

DRY - DISCONNECT COUPLINGS and ADAPTERS

Dry-Disconnect couplings are used in the following industries: Petroleum, chemical, agricultural, transportation, marine operations, pharmaceuticals, tank farms and in-plant applications. These couplings are designed for quick and spill free connection and disconnection of hoses and pipelines. When you are moving fluids that are: expensive, hazardous to the environment, expensive to reprocess or dispose of, and prone to accident spillage/product then Dry disconnect couplings are a good solution to prevent problems. Principle of operation is identical for all sizes. To Open/Engage coupling and adapter push in and turn, it's coupled full flow. To Close/Disengage the coupling and adapter turn and pull, it's released with no spillage. These couplings are interchangeable with Avery Hardoll and Todo-matic.

Coupler x Female NPT Dry Disconnect



Adapter x F NPT Dry Disconnect



Female NPT Size	Coupler Part Numbers			Adapter Part Numbers		
	316SS Part #:	Brass Part #:	Aluminum Part #:	316SS Part #:	Brass Part #:	Aluminum Part #:
3/4"	DDC075SS	DDC075BR	DDC075AL	DDA075SS	DDA075BR	DDA075AL
1"	DDC100SS	DDC100BR	DDC100AL	DDA100SS	DDA100BR	DDA100AL
1-1/2"	DDC150SS	DDC150BR	DDC150AL	DDA150SS	DDA150BR	DDA150AL
2"	DDC200SS	DDC200BR	DDC200AL	DDA200SS	DDA200BR	DDA200AL
3"	DDC300SS	DDC300BR	DDC300AL	DDA300SS	DDA300BR	DDA300AL
4"	DDC400SS	DDC400BR	DDC400AL	DDA400SS	DDA400BR	DDA400AL

Coupler Properties

- Viton seals
- Coupler has built-in swivel
- Stainless steel ball bearings
- Shaft journal in SS embedded in PTFE to eliminate seizure
- Riveted piston pin to minimize the risk for failure under extreme pressure conditions
- Protecting ring is weather resistant rubber.
- Electrically conductive
- All wetted parts are stainless steel
- Rollers for the stainless steel couplings are hastelloy C276 on the stainless steel shaft
- Aluminum-Bronze on the stainless steel shaft
- Composite dust plugs are available for couplers

Adapter Properties

- Viton seals
- Typically installed on the tank or manifold
- Available in female NPT or 150lb. ASA flange
- Conical valve seat to eliminate the risk for "piston blow out"
- PTFE bearing between the piston shaft and the piston guide to eliminate the risk for seizure
- Aluminum adapter has Aluminum poppet, with Stainless Steel internal parts
- Stainless Steel adapter has Stainless Steel poppet, with Stainless Steel internal parts
- Brass / Gunmetal adapter has Brass poppet, with Brass and Stainless Steel internal parts
- Composite dust caps are available for adapters