



Кому:

Куда:



## FIK04 Combo

Max Flow: 79 gpm (300 lpm)



# FIK04 Suction/Return Combination In-Tank Filters

**Working Pressures to:** 145 *psi*  
10 bar

**Rated Static Burst to:** 217 *psi*  
15 bar

**Flow Range to:** 79 *gpm*  
300 *lpm*

## Features

The FIK04 series of tank-mounted suction and return filters are popular choices for hydrostatic transmissions. The filtered flow is maintained at a slight backpressure to provide clean, pressurized oil, mainly for charge pumps in hydrostatic transmission systems. The pressurized flow is designed to reduce cavitation risks. This patented design uses an integrated main flow and bypass flow filter filter, which is capable of delivering filtered and pressurized oil, even in bypass situations. Emergency suction flow is also filtered. The FIK04 operates in a standard flow (outside to inside) configuration.

SAE O-Ring ports are standard to meet popular application requirements.

- 4-point mounting
- Head material: aluminum
- Housing material: steel
- Cover material: glass-filled nylon
- Buna-N® seals standard
- Main filters include integrated bypass filters

Buna-N® is a registered trademark of C. I. DuPont de Nemours and Company.



### Beta Rating (per ISO 16889)

- Performance to  $\beta_{11(c)}=1000$

### Porting Size Options

- Inlet: SAE-16, -20 O-ring
- Outlet: SAE-16 O-Ring

### Assembly Weight

- 10.8 lbs / 4.9 kg

### Replacement Filter Lengths

- 18.6"/472 mm

### Standard Bypass Rating

- 36 *psi* / 250 kPa / 2.5 bar

### Standard Backpressure Rating

- 7.3 *psi* / 50 kPa / 0.5 bar

### Operating Temperatures

- -22°F to 212°F / -30°C to 100°C

### Filter Collapse Pressure

- 145 *psid* / 1000 kPa / 10 bar

### Return Flow Rate

- 79 *gpm* (300 *lpm*)

### Emergency Suction Flow Rate

- 27 *gpm* (100 *lpm*)



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LOW PRESSURE FILTERS

## FIK04 Filter Assemblies

Donaldson Part No.	Inlet Port Connections	Outlet Port Connections	Bypass Valve	Emergency Suction	Comments	Indicator Includes
K041634	SAE-20 & SAE-16	(2) - SAE-16	36 psi (2.5 bar)	125 µm Wire	Combo 300	None, see below

## Filter Choices

Media Type	$\beta_{x(c)} = 1000$	Length (in./mm)	Part Number	Bypass	Comments
Synteq	11 µm	18.6"/472 mm	P765457	125 µm Wire	For Combo 300 Assemblies

### Filter Notes

- All  $\beta=1000$  filters utilize glass fiber media.
- Standard collapse designs are double wire-backed using epoxy-coated steel mesh for maximum pleat support and dirt capacity.
- All FIK04 filters are standard flow (outside to inside).
- Buna-N seals are standard on all FIK04 filters.

## Suction Filter Choices

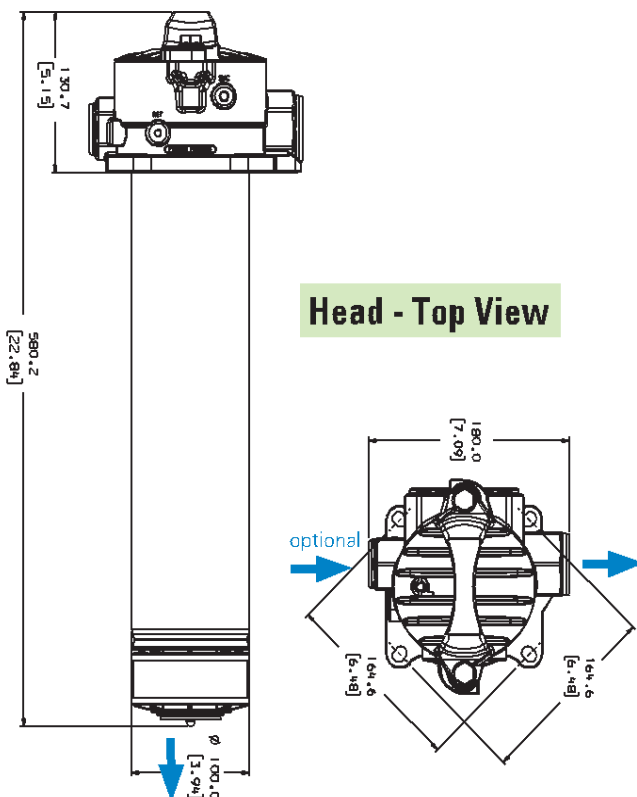
Media Type	$\beta_{x(c)} = 1000$	Length (in./mm)	Part Number	Comments
Wire Mesh	125 µm wire mesh	50.2 mm	P764183	For Combo 300 Assemblies

## Indicator Options

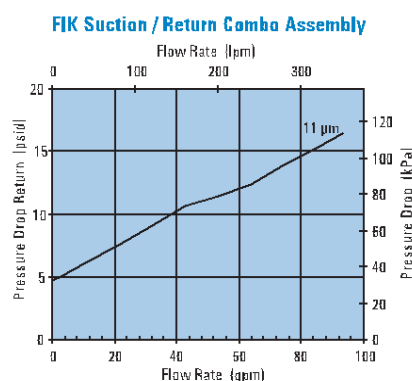
Part Number	Set Point	Style	Connection	Comments
P764467	36 psi (2.5 bar)	30 VDC, N.O.	G1/8"	for FIK Combo 300
P764613	36 psi (2.5 bar)	30 VDC, N.C.	G1/8"	for FIK Combo 300
P764612	36 psi (2.5 bar)	Visual	G1/8"	for FIK Combo 300

## Assembly - Side View

All dimensions are shown in millimeters [inches].



## Performance Data



### Flow Schematic

