



The Right Connection®

5300 / 5400 Series API Coupler

API coupler uses an improved snap-on connection, the coupling action is automatic upon contact with the API adapter.

**EXCLUSIVE
5 YEAR
MECHANICAL
WARRANTY ***



5300 Series

Application:

- When combined with API adapters, these couplers are suitable for rail car and tank truck loading or unloading

Materials:

- Body: hard coated anodized 356T6 aluminum
- Shroud: hard coated anodized 356T6 aluminum with stainless steel insert
- Link, shaft, pin and crank: hardened 17-4PH stainless steel
- Cam: CF8M stainless steel
- Poppet and bearing: Bayloy
- Seals: Buna, FKM-B, FKM-GFLT

Features:

- Locking 5 cam design provides easy alignment and tight connection
- Modular design allows various face seal combinations to be compatible with different alternative fuels, performance levels and applications
- Shaft seals can be changed without removing coupler from loading arm
- Fully interlocked collar cannot be opened when connected and cannot be disconnected when opened
- Choice of a bonded nose seal, or a replaceable nose seal which allows quick seal replacement
- 4" TTMA inlet mounting flange connection
- Maximum flow rate: 600 GPM
- Ball-end handle for easy, comfortable operation
- No special tools needed for maintenance
- Chemical compatibility (FKM-B seals):
 - gasoline
 - diesel
 - jet fuel
 - avgas
 - 100% ethanol
 - 100% methanol
 - 100% biodiesel
 - any blend of the above fluids
 - crude oil
- Chemical compatibility (Buna seals):
 - gasoline
 - diesel
 - avgas
 - 100% ethanol
 - 100% methanol
 - B2 to B20 biodiesel blends

Specifications:

- Operating temperature:
 - FKM-B: **-10°F to 400°F (-23°C to 204°C)**, FKM-GFLT: **-20°F to 400°F (-28°C to 204°C)**,
 - Buna seals: **-20°F to 250°F (-28°C to 121°C)**
- Pressure drop: **3 to 4 PSI**

Standard:

- Fully compliant with API RP1004:2003 specifications

* Normal wear and tear items (including seals) not covered