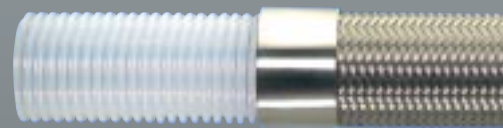


# KAPTECH

## CONVOLUTED PTFE INDUSTRIAL HOSE ASSEMBLIES

### PTFE 3000

- **Exceptional flexibility**  
Convoluted tube allows tight, kink-free bends and ease of handling.
- **Excellent chemical resistance**  
Inert to all but a handful of uncommon chemicals.
- **Heat-resistant**  
Usable up to 230°C, dependent on specification.
- **Excellent steam resistance**  
Longer service life than rubber steam hoses.
- **Vacuum resistant**  
Usable with full vacuum (up to 1" size, max 130°C).
- **Lightweight**  
Around 60% of the weight of a typical rubber hose.
- **Durable**  
Tough outer braid protects against abrasion and damage.
- **Sizes:** 3/8" up to 2" nb.
- **Wide range of end fittings**  
BSP, NPT, flanges, hygienic type, etc.



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For capabilities and general technical data, see overleaf

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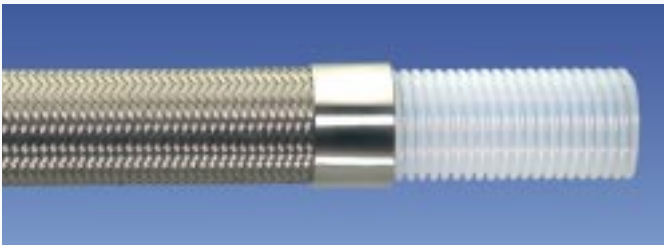
## PTFE 3000 - CONVOLUTED INDUSTRIAL HOSE ASSEMBLIES

**Kaptech PTFE 3000 convoluted PTFE hose offers a lightweight, flexible and durable solution for a wide range of arduous industrial applications.**

**Anti-static:** In addition to the standard translucent tube, Kaptech PTFE 3000 hose is also 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.

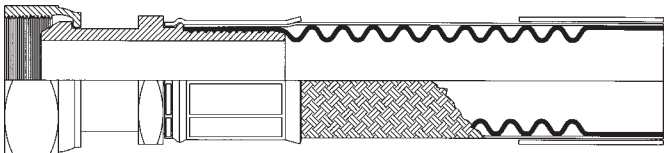
**Tube Only:** An unbraided tube-only option (TO) is also available for applications where a translucent, low-pressure hose is required.

**Braid Options:** Kaptech PTFE 3000 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 3000 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. Cuffed ends suitable for customers to attach their own fittings are available to special order.

Although Kaptech PTFE 3000 hose assemblies can be used for some light-duty process fluid applications, Kaptech PTFE 5000 (Corroflon) is usually preferred due to its thicker PTFE wall and helical wire reinforcement construction.

### Stainless Steel Braided

Bore Size	Minimum Bend Radius	Maximum Working Pressure	Weight Per Metre	Maximum Continuous Length
Inches	mm	bar	kg	m
3/8	20	80	0.130	40
1/2	23	67	0.200	27
3/4	50	40	0.340	20
1	63	33	0.470	20
1 1/4	70	27	0.630	15
1 1/2	115	20	0.900	15
2	130	17	1.250	15

### Pressure range.

PTFE 3000-SS: Refer to table above.

PTFE 3000-PB: Reduce SS pressures by 50%.

PTFE 3000-TO: For pressures below 2 bar only.

### Temperature range.

PTFE 3000-SS: -70°C up to +230°C.

PTFE 3000-PB: -70°C up to +90°C.

PTFE 3000-TO: -70°C up to +180°C.

Maximum working pressures shown above are for SS-braided PTFE 3000 hose and are based on a 4:1 factor of safety on the burst pressures.

The maximum working pressures listed are for temperatures up to 130°C only. Above 130°C, the maximum working pressure & vacuum resistance must be reduced by 1% for each 1°C above 130°C.

Other Kaptech PTFE hoses available include: PTFE 1000 smooth bore, PTFE 5000 Corroflon convoluted and Bioflex smooth bore (process applications). PTFE moulded & 'V' type bellows are also available to special order.



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