



# Convoluted PTFE braided polypropylene hose assemblies



**CHEMICALS & PHARMACEUTICALS**



Convoluted PTFE hose assemblies/  
polypropylene braided

### APPLICATIONS

For transferring aggressive and corrosive chemicals, requiring high flexibility, low weight and pressure applications.  
(Compressed gases, solvents, acids, lacquers, hydrocarbons, oils, food products.)

### ADVANTAGES

- Resistant to almost any chemicals (except fluorine and its derivatives).
- Weight reduced by 10% to 20% compared with stainless steel braids.
- 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.

### STANDARDS/APPROVAL

<b>USP</b> class VI	<b>CE</b> 1935/2004	<b>FDA</b>	<b>TMD</b> For black antistatic hose assemblies	<b>PED</b> 2014/68/UE
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### 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): blue or black polypropylene.  
High tensile 304 stainless steel braid available.

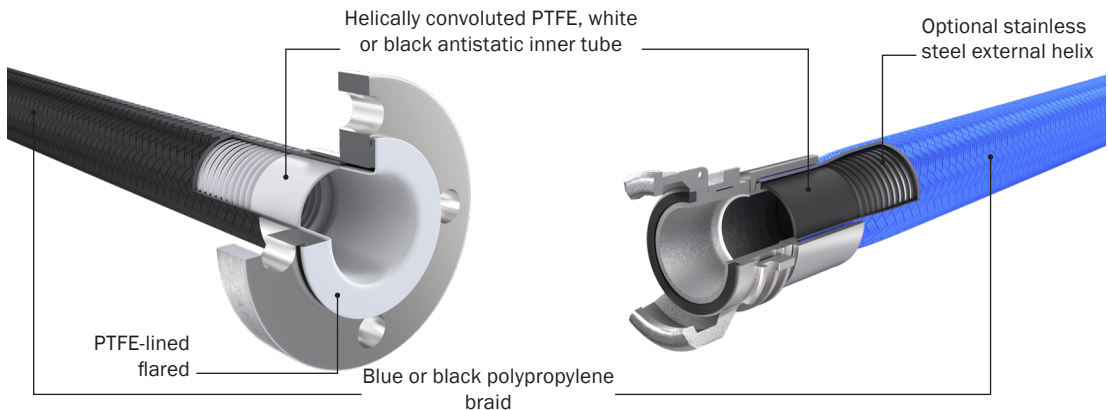
Optional cover: PVDF, EPDM or silicone glass fiber.  
Temperature : -70°C to +90°C.

Diameter range : available from 1/2" (13 mm) up to 4" (100mm).

Electrical properties: to transfer non-conductive fluids (oil, paint, steam), use a black antistatic inner tube.  
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).





CHEMICALS &  
PHARMACEUTICALS

CONVOLUTED PTFE HOSE  
ASSEMBLIES/POLYPROPYLENE  
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
1/2"	13	50	40	160	0,9	10	140
5/8"	16	65	30	120	0,9	10	230
3/4"	20	55	30	120	0,9	10	350
1"	25	85	30	120	0,9	10	470
1 1/4"	32	100	25	100	0,9	10	550
1 1/2"	38	120	22	88	0,9	10	700
2"	50	165	20	80	0,9	10	1150
2 1/2"	63	230	16	64	0,9	10	2160
3"	75	260	14	50	0,9	10	3340
4"	100	300	10	40	0,9	10	4100

Tolerance on length  $\pm 1\%$  (ISO 1307 Standard).

Dimensions provided for information only, not contractual.  
Please contact us for further details.