One Extreme...

To The Other

The New T&B High/Low-Temperature Liquidtight System

Beats the Heat and Handles the Cold

PATENT PENDING
Hot or Cold, T&B Makes the Perfect Liquidtight Fitting to Handle the Job.

- **Sure-Tight™ Gland** deflects water away from connector and prevents “pooling” of moisture. Look for the distinctive “Pumpkin” appearance of the gland nut.
- **Self-Cleaning Threads** inside gland nut keep dirt and grime out of the threads as you tighten.
- **Double Beveled Sealing Ring** is designed with five unique sealing mechanisms and cannot be installed backwards. Manufactured of high temperature rated thermoplastic to demanding specifications.
- **Safe Edge™ Ground Cone** provides superior bonding, stronger pullout, easy threading and conductor protection. Look for the distinctive “ski slope” appearance within the “pumpkin” gland nut.
- **Double Plating** for superior corrosion protection; Zinc plating with clear Chromate finish.
- **Precision Rolled Threads** provide smooth, easy installations and are stronger than cut threads. The body is drawn steel for exceptional strength and quality.
- **Case-Hardened Locknut with Teeth** provides superior strength and electrical bonding and can be installed without a wrench in the enclosure.

The exclusive design features of the popular T&B Liquidtight Fitting now include a high temperature version, perfect for demanding environments.

**T&B HT Series** Liquidtight Fittings are available straight, 45° and 90°.

Trust only the 52™ and 53™ Series Liquidtight Fittings by Thomas & Betts in your next installation.
The Perfect Combination for Extreme Liquidtight Applications

Specify T&B’s new ATX Flexible Metal Conduit to use with T&B HT-Series Liquidtight Fittings in excessive temperature range applications such as industrial ovens, boilers and furnaces, kilns, heavy machinery or sub-zero environments.

T&B’s ATX Flexible Metal Conduit Conduit designed to withstand an extreme temperature range

Construction:
Utilizes the flexibility of a standard core, coupled with the advantage of a thermoplastic rubber jacket that is virtually unaffected by temperature extremes and contains no halogens. The material has a flammability rating of UL 94-HB.

Application:
Used in situations where concerns of resistance to temperature exposure exist. These include heavy outdoor equipment, boilers and furnaces, and sub-zero areas.

Standard Color: Black
Working Temperature:
-60°C to 150°C intermittently to 165°C

Revolver® Grounding Fitting saves time and money using our infinitely adjustable rotating ground lug. Simply align the lug in your preferred position and tighten the gland. You’ll never need to worry about tightening it into an inconvenient position again.

The T&B High/Low-Temperature Liquidtight System suits the demanding conditions of food processing plants and transportation applications.
**High Temperature Flexible Metal Liquidtight Fittings**

Where liquidtight flexible metal fittings are required in high temperature environments up to 150°C:

- Fitting’s body, gland, locknut and ground cone shall be constructed from steel or malleable iron, electro-zinc plated and chromate coated for corrosion protection.
- Fitting’s sealing ring and throat insulator will be molded from high temperature nylon suitable for temperatures up to 150°C and a minimum UL flammability rating of UL94-V2.
- The fitting shall be constructed to accept high temperature flexible metal liquidtight conduit rated to 150°C.
- The fitting shall have a plastic throat insulator to protect conductors.
- The fitting shall have a steel ground cone to:
  - provide high quality ground contact
  - single helical thread for easy installation into conduit
  - rolled over edge to protect conductors
- The fitting shall have a plastic sealing ring to:
  - grip and seal at leading and trailing edge (double bevel up to 2”) of conduit jacket
  - provide a watertight/oiltight seal
- The fittings shall be capable to terminate the conduit in either a threaded or threadless opening.
  - For applications where termination into a threaded opening is required the fitting shall have external tapered NPT threads.
  - For applications where termination into a threadless opening is required use an acceptable sealing ring.
- Fittings shall conform to UL 514B.
- Accepted Manufacturers: Thomas & Betts - 5331-HT straight series, 5341-HT 45° series, 5351-HT 90° series; 5262 sealing ring series

**Standard Materials / Finish**

**Fittings**
- Body, Gland, Locknut, Ground Cones: All Steel or Malleable Iron
- Sealing Ring and Insulator: High Temperature Plated Thermoplastic
- Exterior and Interior Finish: Zinc Plating with Clear Chromate

**Conforms to UL Std. 514B**
- Suitable for Wet Locations

**ATX Conduit**
- Thermoplastic Rubber
- Flammability Rating to UL File F44-HB
- Suitable for extreme temperature range -60°C to +150°C

**Suggested Specifications**