



HDK06

Max Flow: 150 gpm (568 lpm)



## 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

### 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. Buna-N® seals are standard.

HDK06 assemblies come complete with our  $\beta_{9(c)} = 1000$  rated Synteq™ filter cartridge. Other ratings are available, depending on your cleanliness requirements. HDK06 comes with an easy-to-read visual service indicator.



*In-line model shown*

#### Beta Rating

- Performance to  $\beta_{<4(c)} = 1000$

#### 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

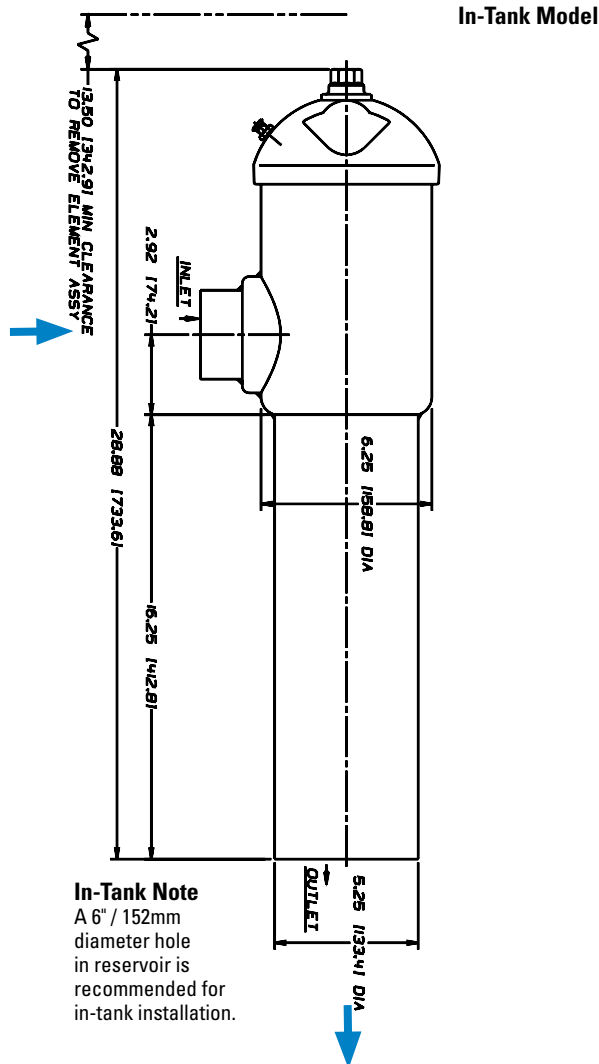
#### Filter Burst Ratings

- 100 psid / 690 kPa / 6.9 bar

## HDK06 Specification Illustrations

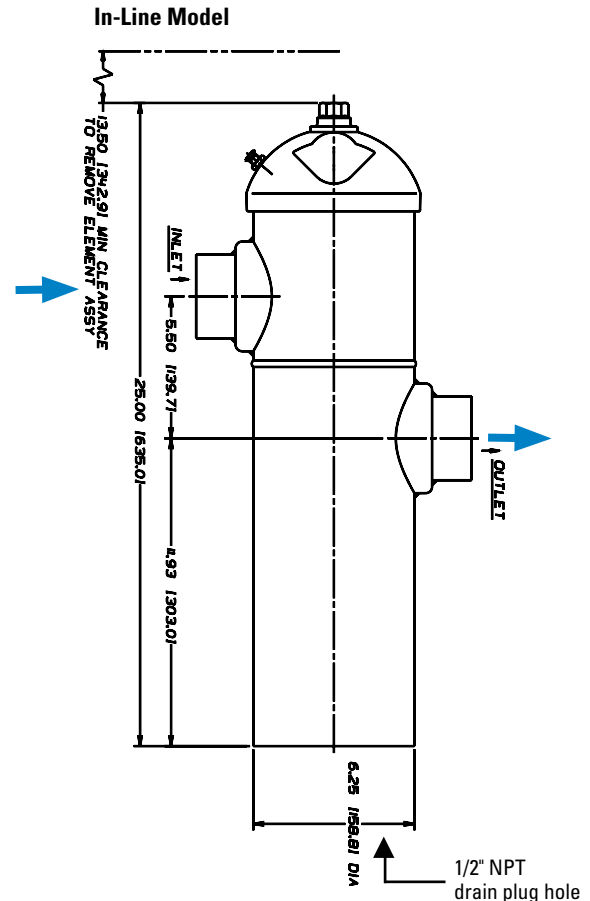
All dimensions are shown in inches [millimeters].

### Assembly - Side Views

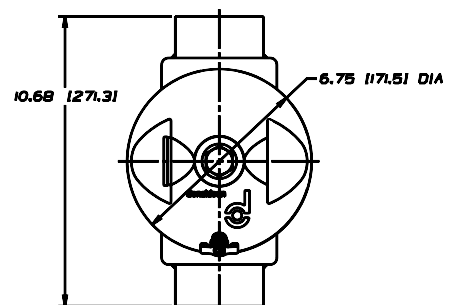
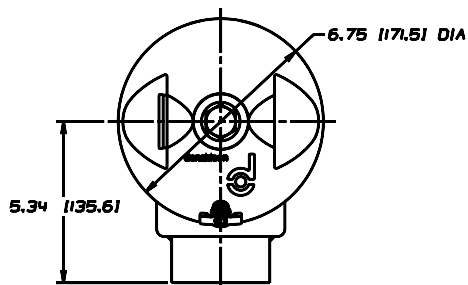


### Applications

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



### Head - Top Views





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## HDK06 Components

### Assembly Choices

Style	Part No.	Port Size	Bypass Rating	Indicator	Includes Filter Cartridge
In-Tank	K060173	2½" NPT	25 psi / 172.5 kPa	Visual	P176221
In-Line	K060160	2½" NPT	25 psi / 172.5 kPa	Visual	P176221

### Filter Choices

Media Type	$\beta_{x(c)} = 2$ Rating based on ISO 16889	$\beta_{x(c)} = 1000$	Length		Donaldson Part No.
			in	mm	
Synteq		<4 µm	16.00	406	P161016
Synthetic		6 µm	16.00	406	P165628
		11 µm	16.00	406	P176221
		22 µm	16.00	406	P161571
		23 µm	16.00	406	P164699
		50 µm	16.00	406	P166597
Wire Mesh	150 µm		11.6	294	P160700

#### Filter Notes

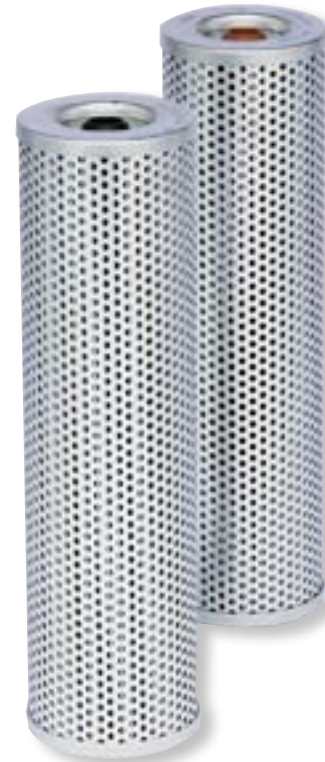
Standard HDK06 replacement filters have Buna-N® seals, which are appropriate for most applications involving petroleum oil. Filters with seals made of fluorocarbon elastomer (such as Viton® and Fluorel®) are required when using diester, phosphate ester fluids, water glycol, water/oil emulsions, and HWCF (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.

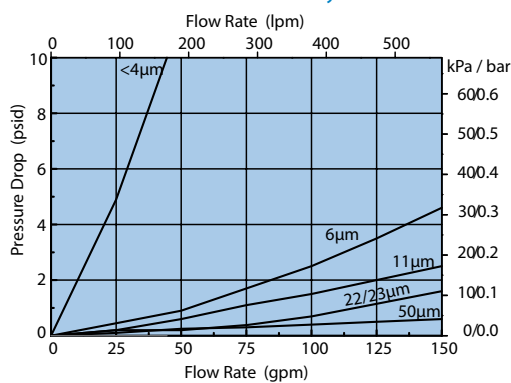
Viton® is a registered trademark of E. I. DuPont de Nemours and Company.

Fluorel® is a registered trademark of 3M Company.

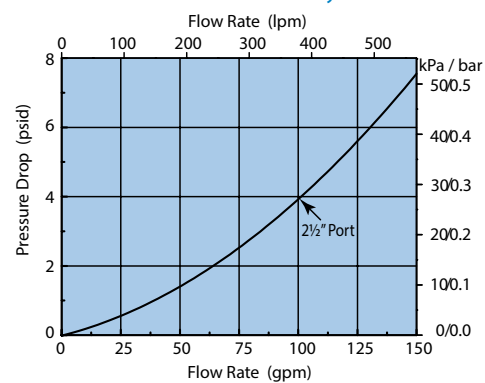


## Performance Data

HDK06 Filters Only



HDK06 Head Only



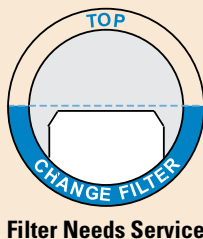
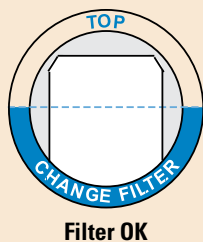
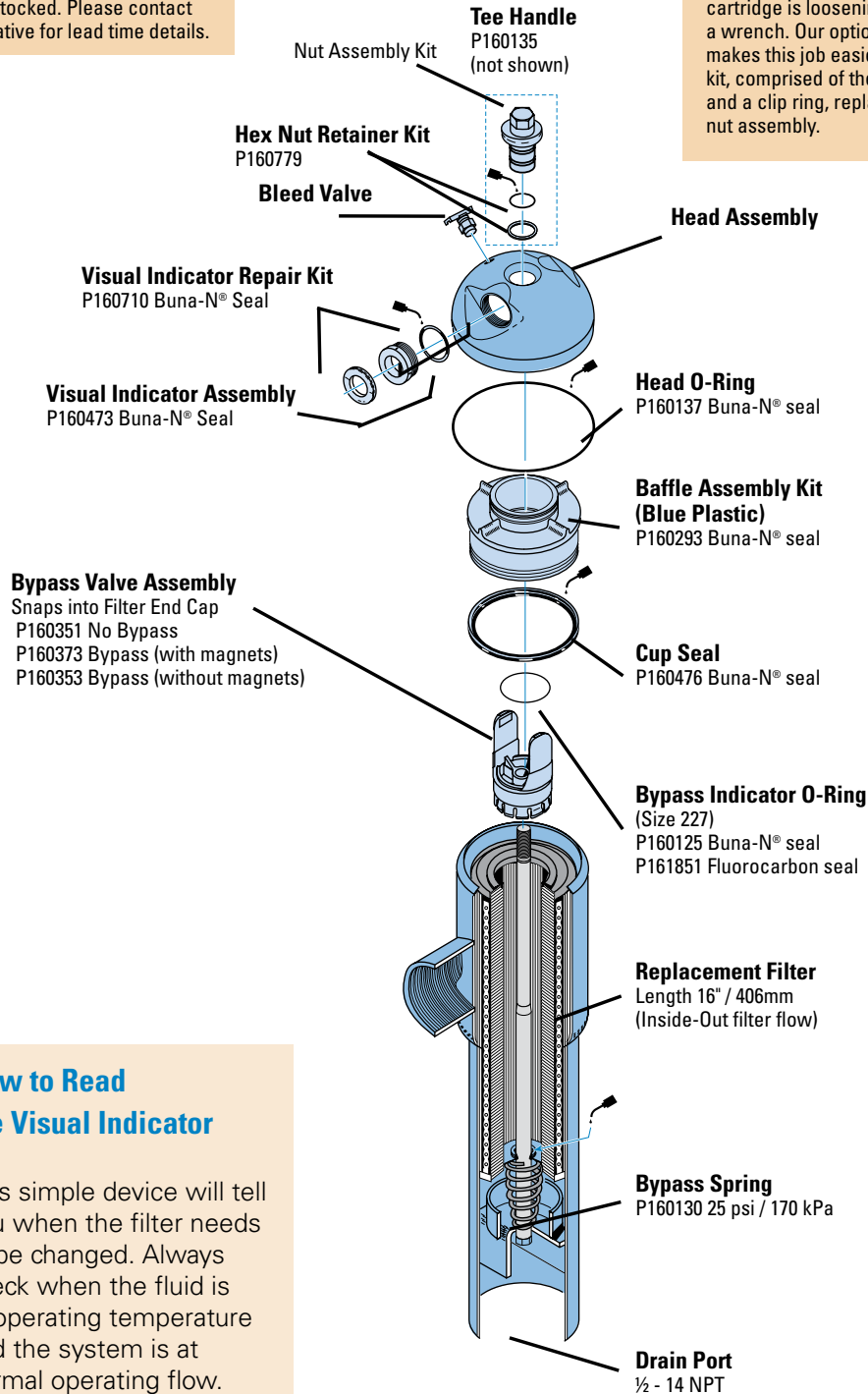
## HDK06 Service Parts

### SERVICE PARTS NOTE:

Some service parts may not be stocked. Please contact your Donaldson sales representative for lead time details.

### 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.