NTS®-TT
Safety Breakaway Couplings for cryogenic applications at temperatures down to -382°F / -230°C

www.arta-us.com
NTS®-TT Safety Breakaway Couplings

The ARTA NTS®-TT is the Emergency Breakaway Coupling for cryogenic applications down to -382°F/-230°C.

Areas of use
The ARTA NTS®-TT is a Safety Breakaway Coupling with cable control (short NTS®-TT). It serves as an engineered breakpoint in flexible hose lines or loading arms conveying cryogenic gases or liquids, such as:
- LNG
- Liquid-Oxygen
- Ethylene
- Propylene
- Ethane etc.

Self-closing valves on both ends prevent spills, while the breakpoint function protects the transfer system against damage during loading or discharge. Any unintended movement of tank trucks, railcars, barges or ships results in a controlled and safe separation.

Advantages of the NTS®-TT
- Protection of operators, equipment and environment
- Easy to reconnect without tools or spare parts (no break studs)
- Non-destructive separation design
- Proven under severe service conditions
- Operates independently from the line pressure
- Fully functional even under ice build-up

Technical Specifications:

<table>
<thead>
<tr>
<th>Sizes:</th>
<th>1&quot;- 6&quot;(DN25 - DN150)</th>
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</thead>
<tbody>
<tr>
<td>Pressure Ratings:</td>
<td>Standard 290psi – 580psi (PN20 - PN40)</td>
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<td>Connections:</td>
<td>Threaded:</td>
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<tr>
<td></td>
<td>1&quot;- 4&quot; female NPT/BSP according to ANSI B 2.1, ISO228-G</td>
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<td>Flanged:</td>
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<td></td>
<td>1&quot;- 6&quot; (DN50-DN150) according to ANSI B 16.5, EN 1092-1</td>
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Body Materials: Stainless Steel

Sealing Materials: Cryo Sealing

Approvals: • CE Certification
            • ATEX
            • TUV
            • TA air (European Clean Air Act)

Applications
- Container discharge
- Fuel bunkering
- Loading / unloading of tank trucks, rail tankers and ship tankers
- Vapor recovery line
- Fueling of Ferries and Ships