

# API Couplers

**DRY BREAK REFUELING COUPLER**



API couplers provide dry break connection between the loading rack & the petroleum road tanker, enabling it to be safely loaded. They are used in most petroleum road & rail tanker bottom loading applications.

We are distributors for API couplers made by Fort Vale & Dixon Bayco, both companies have several decades worth of experience. Our API couplers are used by all the major oil companies & offer reliability, durability, & are easy to maintain.

S1069A Datasheet

**LIQUID HANDLING SOLUTIONS**

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# Leaders in Liquid Handling Solution

## Technical data

Description	Dixon Bayco 5400B	Fort Vale CE94/2500	Fort Vale CE94/2700
Dry weight kg	9.1	11.5	10.8
Design pressure bar / psi	10/150	6 / 87	6 / 87
Maximum surge pressure bar / psi	23/350	15 / 217	15 / 217
Pressure drop at 2200 l/min psi	3-4 psi	2-3	2-3
Operating temperature °C	-29 / 204	-13 / 50	-13 / 50
Automatic snap on connection feature	Yes	Yes	No
Standard seal material	Viton B	Viton B	Viton B
Optional seal materials	Viton GFLT	Viton GFLT-S	Viton GFLT-S

### Product compatibility with standard seal trim

Petrol / Gasoline	*	*	*
Diesel fuel / gas oil	*	*	*
Heating fuel kerosene	*	*	*
Jet fuel / avgas	*	*	*
100% ethanol	*	*	*
Methanol	*	Viton GF	Viton GF
Biodiesel	*	GFLT-S	GFLT-S
MTBE / ETOH / MEOH	*	GFLT-S	GFLT-S

## Variations

IFC offer both manual & semi-automatic API couplers. The Fort Vale manual API coupler is lower cost & typically used on smaller oil distribution depots, The Fort Vale & Dixon Bayco semi-automatic couplers suite both smaller depots & larger high volume petroleum terminals.

All our couplers have safety features built in to prevent accidental disconnection while the main valve poppet is open & prevent loading unless properly connected. A tapered head design ensure accurate alignment on connection. All API couplers comply with API RP1004 & Atex group II, Cat 2. The couplers are available with a variety of seal materials to ensure product compatibility.



Dixon Bayco  
Semi - Automatic



Fort Vale  
Semi - Automatic



Fort Vale  
Manual

For all **YOUR** tanker access solutions



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