

DryBreak Coupling

OUR SOLUTION TO POLLUTION

JRE is proud to announce its latest contribution to the Indian Manufacturing Industry – DRYBREAK COUPLING.

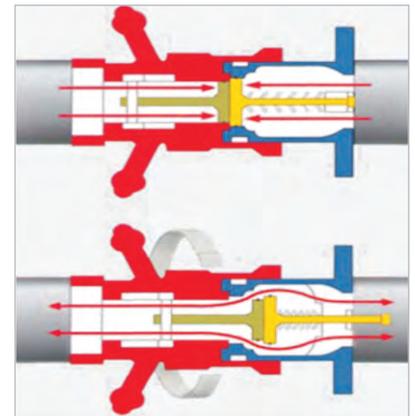
A DryBreak Coupling is an internationally preferred hose connection device which provides an automatic mechanism to seal off both the hose and the fixed pipe end when the hose is disconnected.

DryBreak coupling is a safer, environmentally responsible and technologically advanced replacement for Quick Release and Camlock Coupling.



How does a DryBreak Coupling work?

- This coupling simply works by turning the hose unit 15-degree clockwise locking the units together.
- The valves are still closed and are not opened until a further rotation has been performed and then the product flow is guaranteed.
- The rotary action forces the internals of the hose unit forward, opening the tank unit. Once coupled, transfer of product is possible.
- On disconnection both the hose and tank units close automatically and spill free disconnection is achieved



Why DryBreak Coupling work?

Easier To Operate

- Integrated 360 degree swivel.
- Simple single action operation – only handles to turn.
- Automated valve design.
- Disconnection & connection possible under pressure.

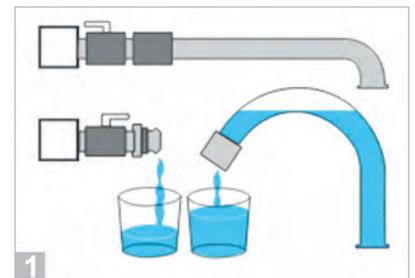
Higher Safety Standards – 'No Spill' Technology

- Mechanical interlock prevents accidental openings.
- Casting in SS 316 to ensure maximum strength.
- Automated valve design reduces the chances of human errors.
- Viton seals are a standard feature to increase life and safety of the product.

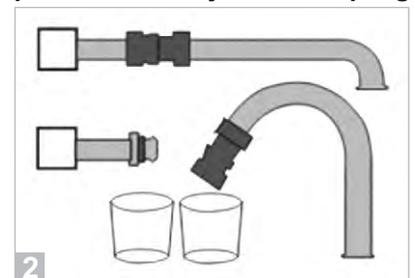
Better Flow

- Smooth bore and simple configuration of coupling results in minimal pressure drop.
- Ideal for high viscosity fluid transfers.

Operation without DryBreak Coupling



Operation with DryBreak Coupling



Frequently Asked Questions?

- What exactly is a DryBreak Coupling?
A DryBreak Coupling is a hose connection device which provides an automatic mechanism to seal off both the hose and the fixed pipe end when the hose is disconnected.
- What is a DryBreak Coupling Hose assembly?
This is a successor for the old age Quick Release and Camlock Coupling. These hose assemblies are technologically advanced which does not allow the transfer fluid to leak on disconnection, resulting into loss of liquid which adds to pollution.
- Where do we recommend to use DryBreak Coupling?
This coupling can be used most applications where the transfer where fluids are hazardous, toxic, corrosive or flammable. This off course includes bulk fluid transfer application such as loading and unloading of tank truck, rail road, special boats, bunkering and also you can use in Paint and Ink Industries.
- What is the material construction?
All wetted parts and body material are from SS 316 material, whereas Hose unit handle material is from SS 304. We can offer Aluminum subject to substantial quantity.
- What is the size range?
As of now we can offer 2", 2 1/2", 3" ad 4" with end connections female thread BSP/NPT or flange ends.
- What is the safety factor?
Safety factor is 4:1, as all our couplings are designed for working pressure 15 kg/cm², and hydro test pressure 21 kg/cm² and burst pressure 60 kg/cm².

LPG Application



Offshore Application



Chemical and POL Application



Lube Plant

