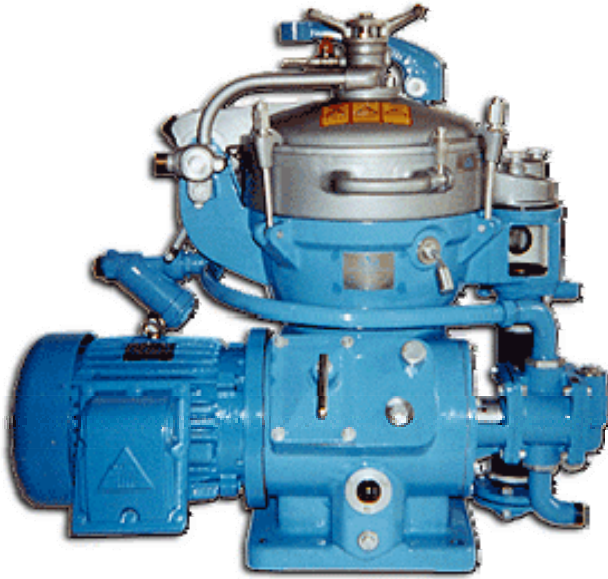




# Hutchison Hayes Separation Inc.

## HH 360



The HH 360 centrifuge is a Diesel cleaning system with a low installation cost. It is a small and compact system with well proven components.

### Application

The HH 360 system is specifically designed for a number of different separation duties, such as: purification, degumming, wash water removal, glycerin separation and clarification

### Working principle:

Separation takes place in a solids-retaining, also known as a solid bowl that can be arranged for purification or clarification (optional). In both cases the dirty oil is fed in to the separator by a built-on feed pump through the oil inlet and is separated by centrifugal force into its various phases. The heaviest phase, sludge, is forced to and deposited at the periphery of the bowl. Separated sludge is collected in the space at the periphery of the bowl and must be removed periodically by hand. The clean oil is

continuously discharged through a built-on pump.

Water leaves the bowl via an open outlet. When operated in purifier mode, a gravity disc must be fitted to obtain the correct interface position (the boundary between the separated oil and the water seal) in the separator bowl. In the optional clarifier mode, a clarifier disc is fitted instead of a gravity disc.

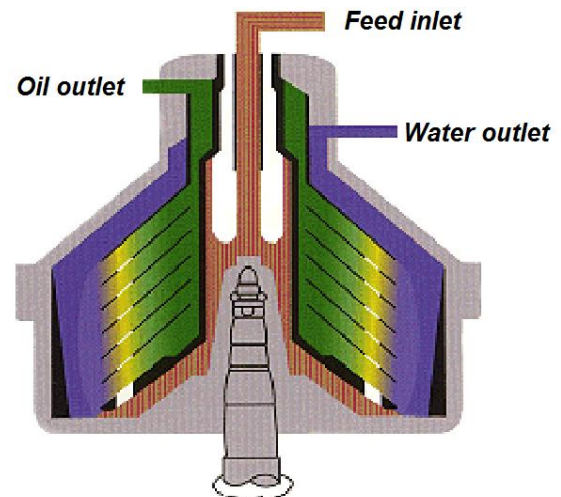
A water seal alarm is available as optional equipment to monitor the pressure in the clean oil outlet. The control unit will shut off the oil feed to the separator in case a pressure drop is detected and give an audible and/or visible alarm.

### Installation

The HH 360 separation system is designed for installation as a complete system. The layout schematic shows a typical installation of an HH 360 separator. Dirty oil is supplied by the feed pump from the oil tank to the separator bowl for continuous cleaning. After separation, the cleaned oil is discharged by a built-on pump.

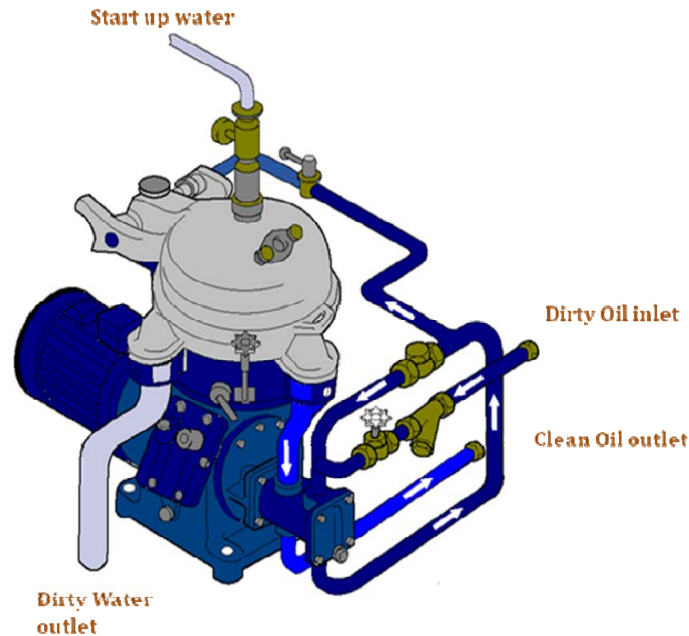
### Options

A complete system includes an optional water seal alarm, starter, valves, piping and other equipment.





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## TECHNICAL DATA SHEET

### MODEL HH-360

<b>MAXIMUM RATED CAPACITY</b>	<b>47 GPM</b>	<b>SPEED</b>	
<b>Minimum temperature</b>	<b>30°F</b>	<b>Drive motor</b>	<b>1750 RPM</b>
<b>Maximum temperature</b>	<b>212°F</b>	<b>Bowl Spindle</b>	<b>8425 RPM</b>
<b>Recommended throughput:</b>		<b>Run up time</b>	<b>2 minutes</b>
		<b>Run down time</b>	<b>3 minutes</b>
<b>Marine Diesel</b>		<b>Materials</b>	
<b>Viscosity 14 cSt/40°C (104°F)</b>	<b>30 GPM</b>	<b>Frame:</b>	<b>cast iron (epoxy enamel)</b>
<b>Viscosity 32-46 cSt/40°C (104°F)</b>	<b>20 GPM</b>	<b>Covers:</b>	<b>cast aluminum</b>
<b>Suction lift to pump</b>	<b>12 Feet, WC</b>	<b>Bowl body, hood, disc stack:</b>	<b>stainless steel</b>
<b>Delivery head pump</b>	<b>45 Feet, WC</b>	<b>Distributor, top disc:</b>	<b>bronze</b>
<b>Sludge Holding Space</b>	<b>0.9 Gallon</b>	<b>Shipping Data</b>	
<b>Drive Motor</b>	<b>17 HP</b>	<b>Unit is shipped with all necessary bowl tools, mounting isolators, built-on feed pump and motor.</b>	
<b>Gear Case Oil</b>	<b>1 Gallon</b>	<b>Net weight</b>	<b>725 Lbs</b>
<b>Operating Water for Sealing</b>		<b>Gross weight</b>	<b>945 Lbs</b>
<b>Max chloride content</b>	<b>60 PPM</b>	<b>Volume</b>	<b>44 Cu. foot</b>

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