

HVAC PRODUCT CARD

We offer superior customer service, competitive pricing, and lead times that exceed expectations. Since 1977, we remain the leading global manufacturer that provides standard and custom fabricated solutions to a diverse customer base.

- Custom and OEM fabricated products
- 40,000 square foot manufacturing facility
- In-house cleaning service for industrial gases
- Average production of 12,000 assemblies per month
- Extensive inventory of raw materials and stock products
- All products fabricated at our facility are 100% leak tested
- Knowledgeable and responsive customer service and sales team
- Third party verifications UL Classified, UL Listed, and CRN approved

PUMP CONNECTORS AND REDUCING METAL HOSE ASSEMBLIES



In-Stock, Ready to Ship!

Sizes: ¼" I.D. through 24" I.D.

End Fittings: Weld, Sweat, Flange, Groove, and Male NPT

Material: Stainless Steel Hose and Braid, or Bronze Hose and Braid

* Custom sizes available

SEISMIC V AND U CONNECTORS

Sizes: Standard ½" I.D. through 18" I.D.

End Fittings: Weld, Flange, Groove, Sweat, Male NPT

Material: Stainless Steel Hose and Braid, or Bronze Hose and Braid

* Custom sizes and fittings available



Ports and hangers available



RUBBER EXPANSION JOINTS

Sizes: ¾" I.D. through 30" I.D.

Common Elastomers Include:

Neoprene, EPDM, Nitrile and Chlorobutyl

- Temperatures 20°F to 250°F
- Molded and Spool Type

* Custom sizes and materials available



METAL EXPANSION JOINTS

Sizes: 2" I.D. through 36" I.D.

End Fittings: Weld, Floating Flanges, Specialty and Custom Flanges available

Material: 304, 321, and 316 Stainless Steel

Liners and Covers are available

* Custom sizes and materials available



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CUSTOM FABRICATION

TCH specializes in servicing customers who need custom fabricated products for their complicated projects. Fabricated support skids, manifolds, flexible metal hose and expansion joints are just a sampling of the types of products that we can build.

- Product cleaning is available
- Large inventory of materials
- Fabrications and welding completed at TCH
- All custom parts and products are 100% leak tested



EXPANSION COMPENSATORS

Sizes: ¾" I.D. through 4" I.D.

End Fittings: Groove, Weld, Male NPT, Flange, Sweat

Movement: 1 ¾" Compression and ¼" Extension

Material: Multi-ply Series 300 Stainless Steel Bellows
Carbon Steel Shroud



EXTERNALLY PRESSURIZED EXPANSION JOINTS

Sizes: 2" I.D. through 24" I.D.

End Fittings: Groove, Weld, Flange

Movement: 4" Compression and ¾" Extension (short)
or 8" Compression and 1 ½" Extension (long)

Material: Multi-ply T-304 Stainless Steel Bellows
Carbon Steel Shroud



Available Design Pressures: 150# and 300#

PIPE GUIDES / MULTI-PLY BELLOW PUMP CONNECTORS

Sizes: ½" I.D. through 24" I.D.

Movement: Axial movement 4", 8" and 12"

Material: Constructed of Carbon Steel
and Coated with Shop Primer Protection

Types: Spider, Insulated, PTFE Slide, Baseboard



Sizes: 2" I.D. through 16" I.D.

End Fittings: 150# Carbon Steel Flanges

Material: Constructed with Series
300 Stainless Steel Multi-Ply Bellows



ACCESSORY ADAPTERS / PTFE EXPANSION JOINTS

Sizes: 2 ½" I.D. through 12" I.D.

End Fittings: Flange, Male NPT, Weld, and Groove

Material: Carbon Steel and Stainless Steel
Straight and Reducing

* Custom sizes and configurations available



Sizes: 1" I.D. through 12" I.D.

Styles: 2, 3, and 5

Convolutions

Material: Molded PTFE



APPROVALS AND CERTIFICATIONS

UL CLASSIFIED LEAD-FREE FLEX™

Sizes: ½" I.D. through 12" I.D.

End Fittings: Weld, Sweat, Flange, Groove, and Male NPT available in Carbon Steel, Stainless Steel and Copper

Material: Stainless Steel Hose and Braid, or Bronze Hose and Braid



Lead-Free Flex™



Movement Available:

2", 3", 4", and 6"



CRN (CANADA) PRODUCTS

Sizes: ¼" I.D. through 12" I.D.

Movement: Up to 10" of movement for V and U flex connectors

End Fittings: Weld, Sweat, RFSO Flange, and Male NPT

OAL: Straight assemblies any overall length

Material: Bronze Hose and Braid with Copper End Fittings or Stainless Steel Hose and Braid with Carbon Steel End Fittings



CRN Approved for:

Manitoba, Ontario, Alberta, British Columbia, Québec and Saskatchewan.

