VRC-2 GAS COMPRESSOR

Added Clearance Retainer Kits
About Added Clearance Retainer Kits

Clearance can be added to the Crank-End Steeple Cylinder using the Added Clearance Retainer Kits. Clearance can be added in 8 percent increments, by using the 8% valve spacer, or the 16% valve spacer or the 24% valve spacer. Install a valve seat gasket under the spacer and on top of the spacer (under the valve).

For 8% added clearance install the 8% spacer, both gaskets, the added clearance retainer and both retainer extensions.

For 16% added clearance install the 16% spacer, both gaskets, the added clearance retainer and one retainer extension.

For 24% added clearance install the 24% spacer, both gaskets and the added clearance retainer.

Added Clearance Retainer Kit Contents
### 3.5 SACE CYLINDER - SUCTION VALVE

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>DESCRIPTION OF PART</th>
<th>QTY.</th>
</tr>
</thead>
<tbody>
<tr>
<td>VRC22356K</td>
<td>KIT, RETAINER, ADDED CLEARANCE, SUCTION VALVE, 3.5” SACE CYLINDER</td>
<td>1</td>
</tr>
</tbody>
</table>

**KIT INCLUDES:**
- VRC22351  1  Spacer, Valve, 8% Clearance, 3.5” SACE Cylinder
- VRC22352  1  Spacer, Valve, 16% Clearance, 3.5” SACE Cylinder
- VRC22353  1  Spacer, Valve, 24% Clearance, 3.5” SACE Cylinder
- VRC22356  1  Retainer, Added Clearance, Suction Valve, 3.5” SACE Cylinder
- VRC22357  2  Retainer Extension, 3.5” SACE Cylinder
- VRC25355  2  Gasket, Suction Valve Seat, 3.5 - 4.0” Cylinder
- VRC29150  1  Instructions, Added Clearance Retainer Kit

### 4.0 SACE CYLINDER - SUCTION VALVE

<table>
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<tr>
<th>PART NUMBER</th>
<th>DESCRIPTION OF PART</th>
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<tbody>
<tr>
<td>VRC22406K</td>
<td>KIT, RETAINER, ADDED CLEARANCE, SUCTION VALVE, 4.0” SACE CYLINDER</td>
<td>1</td>
</tr>
</tbody>
</table>

**KIT INCLUDES:**
- VRC22401  1  Spacer, Valve, 8% Clearance, 4.0” SACE Cylinder
- VRC22402  1  Spacer, Valve, 16% Clearance, 4.0” SACE Cylinder
- VRC22403  1  Spacer, Valve, 24% Clearance, 4.0” SACE Cylinder
- VRC22406  1  Retainer, Added Clearance, Suction Valve, 4.0” SACE Cylinder
- VRC22407  2  Retainer Extension, 4.0” SACE Cylinder
- VRC25355  2  Gasket, Suction Valve Seat, 3.5 - 4.0” Cylinder
- VRC29150  1  Instructions, Added Clearance Retainer Kit

### 4.5 SACE CYLINDER - SUCTION VALVE

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<tbody>
<tr>
<td>VRC22456K</td>
<td>KIT, RETAINER, ADDED CLEARANCE, SUCTION VALVE, 4.5” SACE CYLINDER</td>
<td>1</td>
</tr>
</tbody>
</table>

**KIT INCLUDES:**
- VRC22451  1  Spacer, Valve, 8% Clearance, 4.5” SACE Cylinder
- VRC22452  1  Spacer, Valve, 16% Clearance, 4.5” SACE Cylinder
- VRC22453  1  Spacer, Valve, 24% Clearance, 4.5” SACE Cylinder
- VRC22456  1  Retainer, Added Clearance, Suction Valve, 4.5” SACE Cylinder
- VRC22457  2  Retainer Extension, 4.5” SACE Cylinder
- VRC25455  2  Gasket, Suction Valve Seat, 4.5 - 5.0” Cylinder
- VRC29150  1  Instructions, Added Clearance Retainer Kit

### 5.0 SACE CYLINDER - SUCTION VALVE

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<th>PART NUMBER</th>
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<tr>
<td>VRC22506K</td>
<td>KIT, RETAINER, ADDED CLEARANCE, SUCTION VALVE, 5.0” SACE CYLINDER</td>
<td>1</td>
</tr>
</tbody>
</table>

**KIT INCLUDES:**
- VRC22501  1  Spacer, Valve, 8% Clearance, 5.0” SACE Cylinder
- VRC22502  1  Spacer, Valve, 16% Clearance, 5.0” SACE Cylinder
- VRC22503  1  Spacer, Valve, 24% Clearance, 5.0” SACE Cylinder
- VRC22506  1  Retainer, Added Clearance, Suction Valve, 5.0” SACE Cylinder
- VRC22507  2  Retainer Extension, 5.0” SACE Cylinder
- VRC25455  2  Gasket, Suction Valve Seat, 4.5 - 5.0” Cylinder
- VRC29150  1  Instructions, Added Clearance Retainer Kit
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<td>VRC22556K</td>
<td>KIT, RETAINER, ADDED CLEARANCE, SUCTION VALVE, 5.5” SACE CYLINDER</td>
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</tr>
</tbody>
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**KIT INCLUDES:**
- VRC22551 1 Spacer, Valve, 8% Clearance, 5.5” SACE Cylinder
- VRC22552 1 Spacer, Valve, 16% Clearance, 5.5” SACE Cylinder
- VRC22553 1 Spacer, Valve, 24% Clearance, 5.5” SACE Cylinder
- VRC22556 1 Retainer, Added Clearance, Suction Valve, 5.5” SACE Cylinder
- VRC22557 2 Retainer Extension, 5.5” SACE Cylinder
- VRC25555 2 Gasket, Suction Valve Seat, 5.5 - 6.0” Cylinder
- VRC29150 1 Instructions, Added Clearance Retainer Kit

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<td>VRC22606K</td>
<td>KIT, RETAINER, ADDED CLEARANCE, SUCTION VALVE, 6.0” SACE CYLINDER</td>
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</table>

**Kit Includes:**
- VRC22601 1 Spacer, Valve, 8% Clearance, 6.0” SACE Cylinder
- VRC22602 1 Spacer, Valve, 16% Clearance, 6.0” SACE Cylinder
- VRC22603 1 Spacer, Valve, 24% Clearance, 6.0” SACE Cylinder
- VRC22606 1 Retainer, Added Clearance, Suction Valve, 6.0” SACE Cylinder
- VRC22607 2 Retainer Extension, 6.0” SACE Cylinder
- VRC25555 2 Gasket, Suction Valve Seat, 5.5 - 6.0” Cylinder
- VRC29150 1 Instructions, Added Clearance Retainer Kit

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<td>VRC22656K</td>
<td>KIT, RETAINER, ADDED CLEARANCE, SUCTION VALVE, 6.5” SACE CYLINDER</td>
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</table>

**KIT INCLUDES:**
- VRC22651 1 Spacer, Valve, 8% Clearance, 6.5” SACE Cylinder
- VRC22652 1 Spacer, Valve, 16% Clearance, 6.5” SACE Cylinder
- VRC22653 1 Spacer, Valve, 24% Clearance, 6.5” SACE Cylinder
- VRC22656 1 Retainer, Added Clearance, Suction Valve, 6.5” SACE Cylinder
- VRC22657 2 Retainer Extension, 6.5” SACE Cylinder
- VRC25655 2 Gasket, Suction Valve Seat, 6.5 - 8.0” Cylinder
- VRC29150 1 Instructions, Added Clearance Retainer Kit

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<td>VRC22706K</td>
<td>KIT, RETAINER, ADDED CLEARANCE, SUCTION VALVE, 7.0” SACE CYLINDER</td>
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**KIT INCLUDES:**
- VRC22701 1 Spacer, Valve, 8% Clearance, 7.0” SACE Cylinder
- VRC22702 1 Spacer, Valve, 16% Clearance, 7.0” SACE Cylinder
- VRC22703 1 Spacer, Valve, 24% Clearance, 7.0” SACE Cylinder
- VRC22706 1 Retainer, Added Clearance, Suction Valve, 7.0” SACE Cylinder
- VRC22707 2 Retainer Extension, 7.0” SACE Cylinder
- VRC25655 2 Gasket, Suction Valve Seat, 6.5 - 8.0” Cylinder
- VRC29150 1 Instructions, Added Clearance Retainer Kit