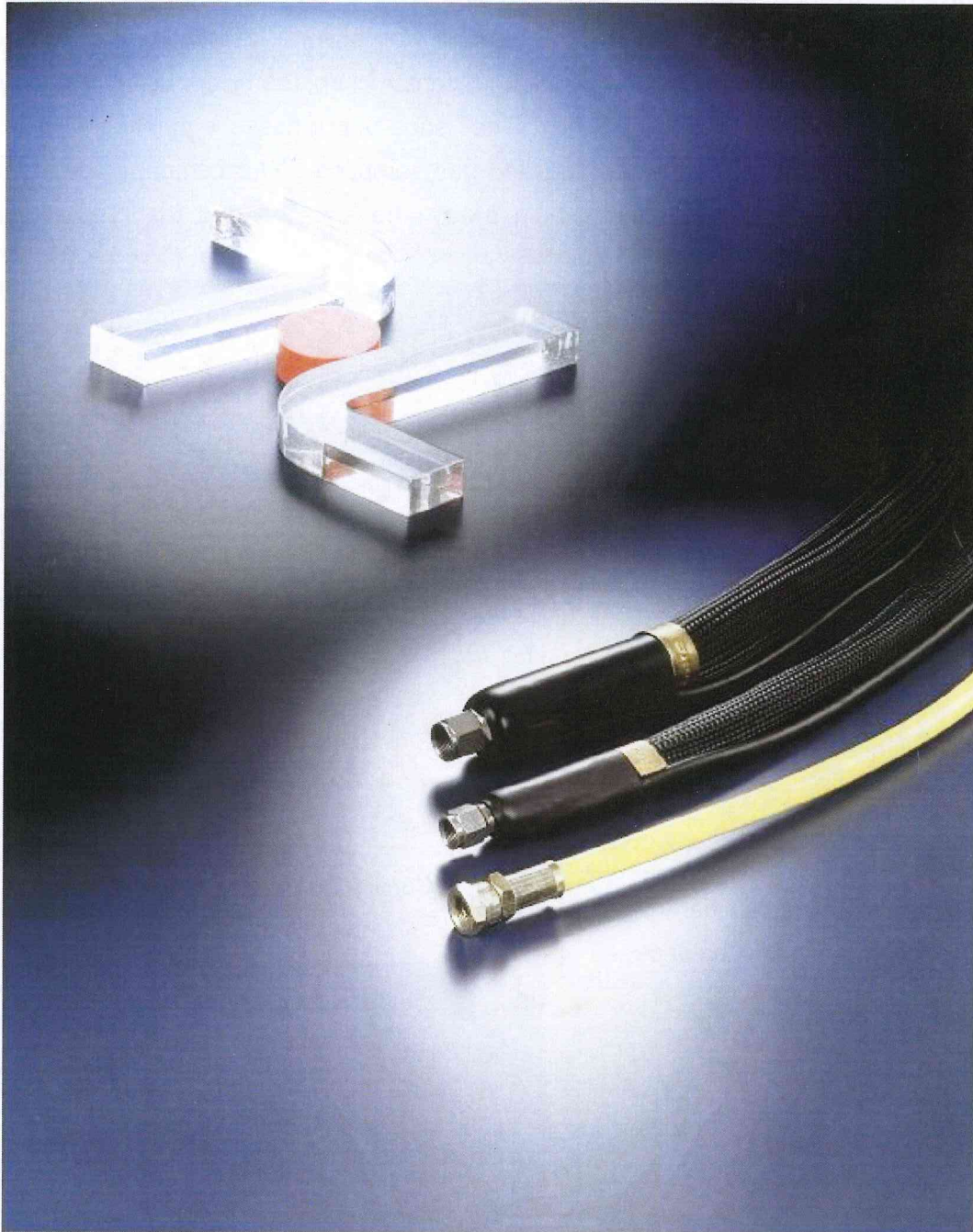


PRODUCTS GUIDE



Hot (Heating) Hose Hot (Heating) Tube
High pressure hose Fluorine resin(PFA)
High pressure hose Polyamide Low pressure hose Polyamide
Steamhose for cleaning (iron and press) Mold temperature Controller (oil, water)

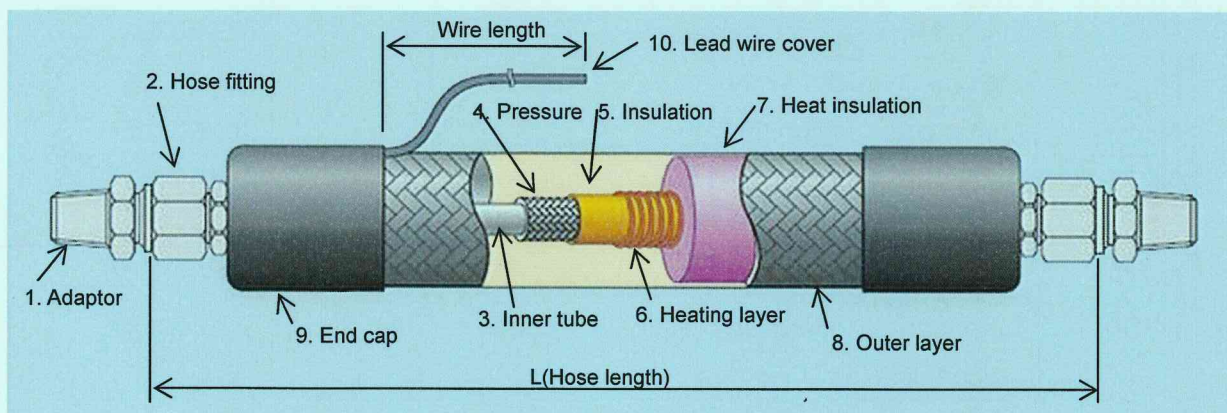
TOYONAKA HOT LABORATORY CO.,LTD.

Hot Hose



Features and Benefits

The hot hose keeps warming and heating and prevents the viscosity increase, temperature fall and freezing of fluid and gas. According to the field situation and operating condition, we design and manufacture the best solution. Saving your time and cost preparing heater trace, a hot-insulation-work and other related work is a big advantage of our hot hose. In addition, we provide the various temperature controllers such as a built-in self-temperature adjustment thermostat, etc.



Typical Applications	Typical Fluids Handled
Hot melt application	Butyl rubber, Pressure sensitive adhesives, Ethylene vinyl acetate, Polyamide, Polyurethane reactive, warm melt sealers etc.
Dispenser	Epoxy resins, PVC, adhesives, Urethanes etc.
Automotive manufacturing	Sealants & adhesives, etc.
Resin mold	PP, PE, Acrylic resin, PVC, etc.

General specifications

Tube material	Teflon tube	Nylon tube	Stainless tube
Maximum working temperature	230°C	50°C	400°C
Maximum working pressure	30 MPa	30 MPa	5 MPa

The above-mentioned specification is a standard. We may be unable to manufacture depending on size or the purpose of use.

Standard threads

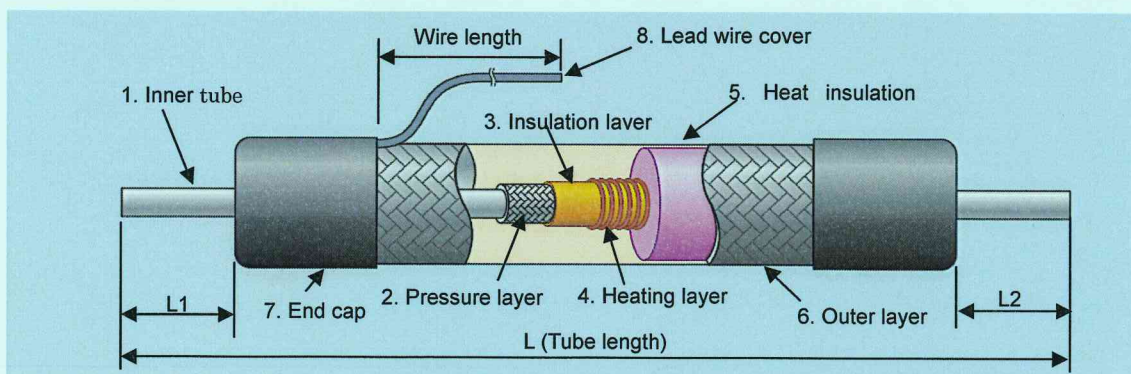
G(PF)	Japanese standard straight pipe threads for general use	JIS B0202
R(PT)	Japanese standard taper pipe threads for general use	JIS B0203
UNF	Unified fine pitch thread	JIS B0208
UNC	Unified coarse pitch thread	JIS B0206
M	Metric fine pitch thread	JIS B0205
M	Metric coarse pitch thread	JIS B0205
NPT	American standard taper pipe threads for general use	ANSI/ASME
NPS	American standard straight pipe threads for general use	B1.20.1
NPTF	Dryseal American standard taper pipe threads	ANSI/B1.20.3,
NPSM	American standard straight pipe threads for free-fitting mechanical joints fixtures	1.20.4

Hot Tube



Features and Benefits

The hot tube keeps warming and heating and prevents the viscosity increase, temperature fall and freezing of fluid and gas. According to the field situation and operating condition, we design and manufacture the best solution. Saving your time and cost preparing heater trace, a hot-insulation-work and other related work is a big advantage of our hot tube. In addition, we provide the various temperature controllers such as a built-in self-temperature adjustment thermostat, etc.



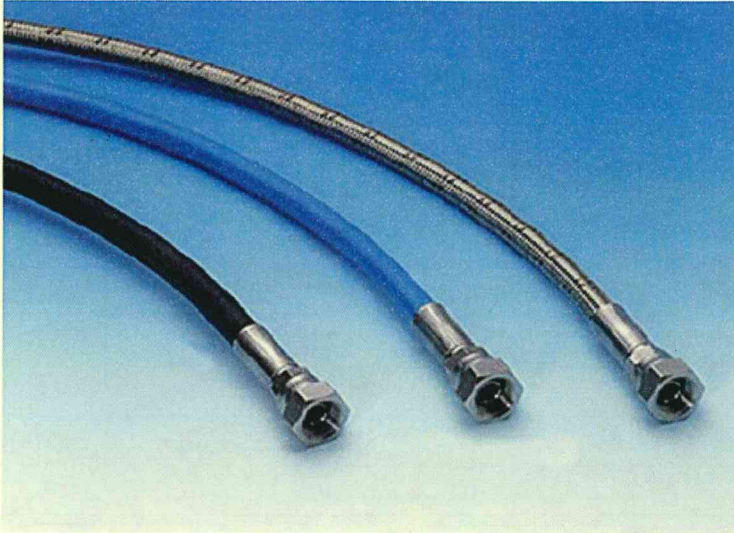
Typical Applications	Typical Fluids Handled
Environmental equipment	Measurement of exhausting gas, gas analyzer, etc.
Dispenser	Epoxy resins, PVC, adhesives, Silicones, etc.
Paint coating	Hot air, etc.
Dew condensation prevention	Water, etc.
Others	Fuel, Ink, etc.

General specifications

Tube material	Teflon tube	Nylon tube	Stainless tube
Maximum working temperature	230°C	50°C	400°C
Maximum working pressure	Based on inner tube specifications		

The above-mentioned specification is a standard. We may be unable to manufacture depending on size or the purpose of use.

High Pressure Teflon Hose



Features and Benefits

- Flexible and light weight hose can reduce operator's tiredness.
- High chemical resistance and durability give safety environment.
- Various fittings are available.

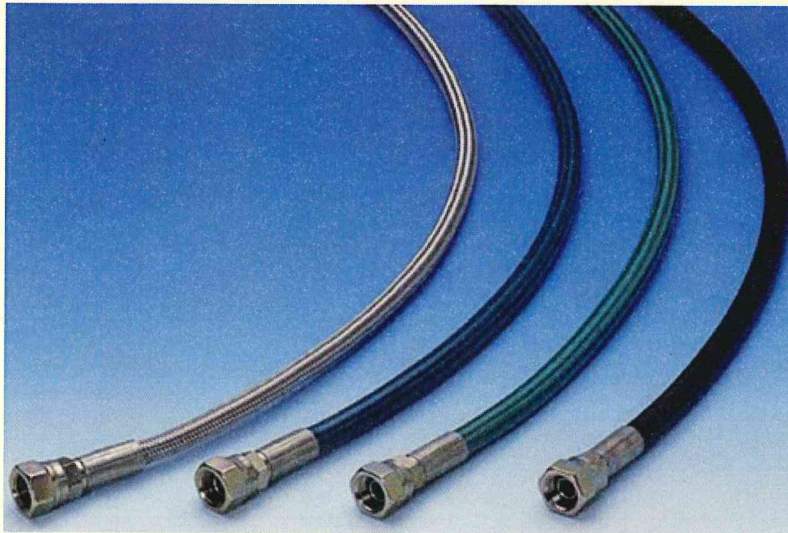
Typical Applications

- Waterborne & solventborne airless spray
- Adhesive bonding
- Sealing apply system
- Sanitary equipment
- Industrial machinery

Typical Fluids Handled

- Moisture-sensitive materials, isocyanates
- Urethanes
- Sealants and adhesives
- Plural component materials
- Various chemicals

High Pressure Nylon Hose



Features and Benefits

- Flexible and light weight hose can reduce operator's tiredness.
- High pressure hose can handle several high viscosity materials.
- Various fittings are available.

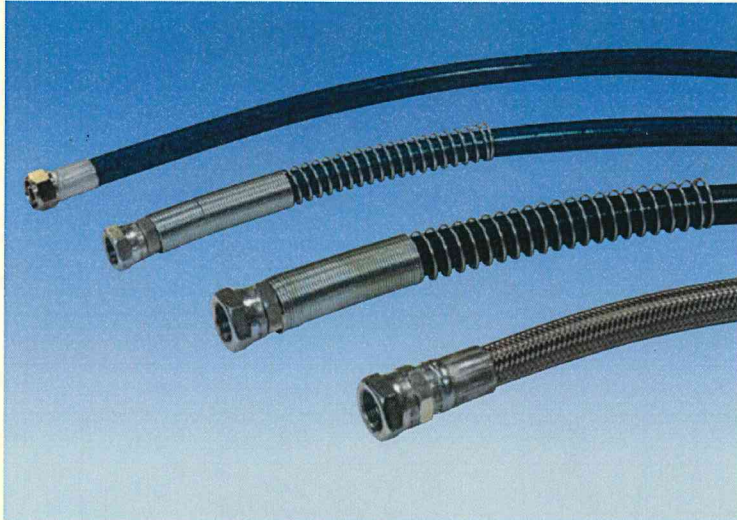
Typical Applications

- Waterborne & solventborne airless spray
- Adhesive bonding
- Sealing apply system
- Marine shipbuilding
- High pressure washing

Typical Fluids Handled

- Moisture-sensitive materials, isocyanates
- Epoxies
- Sealants and adhesives
- Hydraulic oil

Low Pressure Hose



Features and Benefits

- High solvent resistance provides to use various applications.
- Flexible and light weight hose can reduce operator's tiredness.
- The hose can be used as a suction hose or a delivery hose.
- Various fittings are available.

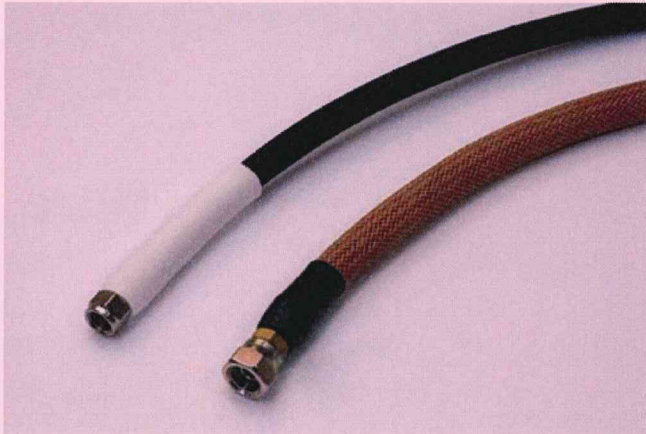
Typical Applications

- Air or air-assisted spray
- Wood industries
- Adhesive apply system
- Auto feeder
- General metal

Typical Fluids Handled

- Paints
- Cleaning fluids
- Protective coatings
- Hydraulic oil

Insulation Hose for Steam for Temperature control



Features and Benefits

- For a thick polyester braid is added ,
- Flexibility improves and hard to break.
- Furthermore, having an air layer, the surface temperature keeps low.
- Long life and easy handling.

Typical Applications

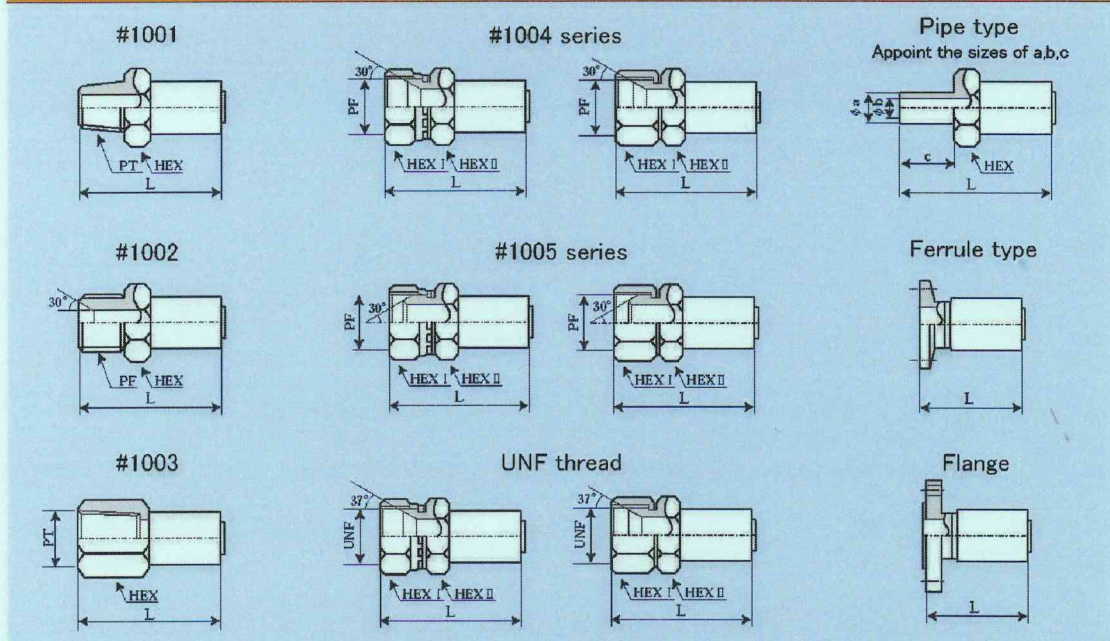
- Cleaning industry
- Garment factory
- Steam washing
- Mold temperature controller (oil , water)

Typical Fluids Handled

- Steam
- High temperature water
- High temperature water

COUPLING AND ADAPTER

THE TABLE OF HOSE COUPLING



※The production of the form of anhedron is possible, too. Please consult.

THE TABLE OF ADAPTER

