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ARTA

more than stainless steel

NTS®

Emergency
Safety Breakaway
with Cable Release

NTS®-Emergency Safety Breakaway with Cable Release

Advantages:

The NTS®- Emergency Release Coupling range protects personnel and the environment. The non-destructive design guarantees a fast and controlled separation of pipelines, hoses and loading arms should a road tanker, rail car, aircraft or barge/ship move inadvertently during the loading or unloading process. Our complete range of Emergency release couplings are designed to be easily re-assembled after an emergency separation with no need for special tooling or replacement of shear pins.

Areas of Application:

NTS® should be used when transferring fluids or Gasses in Marine, Chemical, Pharmaceutical and Food applications. Customized designs are possible on request.
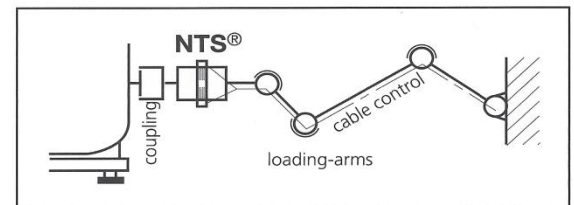
Structure and Function:

The NTS® Cable release system consists of two non-return valves that prevent product loss in case of emergency separation. Segments and a slide ring hold both sides together. Separation occurs by mean of levers using a SST Cable that is actuated automatically when the hose or pipeline moves out of it's safe working envelope, optionally, the system can also be actuated via a manual lever. When the cable is actuated the two body halves separate and the spring loaded valves close each line ensuring product is contained.
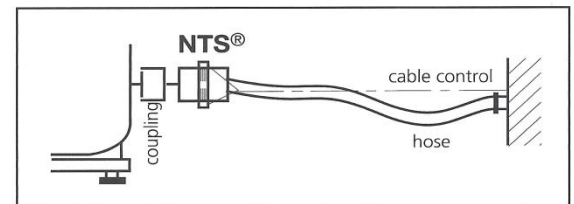
Technical Specifications:

Sizes:	1" up to 12"
Pressure ratings:	(PN16) 232 psi, 4"-12" (PN25) 363 psi, 1"-3" (PN40) 580 psi, 1"-3"
Connections:	Threaded: BSP, NPT, ISO Flanged: ANSI, ASME, ISO, DIN
Temperature ratings:	-40°C up to +90°C
Body material:	Stainless Steel 304, 316 Stainless Steel 304, 316 with PTFE inliner Hasteloy and others on request
Seal material:	Viton, PFE
Approvals:	TUV, CE, AbZ
Accessories:	Proximity switch, pre-alert switch, manual release unit, pneumatic release unit, hydraulic release unit, remote control release unit

Examples of installations for tank-truck and rail-tank-car:

Sample for Loading-Arm

Sample for Hose Application

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