


Fuel Tanker Loading and Unloading

API Valves

Application:	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.
Standards:	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.
Materials:	Aluminum body, and handle. ¹ Anodized Hard Coat Aluminum nose ring. Stainless steel hardware. Baylast™ ¹ , FKM ¹ and PTFE seals ¹ . Nylon sight glass ¹ . Acrylic full body sight glass.
Features & Benefits:	<ul style="list-style-type: none"> • Unique fluid flow sight level ¹ • Ergonomically curved handle operates on a short 62° degree stroke (removable on some models ¹) • Any required maintenance is simplified, Dixon Bayco API Valves can be completely rebuilt without the need to remove the valve from the tanker ¹. • Nose ring is anodized hard coat aluminum for years of trouble free service. Nose ring can be rotated to provide a fresh connection surface. • Biofuel Compatible, up to E100 (100% Ethanol) ¹ and B100 (100% Bio Diesel).  For detailed fuel compatibility, please refer to the chart shown on page 4. • Maximum working pressure 75 PSI. • Units with sight glass max 140°F (60°C).

¹ Dependent upon part #, see part number list below for more details

Load/Unload Valves

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

² 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
5204LNG	Baylast™ seals (no sight glass)	7"	Gasoline and diesel, up to E100 and B100 biofuels
5204LSNG	Baylast™ seals (no sight glass) with stainless spring	7"	Crude oil, gasoline and diesel, up to E20 and B100 biofuels
5204L	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

Fuel Tanker Loading and Unloading

API Dust Caps



5205



5000-24



5000-25



5000-24L

Part #	Description
5205	aluminum API cap with flat buna gasket, with nylon quick release lever
5000-24 ¹	aluminum API cap with O-ring Baylast™ seal, with brass cam arms
5000-25	nylon API cap with flat buna seal, with plated steel padlock-able roller lever
5000-24L ¹	aluminum API cap with O-ring Baylast™ seal, with brass locking cam arms

¹ FKM seal available
See pages 81 and 82 for repair parts.

API Drop Adapters

- Maximum allowable operating pressure **75 PSI**.



4540



4540SG



4502



4540F



4504ASSM

Part #	Description	Fuel Compatibility
4530	API to 3" drop adapter, Baylast™ O-ring seal	Gasoline and diesel, up to E100 and B100 biofuels
4530SG	API to 3" drop adapter, Baylast™ flat gasket, in line sight glass	
4540	API to 4" drop adapter, Baylast™ O-ring seal	
4540V	API to 4" drop adapter, FKM O-ring seal	Gasoline and diesel, up to B100 bio diesel
4540SG	API to 4" drop adapter, Baylast™ flat gasket, one piece, inline sight glass	Gasoline and diesel, up to E100 and B100 biofuels
4502	API to 4" drop adapter, Buna-N seals, two piece design with sight glass	
4540SGV	API to 4" drop adapter, FKM flat gasket, inline sight glass	Gasoline and diesel, up to B100 bio diesel
4540F	API to 4" drop coupler, Buna-N gasket	Gasoline and diesel, up to E100 and B100 biofuels
4502ASSM	API to 4" drop adapter, Baylast™ O-ring w/ sight glass, two piece design	
4504ASSM	API to 4" drop coupler, Buna-N gasket w/ sight glass, two piece design	

Visit dixonvalve.com for replaceable seal part number 2143SEALBU

Dust Caps and Dust Plugs with Handle

Part #	Size	Description
300-DC-ALPH	3"	aluminum dust cap
300-DP-ALPH	3"	aluminum dust plug
400-DC-ALPH	4"	aluminum dust cap
400-DP-ALPH	4"	aluminum dust plug



300-DC-ALPH



400-DC-ALPH



300-DP-ALPH



400-DP-ALPH