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

**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
API Fittings - 5300 / 5400 Series

<table>
<thead>
<tr>
<th>Size</th>
<th>Seal Material</th>
<th>Bonded Nose Seal Part #</th>
<th>Maximum Working Pressure</th>
<th>Replaceable Nose Seal Part #</th>
<th>Maximum Working Pressure</th>
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<tbody>
<tr>
<td>4&quot;</td>
<td>Buna</td>
<td>5300</td>
<td>150</td>
<td>5400</td>
<td>75</td>
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<td>FKM-B</td>
<td>5300B</td>
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<td>5400B</td>
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<td>FKM-GFLT</td>
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<td>FKM-B</td>
<td>5300BC ¹</td>
<td>150</td>
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</tbody>
</table>

¹ designed for high sulfur crude oil service
• Reference the Dixon Bayco Petroleum and Overfill catalog for bill of materials and complete list of repair kits.

Repair Kits

<table>
<thead>
<tr>
<th>Description</th>
<th>Part #</th>
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</thead>
<tbody>
<tr>
<td>Buna shaft seal kit (for 5300 and 5400)</td>
<td>5354K1</td>
</tr>
<tr>
<td>FKM-B shaft seal kit (for 5300B and 5400B)</td>
<td>5354K3</td>
</tr>
<tr>
<td>Bonded buna nose seal (for 5300)</td>
<td>5354K7</td>
</tr>
<tr>
<td>Bonded FKM-B nose seal (for 5300B)</td>
<td>5354K9</td>
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<tr>
<td>Buna replaceable nose seal kit (for 5400)</td>
<td>5354K13</td>
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<tr>
<td>FKM-B replaceable nose seal kit (5400B)</td>
<td>5354K15</td>
</tr>
</tbody>
</table>