

API Bottom Rack Loading Fittings



Application:	API coupler uses a snap on connection where the coupling action is automatic upon contact with the API adapter. The coupler is completely modular so it can be built with various face seal combinations to be compatible with different alternative fuel, performance levels and applications. Two models are available: bonded nose seal and replaceable nose seal.
Design:	<ul style="list-style-type: none"> • 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 • fully interlocked collar can not be opened when connected and can not be disconnected when opened • one piece bonded nose seal ensures long life and cannot be washed out • optional replaceable nose seal for quick replacement without removal from loading arm
Compatibility:	<p>Chemical Compatibility (FKM Seals):</p> <ul style="list-style-type: none"> • gasoline • diesel • jet fuel • avgas • 100% ethanol • 100% methanol • 100% biodiesel • any blend of the above fluids <p>Chemical Compatibility (Baylast Seals):</p> <ul style="list-style-type: none"> • gasoline • diesel • avgas • 100% ethanol • 100% methanol • B2 to B20 biodiesel blends
Specifications:	Fully compliant with API RP1004:2003
Material:	<ul style="list-style-type: none"> • body: hard coated anodized AL 356 T6 • shroud: hard coated anodized AL 356 T6, SS insert • link, shaft, pin and crank: hardened 17-4PH stainless steel • cam: CF8M stainless steel • poppet and bearing: ZA-12 • seal options: Baylast, FKM, FKM GFLT
Temperature:	FKM Seals: -28°C to 204°C, Baylast Seals: -28°C to 121°C
Pressure:	Max Working Pressure: 150 PSI, Peak Surge Pressure: 350 PSI Pressure Drop: 3 to 4 PSI

Part No.	Max Flow Rate (GPM)	Weight	Seal Material	Price \$
5400	600	9.07	Baylast	3128.24
5400B	600	9.07	FKM	3575.85
5400G	600	9.07	FKM GFLT	3184.42

Other seal materials available on request.

Price Group: BY
AS02

Spare Parts

Part No.	Description	Price \$
5354K3	Shaft seal kit FKM-B to suit 5400 series API valves	79.35
5354K5	Shaft seal kit FKM-GFLT to suit 5400 series API valves	86.90
5354K15	Replaceable nose seal kit FKM-B to suit 5400 series API valves	237.23
5354K17	Replaceable nose seal kit FKM-GFLT to suit 5400 series API valves	440.30
5354K19	5400 series valve repair kit c/w poppet, links and pins	324.91
112162	PTFE U seal to suit shaft seal*	143.48
112163	PTFE U seal to suit shaft bearing seal*	145.05
112164	PTFE U seal to suit poppet O-ring*	801.25

Price Group: BY
AS02

* When optional PTFE U seals are installed in the coupler they isolate the main elastomer seals from the liquid being conveyed, thereby increasing the service life of the elastomer seals when used with more aggressive fluids