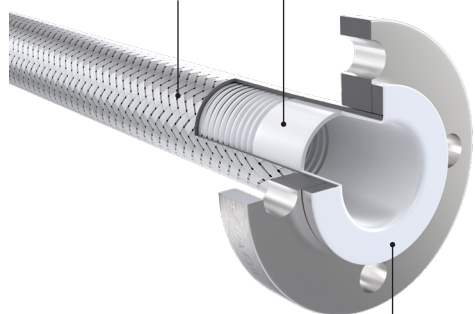
Electrical properties: to transfer non-conductive fluids (oil, paint, steam), use a black antistatic inner tube. Can be used in ATEX zones.

Compliant with the European Directive 2014/68/EU for pressure equipment (PED).

COUPLINGS/FITTINGS

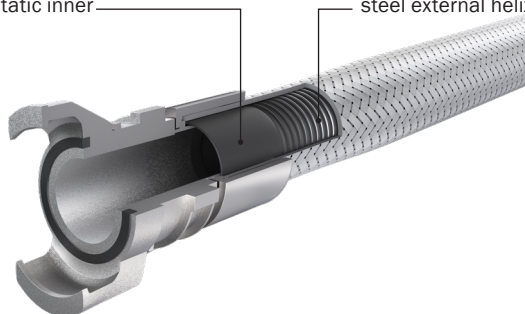
Made to order with any types of fittings, in stainless steel, PTFE or PTFE-coated, including flare through ends for flanges (PTFE-lined flared).

High tensile 304
stainless steel braid



Helically convoluted PTFE,
white or black antistatic
tube

Optional stainless
steel external helix



PTFE-lined flared



CHEMICALS &
PHARMACEUTICALS

CONVOLUTED PTFE HOSE
ASSEMBLIES/ HIGH TENSILE 304
STAINLESS STEEL BRAIDED



ID		BENDING RADIUS	WORKING PRESSURE	BURSTING PRESSURE	VACUUM	MAX. LENGTH	WEIGHT
inch	mm	mm	bar	bar -20°C	bar -20°C	mm	gr/m
1/4"	6	12	35	170	0,7	20	90
3/8"	10	24	35	170	0,7	20	125
1/2"	13	29	60	250	0,9	20	140
5/8"	16	35	55	170	0,9	20	170
3/4"	20	59	60	290	0,9	20	380
1"	25	71	40	210	0,9	20	555
1 1/4"	32	94	40	210	0,9	20	675
1 1/2"	38	118	35	175	0,9	20	1120
2"	50	147	25	135	0,9	20	1700
2 1/2"	63	230	16	80	0,9	20	2135
3"	75	260	14	65	0,9	20	3325
4"	100	300	10	40	0,9	20	4050
5"	127	450	6	24	0,9	12	4860
6"	150	520	6	24	0,9	12	5540
Tolerance on length $\pm 1\%$ (ISO 1307 Standard).				Dimensions provided for information only, not contractual. Please contact us for further details.			