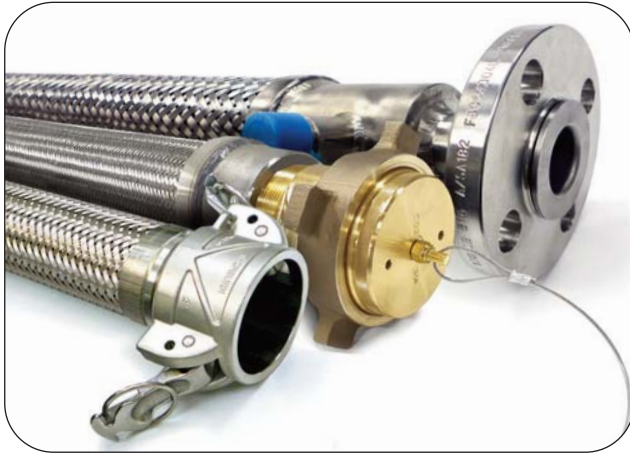


ThorburnFlex



HOSE ASSEMBLIES

Engineered Solutions For Pipe Motion



www.thorburnflex.com

Thorburn In-House Design, Manufacturing & Testing

Thorburn's custom hose assemblies achieve several objectives in pipe work design: absorb vibration, suppress rigid pipe transmitted noise, accommodate reciprocating, flexing movement and adjust or correct for minor misalignment. Thorburn provides end-user engineered solutions for pipe motion. You specify the operating conditions and we will produce a custom hose assembly that will satisfy the operating conditions. Thorburn's hose assemblies may be exceptionally flexible or you may need several hoses encapsulated in outer hose: a jacketed hose for heat exchange; an armored hose; a hose to carry sensitive cables; an insulated hose; a color coded hose. Our "Can-Do" design specialists are only a phone call away.



- SAE J343
- ISO 6605
- DIN - 20024
- JB/T7033-20017
- ISO 1402
- ISO 1219-1
- JBJ 8785

Proof testing up to 6 hoses 1000 BAR



- SAE J343 - ISO 6803 - ISO 6605
- ISO 6772
- ISO 8032 (Half Omega)
- SAE J1405 - ISO 6802 (Omega)

Flex-impulse testing up to 700 BAR @ 150°C



- SAE J343
- ISO 1402
- DIN - 20024
- JBJ 8785

Burst testing up to 4000 BAR

Thorburn Custom Built Rubber Flexpipe Model 60TMH



Applications

- Ship to shore loading/unloading
- Tanks farm ground settling
- Slurry Handling
- Pump Suction & Discharge
- Pipeline thermal & mechanical movement
- Mobile Barge loading/unloading
- Floater hoses
- Water, acid & chemical suction and discharge

Features

- Resists electrolysis, extreme corrosion, abrasion and water hammering
- Absorb severe noise and vibration
- Accommodates misalignment & lateral deflection
- Smooth or corrugated tube & cover
- Available with ceramic lining, UHMW, PTFE/FEP and other various elastomers
- End joints include flanged, sleeve, crimped, field attachable & built in



Sand & Gravel Dredging



Slurry Pumps



Unloading Terminals

THORFLEX Polypropylene & PTFE Composite Hose Assemblies



Flexible & Lightweight for Ease of Handling

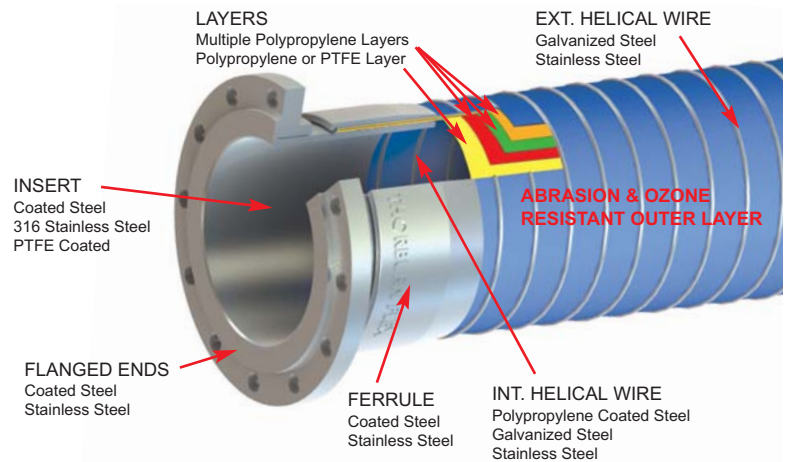
- Light and easy to handle, extremely low temperature flexing
- Chemically compatible with acids, alkalis & chlorinated hydrocarbons
- Double end-to-end electrical continuity
- Resists dragging wear and abrasion
- Full Vacuum to 14 bar (200 psi) – All sizes
- Size range – 40mm to 300mm
- Complies with Canadian Coast Guard Specifications, US Coast Guard regulations: 33CFR Sections 154.500 & 154.810, British Standard BS5842 (1980), CRN Available for all Canadian Provinces

Applications

- Chemical Plants
- Oil Refineries
- Marine Terminals
- Chemical Haulers

Ideal Hose for Handling:

- Corrosive Acids & Alkalis
- Sulphuric Acid
- Chlorinated hydrocarbons
- Aldehydes
- Amines
- Aromatic fuels
- Aliphatic
- Alcohols & Esters
- Keytones
- Lacquers



Thorburn High Pressure Lay Flat Hose Assemblies



- Standard Sizes:** DN 25 to DN 300 Available up to DN 400
- Standard Pressures:** 10 bar (20 bar for DN100 & DN 150)
- 4:1 Safety factor on all sizes
- Temperature:** -50°C (-58°F) to 80°C (176°F)
- Maximum Continuous Length:** 200 m (656 ft)
- Construction:** Smooth TPU (Thermoplastic polyurethane) reinforced with high tensile calendered polyester
- Ends:** Victaulic groove style, 316SS or anodized aluminum

Features

- Ideal for uneven rocky terrains, oil spills and deep wells.
- Minimal pressure loss & low friction
- Excellent abrasion and chemical resistance
- Transfers large volume of liquid
- Terrain friendly, follows ground contours
- Easy to clean

Applications

- Construction & hydraulic fracturing
- Oil & gas
- Compatible with potable water
- Waste water, irrigation and sludge disposal



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 1-800-363-6613
 (Toll Free North America)



ISCIR Romania | CNCAN Romania | EN 13480-2002 | HAF 604 China | TSG China

Chemical Suction & Discharge Rubber Hose Assemblies



Features

- Available in sizes 6mm up to 3600mm
- Continuous lengths of 30m
- Meets ASME B31.1, B31.3 & CRN in all provinces
- Annular corrugated for maximum cycle life
- Pressures from full vacuum to 400 bar
- Total in-house design manufacturing & testing

Liners

- UHMWPE (Ultra-High Molecular Weight Polyethylene),
- XLPE (Cross Link Polyethylene),
- PTFE (Polytetrafluorethylene),
- FEP (Fluorinated Ethylene Propylene),
- EPDM (Ethylene Propylene Diene Monomer),
- CSM (Chlorosulphonated Polyethylene),
- FKM (Fluorine Kautschuk Material)

Thorburn Metallic Braided Hose Assemblies



Specifications

Hose Core: SS321, SS316, C276, Inconel 625, Monel 400, Bronze
Braided Reinforcement: SS304, SS316, Bronze
Sizes: 6mm (1/4") to 750mm (30"), 4:1 safety over design pressures

Applications

- Natural gas
- Anhydrous ammonia
- Methane
- Propane
- Sour gas
- Steam transfer

Fabrication & Certification

- Welders and welding procedures: ASME Section IX, VIII, B31.1, B31.3, Section III NPT, PED Module H 97/23/EC
- Hose Assemblies Degreased, Cleaned for Oxygen/Chlorine Service
- Hydrostatically tested to 1.5X design pressure

Thorburn Jacketed Steam Hose Assemblies

