Description: Horizontal Oil Separator Kit for Paragon

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Date: February 8, 2019

Part Number: 06TT660095

Universal kit for all paragon compressor models applied with a horizontal oil separator part numbers – 8BSB000643, 8BTB000644, 8BSV000704, 8BTB000705, and 8BVB000787

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<th>QTY</th>
<th>ITEM</th>
<th>Carlyle Part Number</th>
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<td>1</td>
<td>Oil level Sensor</td>
<td>8CCB000742</td>
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<td>1</td>
<td>Oil Level Controller, 230V</td>
<td>8CCB000744</td>
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<td>1</td>
<td>HT38KN007</td>
<td>Oil Separator Heater wrap</td>
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Oil Level Controller (230 Vac), P/N 8CCB000744
Oil Level Sensor, P/N 8CCB000742

Oil Separator Heater (120/240 Vac)
P/N HT38KN007
**Instructions:**

**Oil Level Controller and Sensor (For Horizontal Oil Separators):**

The electronic oil level controller 8CCB000744 and oil level sensor fitting 8CCB000742 work together to perform oil level monitoring in the oil separator for paragon screw compressor applications.

The oil level controller is 230V-1-60Hz and has a 5 second low oil level alarm time delay.

The oil sensor, 8CCB000742, is an optical sensor (not a float type). The oil sensor has 1/2" NPT steel nickel-plated threads which install into the 1/2" FNPT port located towards the bottom-side of the oil separator and should be torqued to 50-60 ft-lbs. The oil sensor is designed to be immersed in oil, and when uncovered due to a low oil level, will trigger the oil level controller’s internal contacts to close, bringing in an alarm. This action should result in a compressor trip.

![Wiring Diagram](image)

The oil level controller works with the Carlyle PCM Controller 2BSB000928, which is located in the paragon controller kits, P/N 6BSB000929 and 6BSB000930.
Oil Separator Heater: The oil separator heater mounts to the underside of the oil separator and fastens around the oil separator body via the supplied springs. The heater is dual voltage 120/240 Vac, output is 500
watts, operating temperature is 450F. The oil separator heater should be energized when the compressor is not in-service and de-energized when the compressor is operating.

Heater Wiring Diagram