Bayonet Style Dry Disconnects

Application

 For the spill-less transfer of petroleum products such as fuel oil, lube oil blending and tank truck delivery

Features

- Ensures a spill free connection, fluid cannot flow until couplings are connected and valve is opened; coupling can then not be disconnected until the valve handle is closed
- · Swivels have a ZERK fitting
- Replacement parts available, contact Dixon for more information

Specifications

 Maximum operating pressure: 85 PSI at 75°F (24°C), for pressure ratings at other temperatures contact Dixon®

90° Swivel Coupler x Female NPT

Size	Seal Material	Anodized Hard Coat Aluminum Part #
2"	NBR	BS61-200
2"	FKM	BS62-200
3"	NBR	BS61-300
3	FKM	BS62-300

Straight Coupler x Female NPT

Size	Seal Material	Anodized Hard Coat Aluminum Part #
1"	NBR	BC61-100
ı	FKM	BC62-100
2"	NBR	BC61-200
2	FKM	BC62-200

Keyed Straight Coupler x Female NPT

Size	Seal Material	Anodized Hard Coat Aluminum Part #	
2"	NBR	BC61K1-200	
Z	FKM	BC62K1-200	

Straight Swivel Coupler x Female NPT

Size	Seal Material	Anodized Hard Coat Aluminum Part #
1"	NBR	BSS61-100
ı	FKM	BSS62-100
2"	NBR	BSS61-200
	FKM	BSS62-200
3"	NBR	BSS61-300
	FKM	BSS62-300

Keyed Straight Swivel Coupler x Female NPT

Size	Seal Material	Anodized Hard Coat Aluminum Part #	
2"	NBR	BSS61K1-200	
	FKM	BSS62K1-200	
Straight Swivel			

Straight Swivel

Size	Seal Material	Anodized Hard Coat Aluminum Part #
1"	NBR	BSSW61-100
I"	FKM	BSSW62-100





Adapter x Female NPT

Size	Seal Material	Stainless Steel Part #	Brass Part #	Aluminum Part #
1"	NBR		BA31-100	
	FKM		BA32-100	
2"	NBR	BA31-200		
	FKM	BA32-200		
3"	NBR		BA31-300	BA61-300
	FKM		BA32-300	BA62-300

BA32-100

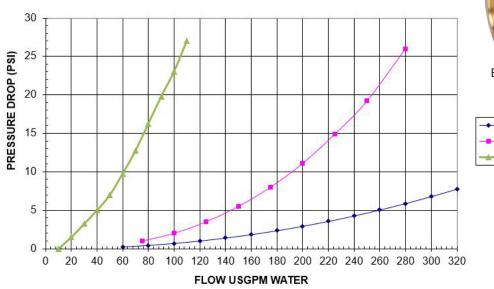
Size	Seal Material	Stainless Steel Part #
2"	NBR	BA31K1-200
	FKM	BA32K1-200



BA31-200

Flow and Pressure Chart

Keyed Adapter x Female NPT





BA31-300



Operating Instructions

These products are designed to operate as Dry Disconnect couplings. They are to be used in place of standard couplings when it is desired to prevent product from spilling from the fittings upon disconnect. This product is not intended to be the primary flow control or flow shut off device. Just as with standard non-dry disconnect fittings, it is intended that a flow control and flow shutoff valve will be installed in the system.

To use these fittings, attach the coupler to the mating adapter by aligning the three bayonet studs with the three corresponding notches in the adapter. Push the coupler onto the adapter and rotate clockwise about 20° clockwise until the coupler stops rotating.

To open the fittings, rotate the lever on the coupler approximately 190° counterclockwise until it moves into an over center position and remains in place. At this time, the flow control valve can be opened to transfer product.

After the product has been transferred, close the flow control valve, then rotate the coupler lever clockwise until it returns to its over center closed position and remains in place. Rotate the coupler about 20° counterclockwise until the coupler stops rotating. Separate the coupler from the adapter.

Cautions:

Care must be taken in the design of the piping system to avoid trapping liquid between a shut off valve and a Dry Disconnect Coupler or Adapter. If liquid is trapped in this manner and the temperature increases, the pressure in the closed volume will rise dramatically and the Dry Disconnect fitting will be damaged.

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