

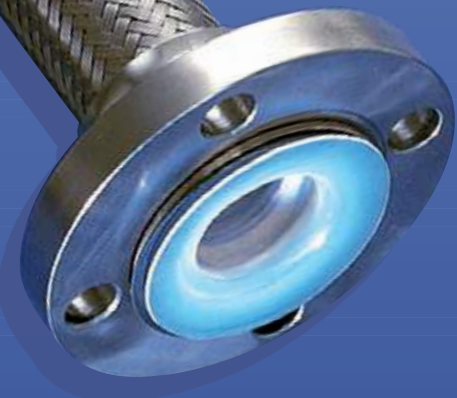
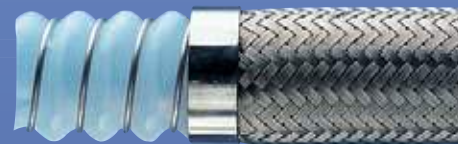
KAPTECH

CONVOLUTED PTFE PROCESS HOSE ASSEMBLIES

PTFE 5000 CORROFLON

- **Excellent flexibility**
Convoluted tube allows tight, kink-free bends and ease of handling.
- **Self-cleaning**
The non-stick nature of the tube and the low angle of the convolutions ensure excellent cleanability.
- **Hygienic**
Manufactured from FDA-approved PTFE.
- **Heat-resistant**
Usable up to 260°C, dependent on specification and application details.
- **Excellent steam resistance**
Longer service life than rubber steam hoses.
- **Durable**
Tough outer braid protects against abrasion and damage.
- **Vacuum resistant**
Usable with full vacuum (sizes up to 2" nb, max 130°C) dependent on specification and application details.
- **Sizes:** 1/2" up to 6" nb.
- **Wide range of end fittings:** BSP, NPT, flanges, hygienic type, etc.

- **Excellent chemical resistance**
Inert to all but a handful of uncommon chemicals.
- **Low flow-resistance**
The smooth low-friction tube and low angle of the convolutions give good flow capacity.



FS 28046



HOSE & COUPLINGS DIVISION

For capabilities and general technical data, see overleaf

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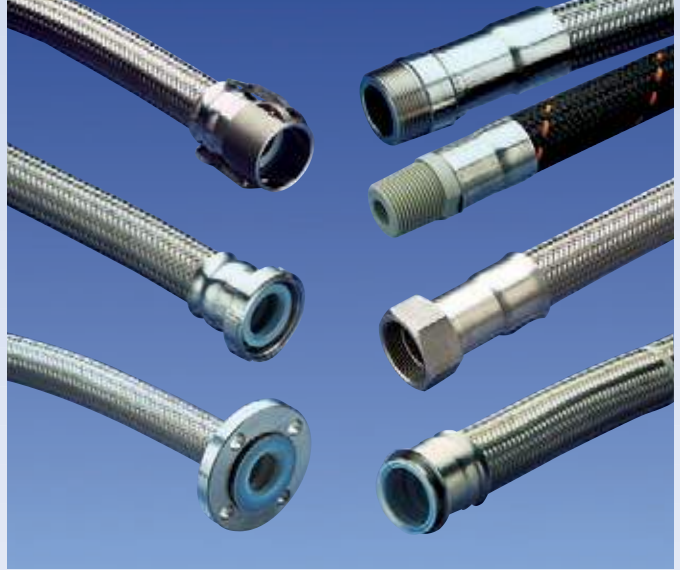
PTFE 5000 CORROFLON - CONVOLUTED PTFE PROCESS HOSE ASSEMBLIES

Kaptech PTFE 5000 Corroflon convoluted PTFE hose is widely regarded as the optimum choice for process applications, especially in the pharmaceuticals, food and chemicals industries.

Anti-static: In addition to the standard translucent tube, Kaptech PTFE 5000 Corroflon hose is available with an anti-static black PTFE tube (AS). This is designed for applications where fluids with a high electrical resistance such as solvents and fuels are passed through the hose and allows the dissipation of any static charge in accordance with BS2050: 1978.

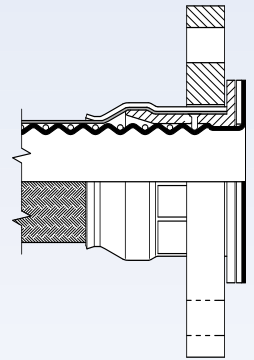
Tube Only: An unbraided tube-only option (TO) is also available for applications where a translucent, low-pressure hose is required. Other specialist PTFE tubes are available to special order.

Braid Options: Kaptech PTFE 5000 Corroflon PTFE hose is provided as standard with an external stainless steel braid. It is also available with a polymer braid (PB) manufactured from a polypropylene yarn which provides a lightweight braid with excellent chemical resistance and comfortable handling characteristics. Other specialist braids and covers are available to special order.



End Fittings.

Kaptech PTFE 5000 Corroflon hose assemblies can be fitted with all conventional types of end fittings. Standard types include BSP and NPT threaded fittings in zinc-plated mild steel and 316SS; swivel flanges in 304, 316SS and polypropylene are also options. A full range of hygienic type end fittings such as RJT, IDF and Tri-clamp are available, and these can be PTFE-lined where the sealing technique allows. Cuffed ends suitable for customers to attach their own fittings are available to special order.



Pressure range.

Pressure ratings shown are for PTFE 5000-SS (stainless braid) at ambient temperature. For versions with other braid or tube-only (TO) options, please contact Guyson Technical Department.

Max working pressures are based on a 4:1 factor of safety on the burst pressures.

Temperature range.

Usable from -73°C to +260°C dependent on specification and application details, please consult Guyson Technical Department.

Stainless Steel Braided				
Bore Size	Minimum Bend Radius	Maximum Working Pressure	Weight Per Metre	Maximum Cont. Length
Inches	mm	bar	kg	m
1/2	38	41	0.330	28
3/4	51	35	0.450	30
1	70	31	0.700	40
1 1/4	82	27	0.820	30
1 1/2	100	23	1.500	25
2	140	20	2.100	18
2 1/2	178	16	2.580	13
3	230	14	3.290	10
4	300	10	5.050	5
6	600	5	10.000	4

Pressure ratings shown are valid for Group 2 fluids only [per Pressure Equipment Directive 97/23/EC, Art.9 (2)]. Consult Guyson Technical Department for Group 1 (dangerous) fluids ratings.

Other Kaptech PTFE hoses available include: PTFE 1000 smooth bore, PTFE 3000 convoluted (industrial applications), PTFE 4000 Hyperline smooth bore (industrial applications) and Bioflex smooth bore (process applications). PTFE moulded & 'V' type bellows are also available to special order.



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