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TODO NGX Marine BreakAway Couplings

Our TODO NGX Marine BreakAway Coupling has been innovatively designed to prevent spillages and equipment damage aboard ships during the unloading and loading of dangerous substances and liquids.

Their unrivalled working temperature range makes them able to withstand any challenges in the field, making them a safe, reliable solution to your application needs. Much like its NGX BreakAway counterpart, it guarantees efficient and secure transfer, but with the added benefit of resistance to tidal motion.

Technical Information:

- ✓ **Working Temperature Range:** -20 to +80°C (-4 to +176°F)
- ✓ **Max. Working Pressure:** up to 40 bar (580 psi)
- ✓ **Product Test Pressure:** up to 60 bar (870 psi)
- ✓ **Available Sizes:** 4" (DN100)
- ✓ **Threads:** BSP (according to ISO 228), NPT (according to ANSI B1.20.1), other available upon request
- ✓ **Flanges:** PN10/16 (according to EN 1092-1), PN25/40 (according to EN 1092-1), ANSI Class 150 (according to ANSI B16.5), ANSI Class 300 (according to ANSI B16.5), others available upon request
- ✓ **Materials:** Stainless steel only
- ✓ **O-ring Grades:** Nitrile (NBR or Burns), Viton (FKM), EPDM, Kalrez (FFKM), FMVQ, Chemraz (FFKM)

Low-Pressure
Drop

High Flow
Rate

Unmatched
Reliability

Durable
Construction

Applications

Our NGX Marine BreakAway Couplings have been designed specifically for the offshore sector to provide safety and reliability when unloading or loading dangerous products onto ships. They have gone through thorough testing with registered bodies such as the American Bureau of Shipping to ensure they are able to withstand harsh conditions with ease.



Loading or unloading dangerous products onto ships



Features & Benefits

No External Power Source Needed

This allows it to operate independently, even off shut-off safety systems. It also means that your NGX Couplings are quick and easy to reset on site, minimising any disruptions to your operations.

High Flow Rate & Low-Pressure Drop

This allows them to maximise the efficiency of your operations whilst still promoting safety and reliability every step of the way.

Innovative Design

Built using unrivalled technology, these couplings are designed to resist axial forces found at sea, making them able to withstand tidal motion and ensures reliability even under challenging conditions.

Guaranteed Safe Operation

Our NGX Marine BreakAway Couplings will only disconnect if there is excessive straight pull-load. Once this has been detected, the coupler shuts the valves to minimise any potential damage when loading or offloading hazardous substances.

