

# INDUSTRY

# ARTA

More than stainless steel.



Source: Shutterstock

## NTS<sup>®</sup>-PI

### Emergency Safety Breakaway Coupling

For non destructive protection  
straight pull-away incidents  
as gas- and liquid



## NTS<sup>®</sup>-PI Emergency Safety Breakaway Coupling

### Design of the ARTA NTS<sup>®</sup>-PI

Both sides of the emergency breakaway coupling are equipped with self activating check valves; the two halves are held together by a fast-connecting mechanism.

### Function

The separation is primarily triggered by a straight pull force to the hose or loading arm. Additionally, an excessive pressure surge can also result in a controlled separation of the emergency NTS<sup>®</sup>. The spill preventing closure of the valves on both ends is self-activating and does not require external energy.

After a pull-away, the non-destructive separation allows for an easy reassembly without expensive replacement pins.

### Technical Specifications:

<b>Sizes:</b>	1", 2", 3" and 4" (DN 25, DN 50, DN 80 and DN 100)
<b>Pressure Ratings:</b>	232psi (PN16) and 360psi (PN25)
<b>Connections:</b>	<b>Threaded or Flanged:</b> 1"- 4"
<b>Body Materials:</b>	<b>Fuels:</b> Brass, Aluminium <b>Chemicals:</b> Stainless Steel <b>Corrosive Media:</b> Special alloys
<b>Sealing Materials:</b>	<ul style="list-style-type: none"> <li>• Perfluorelastomers (e.g. Viton)</li> <li>• PFE (Perfluorelastomers e.g. Chemraz)</li> </ul>
<b>Triggering Mechanisms:</b>	Straight pull force +/- 30°
<b>Options:</b>	a) valve for one half only b) no valves
<b>Approvals:</b>	<ul style="list-style-type: none"> <li>• TUV</li> <li>• WHG § 19</li> <li>• CE</li> </ul> Equivalent to the European Clean Air Act (TA Luft)

