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PRODUCT BROCHURE

T&B Liquidtight Systems[®] metallic liquid-tight fittings



The features you need. The performance each job demands.



Flexible conduit is used in a wide variety of challenging environments. You need fittings to match. That's why ABB offers five different liquid-tight lines. We have improved our stainless steel offering with a redesign and material upgrade. The stainless steel fitting is now manufactured from type 316 stainless steel. We also offer an option with a stainless steel ground cone for superior corrosion resistance. This is ideal for any industrial MRO or OEM application where high performance is required, such as food and beverage, wastewater and chemical processing.

Each T&B Liquidtight Systems fitting is designed to exceed expectations, whether you need protection against liquid ingress, corrosive conditions or extreme temperatures. All are designed for easy installation and worry-free connections.



Choose the right liquid-tight solution.



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- 01 Steel
- 02 316 Stainless steel
- 03 High-temperature
- 04 Aluminum
- 05 Steel Quick-Connect™

Steel

For liquid- and dust-tight connections between liquid-tight flexible metal conduit and a box or an enclosure.

- Size range: ¼" to 6"
- Styles: Straight, 45°, 90°
- Insulated and non-insulated
- External bonding: Available in most sizes and styles

316 Stainless steel

All the features of T&B Liquidtight Systems fittings — with superior corrosion resistance

- Size range: ¾" to 2"
- Styles: Straight, 45°, 90°
- Insulated only
- Dura-Plate® steel ground cone or stainless steel ground cone available

High-temperature

Designed for extreme temperatures up to 150 °C

- Size range: ¾" to 4", straight
¾" to 2", 45° & 90°
- Styles: Straight, 45°, 90°
- Insulated only

Aluminum

The strong, yet lightweight solution for a corrosive environment.

- Size range: ¾" to 4", straight
¾" to 2", 90°
- Styles: Straight, 90°
- External bonding: Available in ¾" to 1"
- Non-insulated only

Steel Quick-Connect™

Innovative labor-saving design. No disassembly required.

- Size range: ¾" to 1"
- Styles: Straight, 45°, 90°
- Insulated and non-insulated

Applications

Chemical processing, civil infrastructure, data centers, food and beverage, metals and mining, oil and gas, panel builders and system integrators, power generation, rail, pulp and paper, renewable energy, water/wastewater treatment

Solutions

Corrosion and harsh environment protection, continuous operation and sustainability, extreme temperature protection, grounding and bonding, liquid ingress protection, SKU reduction

The T&B Liquidtight Systems difference

Double-beveled sealing ring

- Soft, pliable material to ensure ease of slipping on conduit during installation
- Provides a custom conformity around conduit
- Reversible for easy installation
- Look for the blue color, ensuring the highest-quality fitting

Gland nut

- “Umbrella” design pushes liquids away from the box (no pooling)
- Serrated threads provide fail-safe for water to escape
- Double plated for extra corrosion protection
- Self-cleaning threads
- 7 threads to ensure strength

SAFE EDGE® ground cone

- “Edge” provides great contact between the fitting and the convolutions of the conduit
- Provides superior bonding and pull-out strength
- Ideal for the “not-so-perfect” cut of liquid-tight conduit
- Reusable construction

Rolled threads of engagement

- Rolled threads are stronger than formed threads
- Rolling eliminates burrs, making installation faster and easier
- Plenty of threads make the connection to the gland nut or locknut more secure
- Drawn steel body
- Heat-curved insulator — will not fall out; not glued in, provides less friction for wire pull

Liquid-tight sealing gasket

- 316 stainless steel ring provides corrosion protection and prevents elongation
- Filled with TPE (thermoplastic elastomer) to provide a higher temperature rating and better chemical resistance compared to other sealing gaskets
- Look for the signature blue color

Heat-curved insulator

- Excellent wire protection
- Easier glide of conductors
- More strength than glued-in insulators
- Will not fall out

Externally bonded fitting

- Used where external bonding jumper is required around liquid-tight flexible metal conduit
- Used to positively bond conduit to box or enclosure
- Used where flexible raceway is installed in indoor and outdoor locations where exposed to continuous or intermittent moisture

Case-hardened locknut

- Case hardening provides superior strength
- Sharp teeth bite through paint and finish to create a superior bond
- Teeth prevent locknut from “spinning” if tightening from the fitting body

— Pictured here is the steel Quick-Connect™ version of the gland nut and sealing ring. Orange color signifies push-in feature.

— Pictured here is the steel Quick-Connect™ version of the ground cone.

Superior resistance, ABB design.

The 316 stainless steel liquid-tight fitting features the familiar dome-shaped gland nut unique to T&B Liquidtight Systems. Now you have superior corrosion resistance with the quality and performance you have come to expect from ABB.





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