



The Right Connection®

5300 / 5400 Series API Coupler



5300B bonded nose seal model shown

Dixon Bayco's API coupler uses an improved snap on connection where the coupling action is automatic upon contact with the API adapter. The coupler is completely modular so it can be built with various face seal combinations to be compatible with different alternative fuels, performance levels and applications. Two models are available: bonded nose seal and replaceable nose seal.

- 4" TTMA inlet mounting flange
- 5 cam design for easy alignment with 6th locking cam
- ball-end handle for easy, comfortable operation
- no special tools needed for maintenance
- shaft seals can be changed without removing coupler from loading arm
- fully compliant with API RP1004:2003 specifications
- fully interlocked collar can not be opened when connected and can not be disconnected when opened
- one piece bonded nose seal ensures long life and can not be washed out
- optional replaceable nose seal for quick replacement without removal from loading arm

Material Specifications:

- body: hard coated anodized AL 356 T6
- shroud: hard coated anodized AL 356 T6 with stainless steel insert
- link, shaft, pin and crank: hardened 17-4PH stainless steel
- cam: CF8M stainless steel
- poppet and bearing: ZA-12
- seals: Buna, FKM-B, FKM GFLT

Chemical Compatibility (FKM-B seals):

- gasoline
- diesel
- jet fuel
- avgas
- 100% ethanol
- 100% methanol
- 100% biodiesel
- any blend of the above fluids
- crude oil*

Technical Specifications:

- weight: 20 lbs.
- maximum working pressure: **150 PSI**
- peak surge pressure: 350 PSI
- operating temperature:
 - FKM seals: **-20°F to +400°F**
 - Buna seals: **-20°F to +250°F**
- maximum flow rate: 600 GPM
- pressure drop: 3 to 4 PSI

Chemical Compatibility (Buna seals):

- gasoline
- diesel
- avgas
- 100% ethanol
- 100% methanol
- B2 to B20 biodiesel blends

Seal Material	Bonded Nose Seal Part #	Replaceable Nose Seal Part #
Buna	5300	5400
FKM-B	5300B	5400B
FKM GFLT	5300G	5400G
FKM-B	5300BC*	---

* designed for crude oil service

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