



www.drycouplings.com

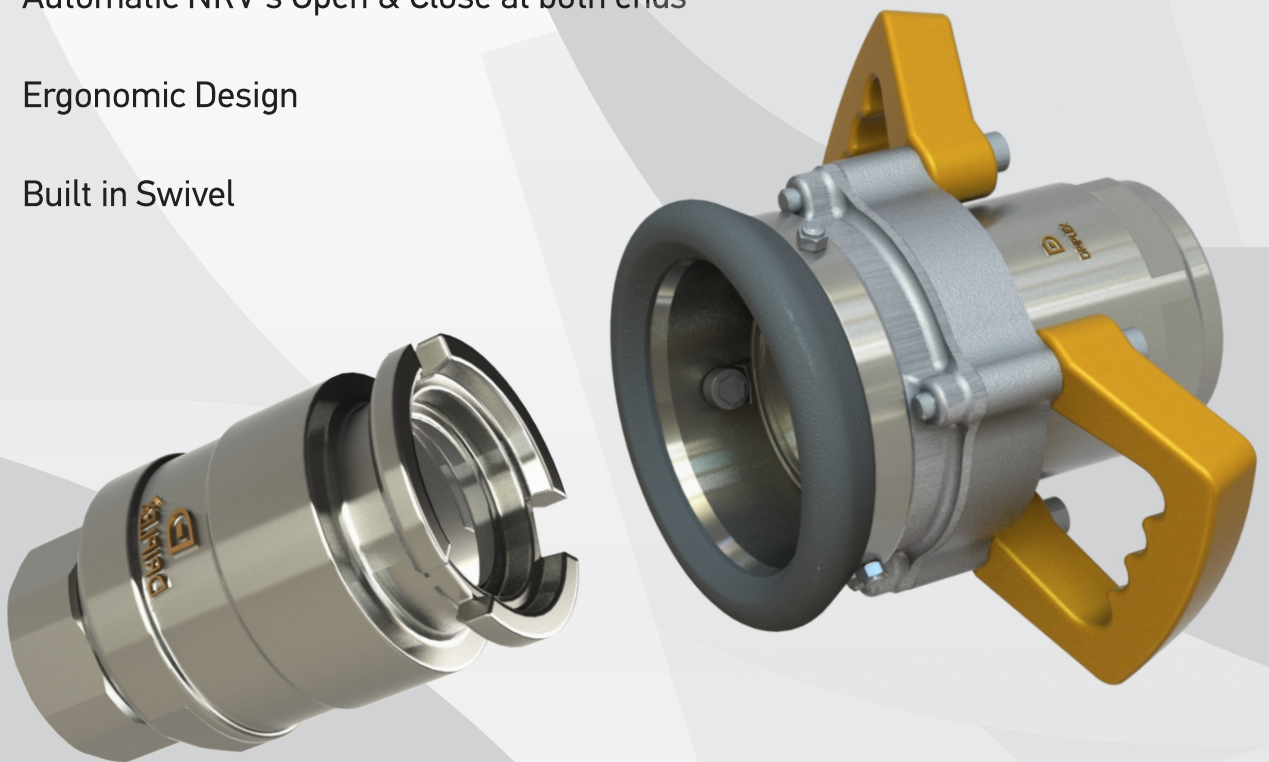


Driplex engineering is part of a group which has a proud 60 year legacy in the field of engineering within the fluid transfer industry. We have the expertise and commitment to manufacture the perfectly engineered Drybreak Coupling & BreakAway Coupling

Driplex Drybreak Couplings are an internationally recognised and preferred hose/loading arm connection mechanism which acts as an NRV to seal off both the hose/loading arm and the fixed pipeline end after disconnection.

Our couplings are robustly designed and immaculately engineered for applications ranging from water, oil to extremely aggressive chemicals and gasses.

- Single Operation Couplings
- Automatic NRV's Open & Close at both ends
- Ergonomic Design
- Built in Swivel



Interchangeable with other Makes •

Ready Stock •

Quick & Easy to Operate •

Low Maintenance •



Pressure Equipment Directive
DGRL 2014/68/EU (Category I and II)
ATEX Product Directive 2014/34/EU



Driplex Drybreak Couplings are categorically required when your service media is:

- ▶ Unsafe for the environment and human personnel around
- ▶ Expensive
- ▶ Difficult to clean in case of leakages

How It Works

Attached on the
Hose/Loading Arm,
also known as :
Coupler or
Female Coupling



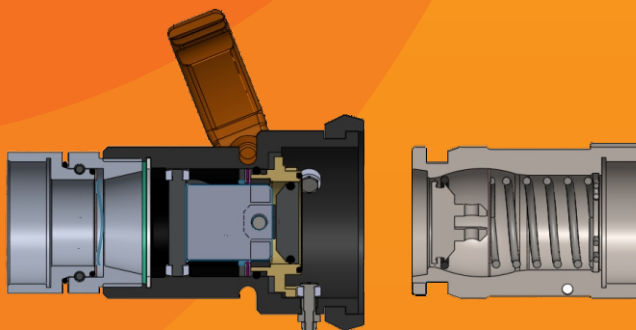
Hose Unit



Tank Unit

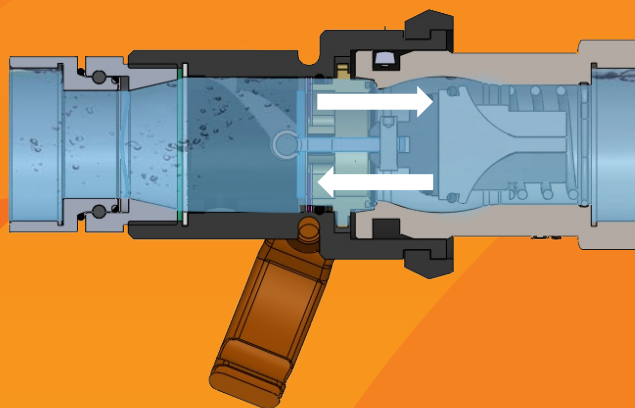
Attached on the
Manifold,
also known as :
Adaptor or
Male Coupling

Before Operation



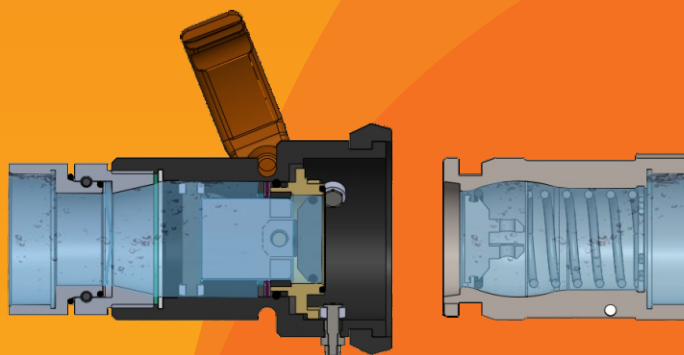
During Operation

Flow can be in
Any Direction



After Operation

Automatic
Sealing on
Disconnection



Driplex Drybreak Coupling (DDC)

Specially designed couplings for transfer of liquids including Oil, Water, Organic & Inorganic chemicals.

Size Range : ¾ inch to 6 inch

Material of Couplings : Stainless Steel, Aluminium, Bronze and Hastelloy (C276)

Seals : FKM (Viton®), NBR (Nitrile), EPDM, Chemraz®, Kalrez®.

End Connections : Threaded – BSP, NPT, ISO
Flange – ANSI, ASME, ISO, DIN, TTMA

Working Pressure : PN10-PN25

Safety Factor : 5:1

Compatibility : NATO STANAG 3756.

Standard : As per EN 13480 & EN 13445



Viton® and Kalrez® is registered trademarks of DuPont Performance Elastomers.
Chemraz® is a registered trademark of Green-Tweed.

Industrial Safety BreakAway Couplings

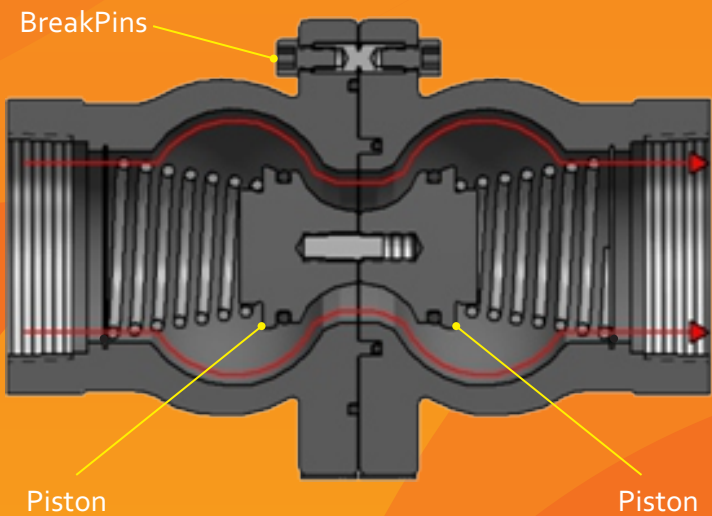
DRIPLEX provides safety solutions to suit Loading Arms and Hoses when subjected to unwarranted load caused by drive away and pull incidents. The DRIPLEX Industrial Safety BreakAway couplings are engineered to prevent and reduced spillage.

Breakaway's act as the weakest link in the transfer system. Hence before the hose gets ruptured or the loading arms break these couplings Break stopping the flow of the service media. This eliminates the risk of spillages or any other major accidents.



Technical Data:

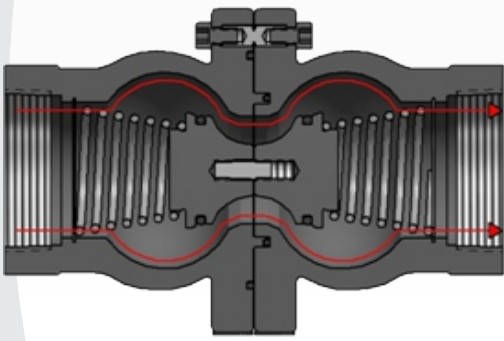
- Size Range : 2" to 12"
- Material of Couplings : Stainless Steel, Aluminum, Hastelloy or any other material on request.
- Seals : FKM, NBR (Nitrile), EPDM or any other fluoroelastomer material on request.
- End Connection : Threaded - BSP, NPT, ISO Flange - ANSI, ASME, ISO, DIN, TTMA
- Working Pressure : up to 40 Bar
- Test Pressure : 60 Bar each coupling half.
- Temperature Range : -20⁰ C to +80⁰ C



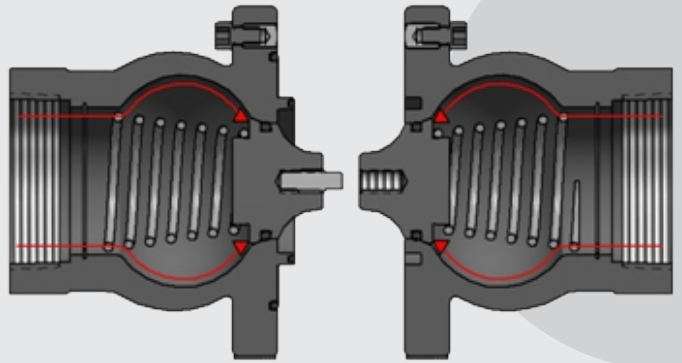
The DRIPLEX Break-Away is a high-performance safety product, provide the best flow rate, easily handled, lightweight and smaller design.



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Flow position under normal operation:
The coupling consists of two halves, each with a valve (piston) which is open.



Break position during an incident:
During separation the pin break and the spring-loaded valves (pistons) instantly close and the flow is stops.

Under normal circumstances the BreakAway is in Flow position and the liquid or gas can transfer smoothly. The male and female couplings are sealed from the pistons ensuring no leakages.

When there is a sudden excessive load on the couplings due to a pull or a drive away incident the break pins break. These break pins are designed to break at a pre calculated load.

Once the break pins break the coupling male and female isolate, instantaneously the valves (pistons) on the couplings close due to the spring. This leads to stoppage of the flow path for the media with minimal spillage.

DRIPLEX BreakAways can be easily reset with a new set of break pins and o-rings need to be changed.



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