

KAPTECH

CONVOLUTED PTFE INDUSTRIAL HOSE ASSEMBLIES

PTFE 3000 VISIFLON

- **Heat-resistant**
Usable up to 230°C, dependent on specification and application details.
- **Excellent steam resistance**
Longer service life than rubber steam hoses.
- **Vacuum resistant**
Usable with full vacuum dependent on specification and application details.
- **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.

- **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.



FS 28046



HOSE & COUPLINGS DIVISION

For capabilities and general technical data, see overleaf

KAPTECH

PTFE 3000 VISIFLON CONVOLUTED INDUSTRIAL HOSE ASSEMBLIES

Kaptech PTFE 3000 Visiflon 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 Visiflon 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 Visiflon PTFE hose is provided as standard with an external stainless steel braid. It is also available to special order, 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 also available to special order.



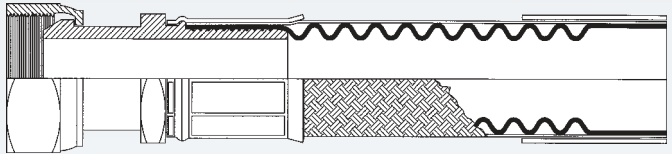
Pressure ratings: Pressure Ratings shown are for PTFE 3000 Visiflon with stainless steel braid at ambient temperature. For versions with other braids or tube-only (TO) option, please consult Guyson Technical Department.

Temperature Range: Usable up to 230°C dependent on specification and application details, please consult Guyson Technical Department.



End Fittings.

Kaptech PTFE 3000 Visiflon 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 Visiflon 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 |
| Inches | mm | bar | kg |
| 3/8 | 19 | 60 | 0.144 |
| 1/2 | 25 | 47 | 0.195 |
| 3/4 | 50 | 32 | 0.376 |
| 1 | 63 | 26 | 0.533 |
| 1 1/4 | 75 | 25 | 0.729 |
| 1 1/2 | 115 | 20 | 1.044 |
| 2 | 130 | 15 | 1.378 |

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 4000 Hyperline FX smooth bore (industrial applications), PTFE 5000 Corroflon convoluted (process applications) and Bioflex smooth bore (process applications).



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