

# ENGINEERING SPECIFICATIONS

## UL CLASSIFIED NSF 61/NSF 372 WATER QUALITY LEAD-FREE FLEX™ STRAIGHT FLEXIBLE CONNECTORS

When indicated, for potable water, use flexible metal braided connectors of the size up to 12" I.D. shall be UL® Classified Water Quality NSF 61 and NSF 372.

Flexible metal braided connector assemblies can be used on pumps, equipment and coil connections as indicated in the specifications, drawings and equipment schedules.

Flexible metal braided connectors can also be used where flexible connectors are specified on equipment that will operate at temperatures above 210°F.

Flexible metal braided connectors must be installed in a straight line without offsets or twists. Support pipe without any load on flexible connectors.

Connectors for pipe sizes up to 2" I.D. will have threaded ends, and connectors for pipe sizes 2-1/2" I.D. or larger will be flanged. Connectors for copper piping will have female copper tube ends.

Utilize connectors of 300 Series stainless steel corrugated hose and braid and carbon steel Male NPT or 150# flange end fittings for connection to steel piping. Female connectors to be installed on copper piping should be constructed of bronze hose and braid with copper end connections. Stainless steel and bronze flexible connectors shall meet the Buy American Act.

Stainless steel braided connectors will be TCH Series:

- UL-TCHS-MMT (Male NPT)
- UL-TCHS-FLG (Carbon Steel 150# Plate Flanges)
- UL-TCHS-GR (Schedule 40 Carbon Steel Grooved Fittings)
- UL-TCHS-GRPF (Schedule 40 Carbon Steel Fitting by 150# Carbon Steel Plate Flange)
- UL-TCHS-SMMT (Stainless Steel Male NPT)
- UL-TCHS-SFLG (Stainless Steel 150# Plate Flanges)
- UL-TCHS-SGR (Schedule 40 Stainless Steel Grooved Fittings)
- UL-TCHS-SGRSPF (Schedule 40 Stainless Steel Fitting by 150# Stainless Steel Plate Flange)

Bronze braided connectors will be TCH Series:

- UL-TCHB-FFSC (Copper Female Sweat Ends)