

# Fuel Vapor Recovery

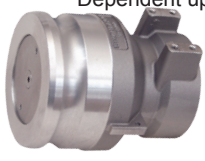
## Vapor Return Valves

<b>Standards:</b>	Manufactured to connect to vapor hose couplings
<b>Materials:</b>	Aluminum body and buna seals, nylon * or acrylic * sight glass if equipped
<b>Features &amp; Benefits:</b>	<ul style="list-style-type: none"> <li>• Rugged cast aluminum construction</li> <li>• Variety of tank connections to suit any application, including 4" TTMA flange, 3" and 4" Female NPT and 4" female NPS</li> <li>• Air interlock mounting pad. (VR4000 requires 5000AIV, other models can use the 5000AI, 5000AIS or 5000AIST interlock valves)</li> <li>• VR4000 is a bulb design which allows for maximum vapor flow, also features 2 large acrylic sight glasses and a drain plug.</li> <li>• Available with or without poppets. Poppeted versions prevent vapor from escaping from the tanker.</li> <li>• Easy seal replacement while still on the tanker</li> <li>• Biofuel vapor compatible, up to E100 (100% Ethanol) and B20 (20% bio diesel). For detailed fuel compatibility, please refer to the chart shown on page 4.</li> </ul>

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



VR4000



VR3100



VR4100



VR4100F



VR4100F-SFI

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

### Orange Vapor Caps

Part #	Description	Vapor Compatibility
<b>VR4050AL</b>	Aluminum vapor recovery adapter cap, colored vapor orange, push-pull T handle, Buna gasket	Gasoline and diesel, up to E100 & B20 biofuels
<b>VR4050PL</b>	Nylon vapor recovery adapter cap, colored vapor orange, push-pull T handle, Buna gasket	Gasoline and diesel, up to E100 & B20 biofuels
<b>VR4050ALC</b>	Aluminum vapor recovery adapter cap, colored vapor orange, push-pull T handle, Buna gasket, with chain	Gasoline and diesel, up to E100 & B20 biofuels
<b>VR4050PLC</b>	Nylon vapor recovery adapter cap, colored vapor orange, push-pull T handle, Buna gasket, with chain	Gasoline and diesel, up to E100 & B20 biofuels

### Vapor Hose Couplings

Part #	Coupler Size	Connection Type & Size	Poppet Valve	Probe	Vapor Compatibility
<b>VRC3000AL</b>	3"	3" hose	No	Yes	Gasoline and diesel, up to E100 and B20 biofuels
<b>VR4030CS-AL <sup>1</sup></b>	4"	3" hose	Yes	Yes	Gasoline and diesel, up to E100 and B20 biofuels
<b>VR4040CS-AL</b>	4"	4" hose	Yes	Yes	Gasoline and diesel, up to E100 and B20 biofuels
<b>VR4040CS-4MNPT</b>	4"	4" male NPT	Yes	Yes	Gasoline and diesel, up to E100 and B20 biofuels
<b>4020-CVR-AL</b>	4"	2" hose	No	Yes	Gasoline and diesel, up to E100 and B20 biofuels
<b>4030-CVR-AL</b>	4"	3" hose	No	Yes	Gasoline and diesel, up to E100 and B20 biofuels
<b>400-CVR-AL</b>	4"	4" hose	No	Yes	Gasoline and diesel, up to E100 and B20 biofuels
<b>4030-DVR-AL</b>	4"	3" female NPT	No	Yes	Gasoline and diesel, up to E100 and B20 biofuels
<b>400-DVR-AL</b>	4"	4" female NPT	No	Yes	Gasoline and diesel, up to E100 and B20 biofuels
<b>4030-DAVR-AL</b>	4"	3" cam & groove adapter	No	Yes	Gasoline and diesel, up to E100 and B20 biofuels
<b>400-DDVR-AL</b>	4"	4" cam & groove coupler	No	Yes	Gasoline and diesel, up to E100 and B20 biofuels
<b>VR4030CS-NP</b>	4"	3" hose	No	Yes	Gasoline and diesel, up to E100 and B20 biofuels



VR4030CS-AL



VR4040CS-AL

<sup>1</sup> VR4030CS-AL will not work with Civacon 633LVH vapor valve.