HDK06 In-Line/Tank Mount Filters

**Working Pressures to:**
350 psi / 2415 kPa / 24.1 bar

**Rated Static Burst to:**
500 psi / 3450 kPa / 34.5 bar

**Flow Range To:**
150 gpm / 568 lpm

**Applications**
- Cooling Circuits
- Fluid Conditioning Systems
- Lube Oil Systems
- Return Lines
- Suction Lines

**Features**
HDK06 filters come in two styles: In-line and tank mount. Both styles feature a die cast aluminum head and steel body for strength and durability; service is made easier with a single, center retention bolt on top of the head. Filter flow is inside to outside. Nitrile seals are standard.

HDK06 assemblies come complete with our $\beta_{90}=1000$ rated Synteq™ filter cartridge. Other ratings are available, depending on your cleanliness requirements. HDK06 comes with an easy-to-read visual service indicator.

**Beta Rating**
- Performance to $\beta_{90}=1000$

**Porting Size Options**
- 2½" NPT

**Replacement Filter Lengths**
- 16.00” / 406mm

**Standard Bypass Ratings**
- 25 psi / 172.5 kPa / 1.7 bar

**Assembly Weight**
- 39.25 lbs / 18 kg

**Operating Temperatures**
- -20°F to 250°F
- -29°C to 121°C

**Filter Collapse Ratings**
- 100 psid / 690 kPa / 6.9 bar
HDK06 Specification Illustrations

ASSEMBLY - SIDE VIEW

In-Tank Model

In-Line Model

In-Tank Note
A 6” / 152mm diameter hole in reservoir is recommended for in-tank installation.

HEAD - TOP VIEW

All dimensions are shown in inches [millimeters].
HDK06 Components

Filter Choices

<table>
<thead>
<tr>
<th>Media Type</th>
<th>( \beta_{(c)} = 2 )</th>
<th>( \beta_{(c)} = 1000 )</th>
<th>Length</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Rating based on ISO 16889</td>
<td>in</td>
<td>mm</td>
<td></td>
</tr>
<tr>
<td>Synteq</td>
<td>&lt;4 ( \mu ) m</td>
<td>16.00</td>
<td>406</td>
<td>P161016</td>
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<tr>
<td>Synthetic</td>
<td>6 ( \mu ) m</td>
<td>16.00</td>
<td>406</td>
<td>P165628</td>
</tr>
<tr>
<td></td>
<td>11 ( \mu ) m</td>
<td>16.00</td>
<td>406</td>
<td>P176221</td>
</tr>
<tr>
<td></td>
<td>22 ( \mu ) m</td>
<td>16.00</td>
<td>406</td>
<td>P161571</td>
</tr>
<tr>
<td></td>
<td>23 ( \mu ) m</td>
<td>16.00</td>
<td>406</td>
<td>P164699</td>
</tr>
<tr>
<td></td>
<td>50 ( \mu ) m</td>
<td>16.00</td>
<td>406</td>
<td>P166597</td>
</tr>
<tr>
<td>Wire Mesh</td>
<td>150 ( \mu ) m</td>
<td>11.6</td>
<td>294</td>
<td>P160700</td>
</tr>
</tbody>
</table>

Filter Notes

Standard HDK06 replacement filters have nitrile seals, which are appropriate for most applications involving petroleum oil. Filters with seals made of fluorocarbon are required when using diester, phosphate ester fluids, water glycol, water/oil emulsions, and HWCF (high water content fluids) over 150°F. HDK06 filters are inside to outside reverse flow 4.39” (112mm) OD. Refer to the table in the Technical Reference Guide for fluid compatibility with our filter media.

Assembly Choices

<table>
<thead>
<tr>
<th>Style</th>
<th>Part No.</th>
<th>Port Size</th>
<th>Bypass Rating</th>
<th>Indicator</th>
<th>Includes Filter Cartridge</th>
</tr>
</thead>
<tbody>
<tr>
<td>In-Tank</td>
<td>K060173</td>
<td>2½&quot; NPT</td>
<td>25 psi / 172.5 kPa</td>
<td>Visual</td>
<td>P176221</td>
</tr>
<tr>
<td>In-Line</td>
<td>K060160</td>
<td>2½&quot; NPT</td>
<td>25 psi / 172.5 kPa</td>
<td>Visual</td>
<td>P176221</td>
</tr>
</tbody>
</table>

Performance Data
HDK06 Service Parts

Optional Tee Handle for Easier Servicing
The first step in changing the HDK06 cartridge is loosening the top nut with a wrench. Our optional tee handle makes this job easier. The P160135 kit, comprised of the handle, an O-Ring, and a clip ring, replaces the entire top nut assembly.

How to Read the Visual Indicator
This simple device will tell you when the filter needs to be changed. Always check when the fluid is at operating temperature and the system is at normal operating flow.

If the top of the white panel is below the lower half of the window, the filter needs servicing.