

# 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

## 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

MANUFACTURING 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

**BUY**   
**AMERICAN**  
**ACT COMPLIANT**

## 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



# 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



**Available Design Pressures:** 150# and 300#

\* 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



# 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.

