

# Hose Assemblies...

PTFE • Silicone • Rubber • Metallic • PVC • Hydraulics • Bespoke



## Applications

FlexTech bespoke hose assemblies are designed to meet the stringent temperature, pressure and vacuum service requirements found in food, pharmaceutical, medical, beverage and dairy product applications.

Our hose assemblies are very versatile and highly recommended for many of the critical applications in these industries including:-

- Fluids associated with high temperatures
- Compensation of vibrations and pipe work misalignment within a production line
- Fluids associated with pharmaceutical and bio- medical transfer and production
- Food handling and production
- Production of dairy products
- Beverage service, handling and production
- Petrochem & specialist chemical transfers
- Bottle filling
- De-ionised water transfer
- Conveyance of cosmetic solutions

Please contact the FlexTech sales team with the details of your particular application.

## PTFE

**FlexTECH** Series T6000 PTFE hose assemblies are manufactured from virgin or antistatic material meeting the requirements of 21 CFR 177.1550 FDA.

FlexTech PTFE hoses are available in either smooth or convoluted bore with standard crimped end fittings or tuffed connections on convoluted hose.

- Temperature range from -70°C to + 260°C.
- Vacuum rating up to 947 mbar at 20°C.
- Antistatic quality with resistance of <10 Ohms as recommended in BS2050 (1978)



## Silicone

**FlexTECH** Series T4000 platinum cured hygienic silicone hoses are manufactured in compliance with 21.CFR 177 FDA and BGA Class VV, XVA, LIIA.



All hoses have 60° shore hardness and are available as regular tubing, braid reinforced or with 4 ply polyester reinforcement and 316L grade stainless steel wire helix.

Suitable for applications within the food, dairy, beverage, pharmaceutical and medical industries.

Temperature range from -60°C to + 200°C and vacuum of 684 mbar at 20°C.

- Working pressures up to 15 Bar
- Manufactured to ISO 9001 Quality Standards
- FDA CFR 177.1550 Compliant
- Working pressures up to 20 Bar
- Manufactured to ISO 9001 QA
- FDA CFR 177.1550 Compliant
- Hygienic connections from grade 316L stainless steel with surface



# Hose Assemblies...

PTFE • Silicone • Rubber • Metallic • PVC • Hydraulics • Bespoke



## Composites

**FlexTECH** T7600 Series composite hose assemblies are manufactured from layers of composite materials wrapped over an internal wire helix and then bound by an external wire helix of galvanised steel, stainless steel or aluminium. Temperatures range from -100°C to + 200°C

**Fittings:** BSP, URT, QR Camlocks and Flanged are available in Stainless Steel, Gun Metal and Aluminium as standard

**Standards:** BS EN 13765 - BS EN 13766 - BS 5842

Flextech Composite hoses are designed for general purpose transfer applications and are suitable for a wide range of fluids including fuels, fuel oils, chemicals and food stuffs.

Each hose is tested to 1.5 x working pressure for electrical continuity and certified accordingly.

## Hydraulics

**FlexTECH** range of GATES quality hydraulic hose assemblies are manufactured on site to customer requirements.



Standard products available from stock include 1SN, 2SN, 4SP, 4SH, R1AT, R2AT, R12, R13, with working pressures up to 12,000 PSI.

GATES offer a global support network and are tested and approved to EN, SAE, DIN, Lloyds, MOD and ABS.

## Excellent performance

- Gates CM2T Megaflex exceeds EN 857 2SC, is tested & validated to 600,000 impulse cycles and up to 400 Bar working pressure.
- Gates EFG6K with up to one million impulse cycles and 420 Bar working pressure is an extremely 'high flexibility' hose.



## Rubber Hose

**FlexTECH** T5700 Series hygienic rubber food hose and assemblies are manufactured in compliance with BfR food regulations and FDA 21 CFR 177.2600s and are totally ADI free.

The hose has a non tainting FDA liner making this an ideal product for many food transfer applications within the dairy, healthcare and confectionary industries.

It is also used in food processing plants within the process engineering sectors which require FDA sanitary hoses with a non marking cover.

Temperatures up to +164°C with working pressures to 20 Bar.



## Metallics

**FlexTECH** Series T7000 Metallic hose assemblies offer excellent chemical and temperature resistance (from -200°C to +600°C) with pressure ratings up to 220 Bar.

These properties determine suitability for applications in areas where a metal hose is the only practical solution for a given task.

Series T7000 Metallic hoses have a convoluted bore and are supplied in an assortment of grades, covers & end terminations. All of which ensures that the hoses are ideally suited for gas supply and transfer of steam, chemicals, food processing and hot water systems.

**Sizes** - from 1/4" to 8" Bore

- Available with single and double over braids for maximum working pressures up to 220 Bar.
- T7010 Series: - All 316 Stainless Steel Assembly
- Titanium and Monel are also available to order.

