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

MANUFACTURING AND QUALITY CONTROL

By request, TCH can offer adherence to ASME B31.3 manufacturing specifications
ASME certified welders
MTR and Testing certificates
Manufacturing and quality control in accordance with ASME B31.3

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

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
HVAC PRODUCT CARD

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
* Dual and custom movements available

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

OEM

ACCESSORY ADAPTERS     PTFE EXPANSION JOINTS
PIPE GUIDES     MULTI-PLY BELLOW PUMP CONNECTORS
EXPANSION COMPENSATORS
EXTERNALLY PRESSURIZED EXPANSION JOINTS
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

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

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
* Dual and custom movements available

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

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

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

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

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
* Dual and custom movements available

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

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

Movement Available:
2”, 3”, 4”, and 6”

30” Max OAL

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.