


# Fuel Tanker Loading and Unloading

## API Valves

Petroleum Products

<b>Application:</b>	Used for bottom loading and unloading of petroleum tankers, API valves are typically mounted to the piping below each tank compartment, using the built in 4" TTMA flange connection. Two styles are available: 1) Load only (without handle) which permits terminal loading only. Tanker unloading would be achieved through another tank connection. 2) Load/unload (with a handle) which permits both terminal loading, and fuel unloading through the valve.
<b>Standards:</b>	Manufactured to American Petroleum Institute standard API RP-1004, which allows for positive connection to drop adapters and rack couplers such as the Dixon Bayco 5300/5400 series rack coupler.
<b>Materials:</b>	Aluminum body, and handle. <sup>1</sup> Anodized Hard Coat Aluminum nose ring. Stainless steel hardware. Baylast™ <sup>1</sup> , FKM <sup>1</sup> and PTFE seals <sup>1</sup> . Nylon sight glass <sup>1</sup> . Acrylic full body sight glass.
<b>Features &amp; Benefits:</b>	<ul style="list-style-type: none"> <li>• Unique fluid flow sight level <sup>1</sup></li> <li>• Ergonomically curved handle operates on a short 62° degree stroke (removable on some models <sup>1</sup>)</li> <li>• Any required maintenance is simplified, Dixon Bayco API Valves can be completely rebuilt without the need to remove the valve from the tanker <sup>1</sup>.</li> <li>• Nose ring is anodized hard coat aluminum for years of trouble free service. Nose ring can be rotated to provide a fresh connection surface.</li> <li>• Biofuel Compatible, up to E100 (100% Ethanol) <sup>1</sup> and B100 (100% Bio Diesel). </li> <li>• For detailed fuel compatibility, please refer to the chart shown on page 4.</li> <li>• Maximum working pressure <b>75 PSI</b>.</li> <li>• Units with sight glass max <b>140°F (60°C)</b>.</li> </ul>

<sup>1</sup> Dependent upon part #, see part number list below for more details

### Load/Unload Valves

Part #	Description	Overall Length	Fuel Compatibility
<b>5204NG</b>	fixed handle with Baylast™ seals (no sight glass)	7"	Gasoline and diesel, up to E100 and B100 biofuels
<b>5204NGC</b>	Canadian API with Baylast™ seals (no sight glass)	7"	
<b>5204</b>	fixed handle, Baylast™ seals and sight glass	7"	Gasoline and diesel, up to E20 and B100 biofuels
<b>5204P</b>	fixed handle, Baylast™ seals and sight glass, drilled / tapped boss	7"	
<b>5204C</b>	Canadian API with Baylast™ seals and sight glass	7"	
<b>5204SNG</b>	fixed handle, Baylast™ seals and stainless steel spring (no sight glass)	7"	Crude oil, gasoline and diesel, up to E20 and B100 biofuels
<b>5204TNG</b>	fixed handle with PTFE seals (no sight glass)	7"	B100 bio diesel
<b>5204NGV</b>	fixed handle with FKM seals (no sight glass)	7"	Gasoline and diesel, up to B100 bio diesel
<b>5204SFI</b>	fixed handle, Baylast™ seals and inline full body sight glass	8.81" <sup>2</sup>	Gasoline and diesel, up to E100 and B100 biofuels
<b>5204SFI-P</b>	fixed handle, Baylast™ seals and inline full body sight glass, drilled / tapped	8.81" <sup>2</sup>	

<sup>2</sup> Overall length of 5204SFI is the same as a 5204 API valve, gasket and 1¼" sight flow indicator combined

### Load Only Valves

Part #	Description	Overall Length	Fuel Compatibility
<b>5204LNG</b>	Baylast™ seals (no sight glass)	7"	Gasoline and diesel, up to E100 and B100 biofuels
<b>5204LSNG</b>	Baylast™ seals (no sight glass) with stainless spring	7"	Crude oil, gasoline and diesel, up to E20 and B100 biofuels
<b>5204L</b>	Baylast™ seals and sight glass	7"	Gasoline and diesel, up to E20 and B100 biofuels

See page 12 for TTMA flange gaskets. See pages 79 and 80 for bill of materials and repair kits.



Biofuel Compatible, see fuel compatibility chart on page 4 for more information.



5204



5204SFI



5204L