

Vapor Return Valves

Application:	Vapor return valves are normally found mounted at the rear of a tanker, they are available with or without poppet valves. The poppeted valve is used to prevent vapors from escaping from the tanker. When the vapor hose coupling is connected, the probe inside the coupling opens the poppet allowing vapors to flow from the in ground tank into the tanker. The vapor return valves also have an air interlock mounting pad, which allows the connection of the vapor return hose from the in-ground storage, to be used to set the emergency brakes or open the emergency fuel valves.
Standards:	Manufactured to connect to vapor hose couplings
Materials:	Aluminum body and Buna seals, Nylon ¹ or Acrylic ¹ sight glass if equipped
Features & Benefits:	<ul style="list-style-type: none"> • Rugged cast aluminum construction • Variety of tank connections to suit any application, including 4" TTMA flange, 3" and 4" Female NPT and 4" Female NPS • Air interlock mounting pad. (VR4000 requires 5000AIV, other models can use the 5000AI, 5000AIS or 5000AIST Interlock valves) • VR4000 is a bulb design, which allows for maximum vapor flow, also features 2 large acrylic sight glasses and a drain plug. • Available with or without poppets. Poppeted versions prevent vapor from escaping from the tanker. • Easy seal replacement while still on the tanker • Biofuel Vapor Compatible, up to E100 (100% Ethanol) and B20 (20% Bio Diesel).  <p>For detailed fuel compatibility, please refer to the chart shown on page 956.</p>

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



VR4000



VR3100



VR4100



VR4100F

Part #	Adapter Size	Tanker Connection	Inlet Poppet Valve	Sight Glass	Description	Vapor Compatibility
VR3100	4"	3" female NPT	Yes	No	Vapor valve, low profile design	Gasoline and diesel, up to E100 & B20 biofuels
VR3100NP	4"	3" female NPT	No	No	Vapor valve, low profile design	Gasoline and diesel, up to E100 & B20 biofuels
VR4100	4"	4" female NPT	Yes	No	Vapor valve, low profile design	Gasoline and diesel, up to E100 & B20 biofuels
VR4100NP	4"	4" female NPT	No	No	Vapor valve, low profile design	Gasoline and diesel, up to E100 & B20 biofuels
VR4100S	4"	4" female NPS	Yes	No	Vapor valve, low profile design	Gasoline and diesel, up to E100 & B20 biofuels
VR4100NPS	4"	4" female NPS	No	No	Vapor valve, low profile design	Gasoline and diesel, up to E100 & B20 biofuels
VR4100F	4"	4" TTMA Flange	Yes	Yes	Vapor valve, low profile design	Gasoline and diesel, up to E100 & B20 biofuels
VR4100FNG	4"	4" TTMA Flange	Yes	No	Vapor valve, low profile design	Gasoline and diesel, up to E100 & B20 biofuels
VR4100F-NGNP	4"	4" TTMA Flange	No	No	Vapor valve, low profile design	Gasoline and diesel, up to E100 & B20 biofuels
VR4100F-SFI	4"	4" TTMA Flange	Yes	Yes	Vapor valve, low profile design with full body sight flow indicator (available early 2014)	Gasoline and diesel, up to E100 & B20 biofuels
VR4000	4"	4" TTMA Flange	Yes	Yes-2	Bulb design for maximum flow, (if required use 5000AIV Interlock valve)	Gasoline and diesel, up to E100 & B20 biofuels

- See page 1071 and 1072 for repair kits and replacement parts.

Orange Vapor Caps

Part #	Description	Vapor Compatibility
VR4050AL	Aluminum vapor recovery adapter cap, colored vapor orange, push-pull T handle, buna gasket	Gasoline and diesel, up to E100 & B20 biofuels
VR4050PL	Nylon vapor recovery adapter cap, colored vapor orange, push-pull T handle, buna gasket	Gasoline and diesel, up to E100 & B20 biofuels

- See page 1070 for repair kits and replacement parts.

Product instruction sheets and technical data can be viewed on our website at dixongroupcanada.com by selecting the 'Resources' menu.



Biofuel Compatible, see fuel compatibility chart on page 956 for more information.