

# HDK06 In-Line/Tank Mount Filter

**Working Pressures to:** 350 *psi*  
2413 kPa  
24.1 bar

**Rated Static Burst to:** 500 *psi*  
3448 kPa  
34.5 bar

**Flow Ranges to:**

Return-line < 150 *gpm*  
568 *l/min*

Suction < 50 *gpm*  
189 *l/min*



## Features

HDK06 low pressure filters come in two styles: In-Line and Tank Mount. It features 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. Element flow is inside to outside. BunaN seals are standard.

HDK06 assemblies come complete with our  $\beta_{20(c)}=1000$  rated Synteq<sup>®</sup> filter cartridge. Other ratings are available, depending on your cleanliness requirements. HDK06 comes with an easy-to-read visual service indicator, and electrical indicators are available on service parts.



See what's so special about Donaldson-developed Synteq<sup>®</sup> synthetic filter media on [page 8](#).

### Beta Rating

- Performance to  $\beta_{<3(c)}=1000$

### Porting Sizes

- 2½" NPT

### Assembly Weight

- 26 lbs / 12 kg

### Replacement Filter Length

- 16" / 406mm

### Standard Bypass Rating

- 25 *psi* / 172.5 kPa / 1.7 bar

### Operating Temperatures

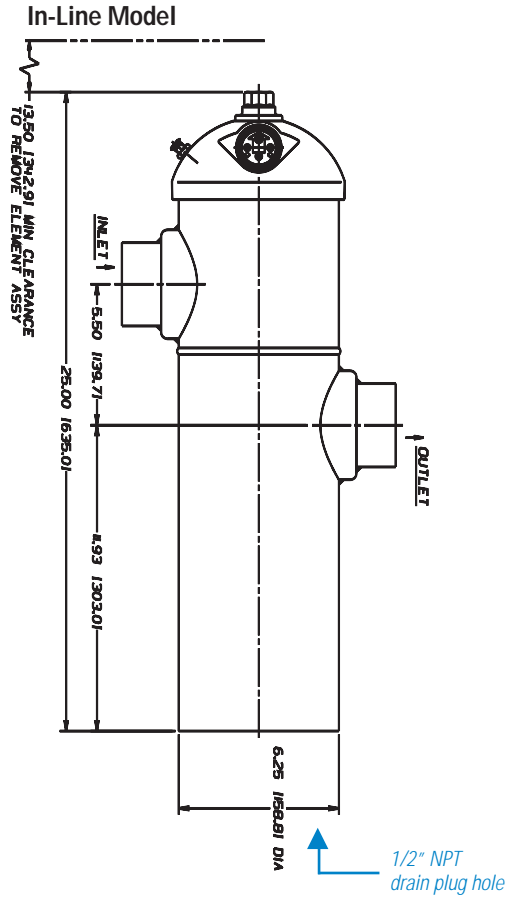
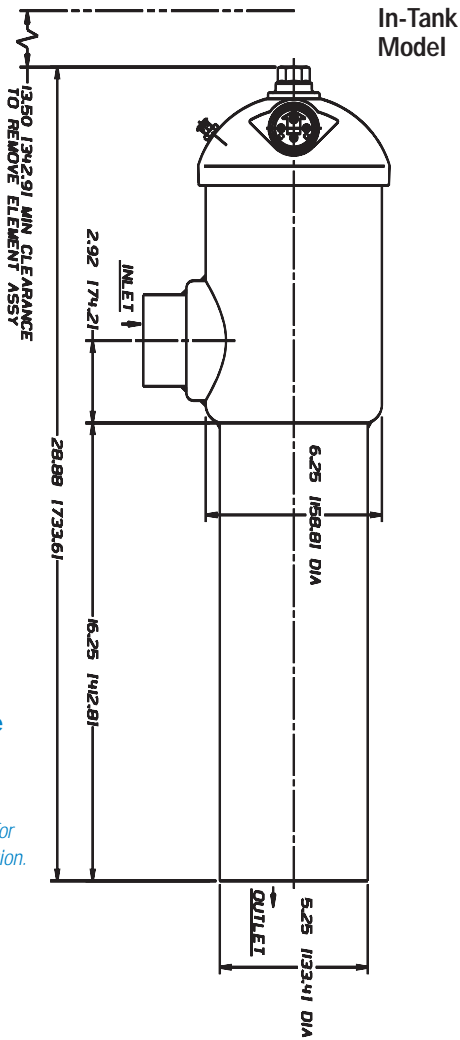
- Synthetic media -20°F to 250°F  
-29°C to 121°C

### Element Burst Ratings

- 100 *psid* / 690 kPa / 6.9 bar

**Assembly - Side View**

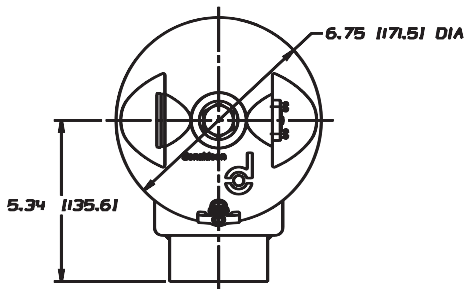
for: Cooling Circuits  
Return-Line/Suction  
Lube Oil Systems  
Fluid Conditioning



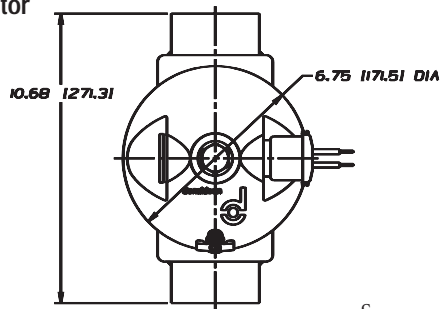
**In-Tank Note**  
A 6" / 152mm diameter hole in reservoir is recommended for in-tank installation.

**Head - Top View**

with Optional DC Electrical Service Indicator



with Optional AC Electrical Service Indicator



See page 160 for information on how to read the visual service indicator.

All dimensions above are shown in inches [millimeters]

# HDK06 Components

## In-Stock Assemblies

Style	Part No.	Port Size	Bypass Rating	Indicator <sup>1</sup>	Includes Filter Cartridge
In-Tank	K060173	2½" NPT	25 psi / 172.5 kPa	Visual	P164697 Synteq®
In-Line	K060160				

### Filter Assembly Notes

<sup>1</sup> AC or DC electrical indicators available for purchase.

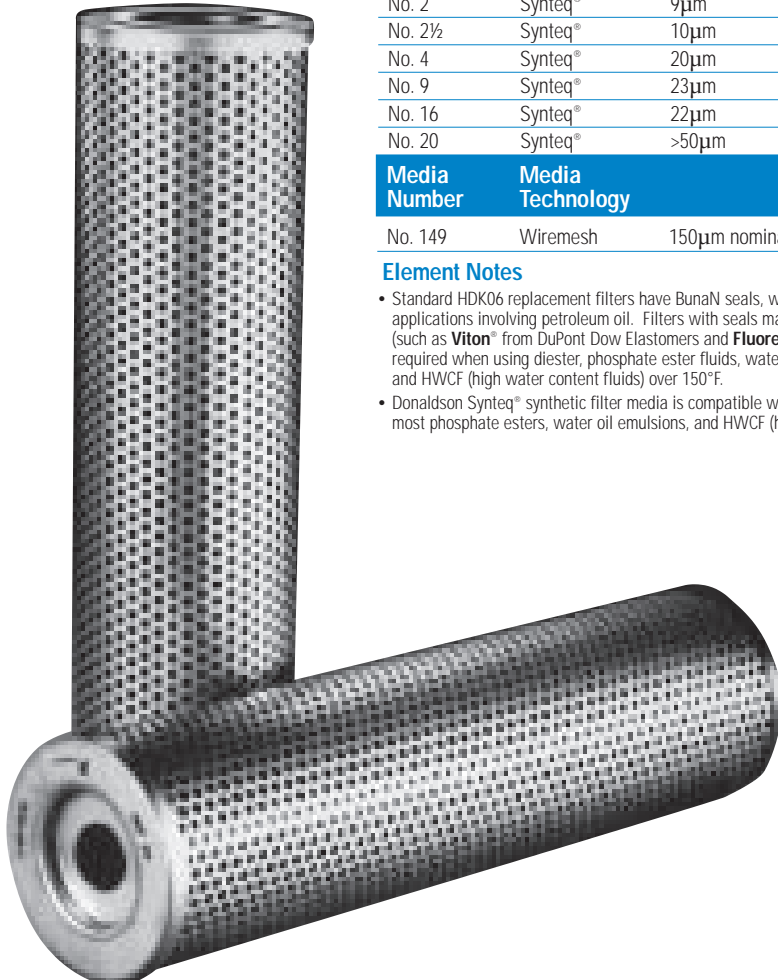
## Replacement Filter Cartridges

Media Number	Media Technology	B <sub>x(c)</sub> = 1000 Rating	Part No.
No. ½	Synteq®	<3µm	P161016
No. 2	Synteq®	9µm	P165628
No. 2½	Synteq®	10µm	P176221
No. 4	Synteq®	20µm	P164697
No. 9	Synteq®	23µm	P164699
No. 16	Synteq®	22µm	P161571
No. 20	Synteq®	>50µm	P166597
Media Number	Media Technology		Part No.
No. 149	Wiremesh	150µm nominal	P160700

### Element Notes

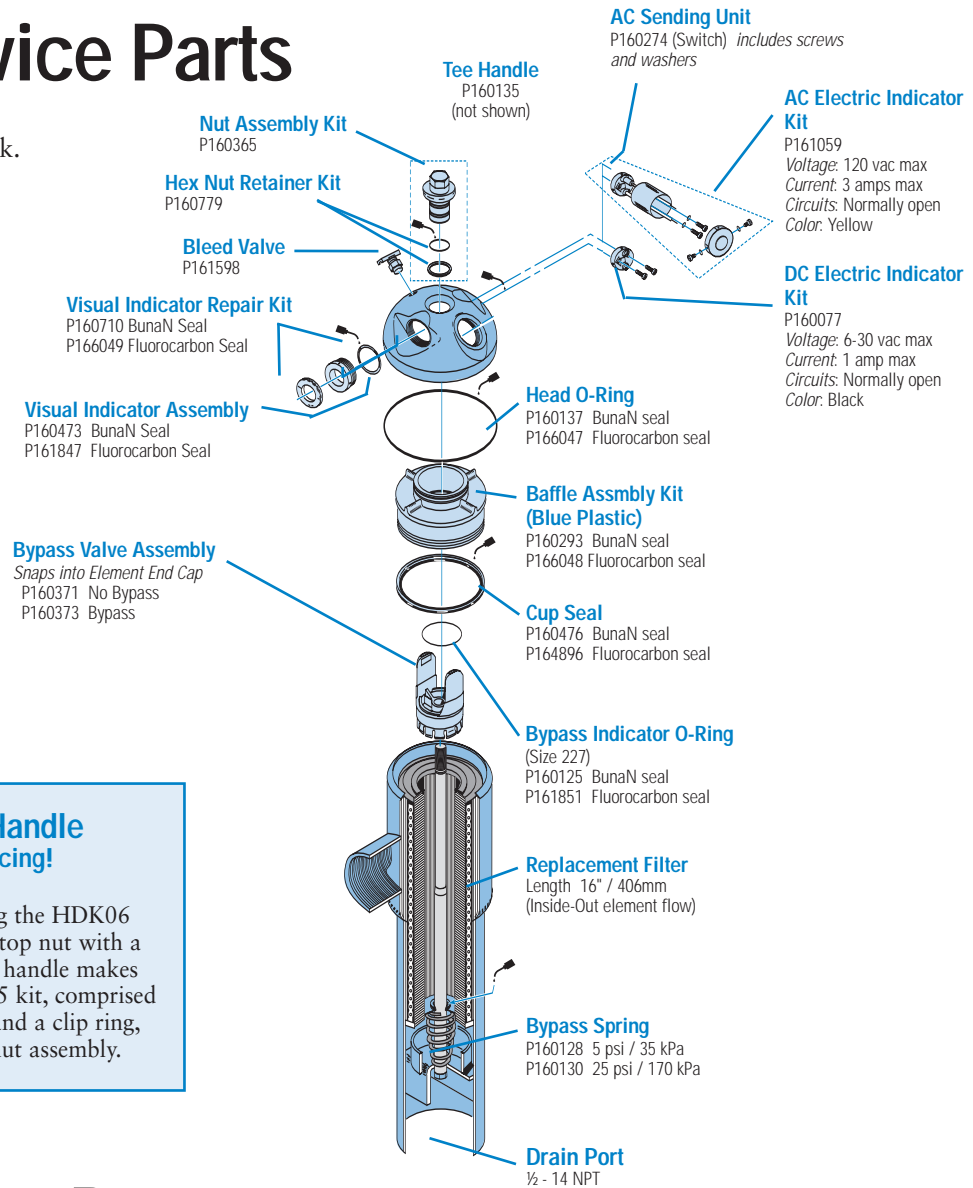
- Standard HDK06 replacement filters have BunaN seals, which are appropriate for most applications involving petroleum oil. Filters with seals made of fluorocarbon elastomer (such as **Viton**® from DuPont Dow Elastomers and **Fluorel** from 3M Company) are required when using diester, phosphate ester fluids, water glycol, water/oil emulsions, and HWCF (high water content fluids) over 150°F.
- Donaldson Synteq® synthetic filter media is compatible with petroleum based fluids, most phosphate esters, water oil emulsions, and HWCF (high water content fluids).

All HDK06 filter cartridges are 16"/406mm in length.



# HDK06 Service Parts

Not all service parts are in-stock.  
Call for availability.



**Optional Tee Handle for Easier Servicing!**

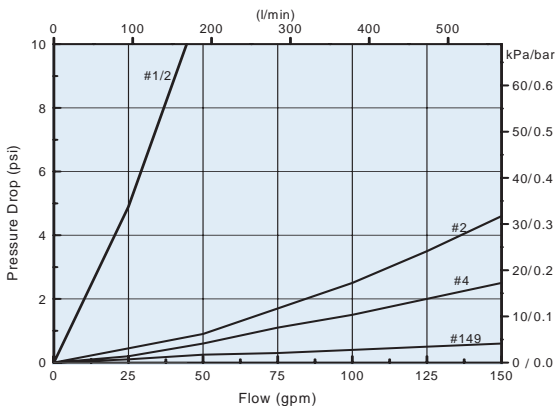
The first step in changing the HDK06 cartridge is loosening the top nut with a wrench. Our optional tee handle makes this job easier. The P160135 kit, comprised of the handle, an o-ring, and a clip ring, replaces the entire top nut assembly.

Low Pressure Filters

## Performance Data

For a full explanation of how our performance curves were derived, see page 160.

**HDK06 Element Only**



**HDK06 Head Only**

