

API Couplers

Features:

- completely modular coupler can be built with various face seal combinations to be compatible with different alternative fuel / performance levels and applications
- 4" TTMA inlet mounting flange
- 5 cam design for easy alignment and tight connection
- ball-end handle for easy, comfortable operation
- no special tools needed for maintenance
- shaft seals can be changed without removing coupler from loading arm
- link, shaft, pin and crank: hardened 17-4PH stainless steel
- cam: stainless steel
- weight: 20 lbs.
- 5300, 5300B, 5300BC, 5300BCL: maximum working pressure **150 PSI**
- 5300G: maximum working pressure **100 PSI**
- 5400: maximum working pressure **75 PSI**
- peak surge pressure: **350 PSI**
- maximum flow rate: 600 GPM, (2271 LPM)
- pressure drop: **3 to 4 PSI**
- seal color code: FKM - brown dot; FKM B - yellow dot, FKM GFLT - green dot
- replacement parts are available, contact Dixon®



API Couplers with Bonded Nose Seal

Seal Material	Operating Temperature	Part #
<i>Buna</i>	-20°F to 250°F (-29°C to 121°C)	5300
<i>FKM-B</i>	-10°F to 400°F (-23°C to 204°C)	5300B
<i>FKM-GFLT</i>	-20°F to 400°F (-29°C to 204°C)	5300G
<i>FKM-B with stainless wave spring</i>	-10°F to 400°F (-23°C to 204°C)	5300BC¹
<i>FKM-B with stainless wave spring</i>	-10°F to 400°F (-23°C to 204°C)	5300BCL

¹ stainless steel internal springs and is recommended for crude oil service

API Couplers with Replaceable Nose Seal

Seal Material	Operating Temperature	Part #
<i>Buna</i>	-20°F to 250°F (-29°C to 121°C)	5400
<i>FKM-B</i>	-10°F to 400°F (-23°C to 204°C)	5400B
<i>FKM-GFLT</i>	-20°F to 400°F (-29°C to 204°C)	5400G

API Coupler Locking Handle Repair Kit



Description	Part #
locking handle kit for 5300BC rack couplers	5354K21

API Load Only Valves

Application:

- used for bottom loading and unloading of petroleum tankers, typically mounted to the piping below each tank compartment using the built-in 4" TTMA flange connection

Features:

- unique fluid flow sight level
- ergonomically curved handle operates on a short 62° degree stroke
- Nose ring is anodized hard coat aluminum, which in most applications will provide years of trouble free service. Nose ring can be rotated to provide a fresh connection surface.



Description	Part #
load only API valve without sight glass, ALH nose ring	5204LNG
load only API valve without sight glass, Baylast™ seal, stainless steel springs	5204LSNG
load only API valve without sight glass, Baylast™ seal, stainless steel springs with ½" FNPT drain port	5204LSNGP



API Load/Unload Valves

Description	Part #
load/unload API valve with sight glass, fixed handle, ALH nose	5204
load/unload API valve, without sight glass, fixed handle, Baylast™ seal	5204NG