

DRY AVIATION COUPLINGS



The Dry Aviation Couplings are designed for use in aviation and military refuelling systems with a maximum working pressure of 10 bar (150 psi). Working temperature range lies within -38oC (-36oF) to +60oC (+140oF), observe that special low temperature seals are used in cold environments. This coupling is not configured for under wing refuelling.

According to ISO 45 / MS24484 / NATO STANAG 3105 / British Aerospace Specification 2C14

All units can also be used as bottom loading or primary points refuelling vehicles.

All units are manufactured to accept the international standard: 2½" the point bayonet, hose end refuelling nozzles, according to: ISO 45 / MS24484 / NATO STANAG 3105 / British Aerospace Specification 2C14.

The couplings consist of high strength aluminium body, coupling ring in gunmetal and bayonet flange and inner parts in stainless steel and aluminium. All wetted parts in aluminium and stainless steel.

Compatibility

ISO 45, MS24484, NATO STANAG 3105, British Aerospace Specification 2C14

Operation

The DACouplings include a bayonet-type connector and are flanged or threaded to suit installation requirements. Each tank unit contains a "fail safe" spring loaded valve seating on a tapered seat. The valve is controlled by the action of coupling and uncoupling the hose unit.

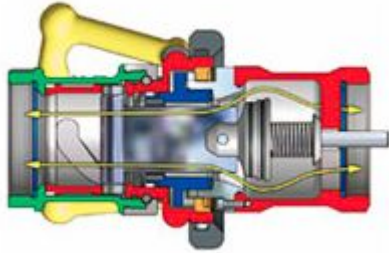
Advantages - Why use Dry Aviation Couplings

- Spill Free handling of hoses and loading arms for loading and unloading tank trucks, rail tankers and tank containers.
- Minimization of spillage and product loss keeps the environment free from Hazardous Vapors and Liquids.
- "Easy to Use" – design saves time Reliability and easy servicing saves your investment.
- ISO 45 2½" is compatible with existing aviation couplings according to STANAG 3105.
- Approvals according to the European Directives PED and ATEX and the international requirements ADR.

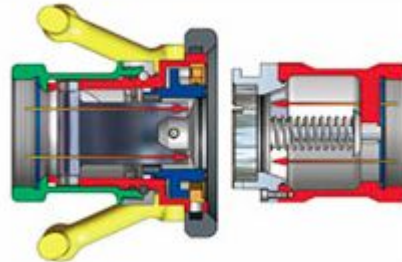
How Dry Aviation Coupling Works

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Dry Aviation Coupling function



To Connect
Push and turn
- It's coupled
- Full flow



To disconnect
Turn and pull
- It's realised
- No spillage

Dry Aviation Couplings - Selectivity

Selective units are fitted with setting rings. These have slots cut into them to match up with the corresponding pins on the selective sleeve on the hose unit. Care must be taken when reassembling such units to ensure that the ring is returned to its original position.

Filter Strainer



The Filter Strainer is designed to adapt on the DACoupling according to the ISO45 standard. The integrated view glass makes it easy to check when the filter has to be cleaned. Easy servicing is guaranteed by a new bayonet connection.

The Filter Strainers are available with 2½" BSP/NPT and 3" BSP/NPT connections. Sight flow indicator with male BSP thread screws into a ISO 45 Hose Unit with female threads. There are 3 different filter types, 45 mesh, 60 mesh and 100 mesh.