



# Donaldson Delivers **Filter Buddy™** Handheld Portable Filtration System

The Donaldson Filter Buddy™ is a handheld portable system allowing you to kidney loop reservoirs that you normally cannot with larger filter carts. Its small size and light weight allows carrying up and down stairs and into tight or confined spaces. It also fits on top of a drum for convenient transferring and filtering from a drum to a reservoir.

The Filter Buddy features dual HMK04 filtration utilizing Donaldson's exclusive high efficiency Synteq™ media. The filters are plumbed in series giving you the option of coarse/fine particle removal or install a water absorbing filter for water/ particle removal.

### Notice

Donaldson Filter Buddys include electric motors and indoor use is recommended. Exposure to rain, snow and other elements may cause electric motors to fail. Failures that result from misapplication, improper use or storage are not covered by the Donaldson warranty.

Reference the aftermarket warranty: document no. F110064.

### Fluid Compatibility

Not for use with diesel fuel or gasoline. For fuel solutions, please contact the Donaldson Clean Solutions team at [clean.solutions@donaldson.com](mailto:clean.solutions@donaldson.com) or 800-518-7784.

### Applications

- Transferring New Oil
- Cleaning Stored Oil
- System Draining
- Line Flushing
- Hose Cleaning
- Kidney Loop Filtration
- Repairs and Equipment Rebuild Flushing
- Flushing During Equipment Commissioning



Features	Benefits
Rugged and durable frame	Enables long service life
Compact size	Allows filtration in hard to reach locations
High efficiency media grades	Cost effective filtration
Dual stage filtration	Coarse/fine or water/particulate removal
Overload protected switch	Prevents motor from overheating
Sample ports	Enables system cleanliness measurements

Applications	
Fluid transfer	Ensure that the fluid you are transferring from a drum or tote is clean.
Offline filtration	Supplement existing filtration to achieve target ISO cleanliness levels.
Water removal	Using Donaldson water removal filters to remove free water from the system.
Filter new fluid	Clean up new fluids because they are usually highly contaminated. Don't contaminate your equipment with new fluids. Protect your equipment with proper filtration.

# Filter Buddy™ Assembly Choices

**NOTE: FILTERS ORDERED SEPARATELY**

## The Importance of Temperature When Selecting a Filter Cart

Consider operating temperature ranges when determining the proper viscosity filtration solution. It's crucial to select the proper viscosity option to maintain adequate flow and avoid restriction. Refer to the oil viscosity with temperature chart located on the front cover of the catalog.

**Example: ISO Grade 32 Hydraulic Oil @ 68°F = 86.7 (cSt)**

Assembly Part No.	Low Viscosity Max Viscosity 900 SUS (200 cSt)* Filters ordered separately		High Viscosity Max Viscosity 8000 SUS (1700 cSt)* Filters ordered separately	
	X011303		X011304	X011305
<b>Operating Temperature Range:</b>	----- -10° F to 160° F (-23° C to 71° C) -----			
<b>Electrical Service:</b>	115 volts: 8.4 amp, single phase, 60 Hz			
<b>Gear Pump Flow Rate*:</b>	2 gpm (7.6 lpm)	1.8 gpm (6.8 lpm)	5 gpm (18.9 lpm)	
<b>TEFC** Motor: Totally Enclosed Fan-Cooled</b>	1/2 hp, 1725 rpm	3/4 hp, 1725 rpm	1 1/2 hp, 1725 rpm	
<b>Compatibility:</b>	----- Mineral-based fluids, water glycols, polyol esters -----			
<b>Hose: terminated with male NPT connections</b>	<b>Suction:</b> 4' (1.2m) Length, 3/4" (1.9 cm) OD		<b>Suction:</b> 4' (1.2m) Length, 1" (2.5cm) OD	
	<b>Discharge:</b> 7' (2.1m) Length, 1/2" (1.3 cm) OD		<b>Discharge:</b> 7' (2.1m) Length, 3/4" (1.9 cm) OD	
<b>P573154 Stainless Steel Wand Kit (optional):</b>	----- Suction: 40' (1.0 m) Length Discharge 20' (.5 m) Length -----			
<b>Dry Weight:</b>	Approximately 55 lbs. (25 kg)	Approximately 65 lbs. (29 kg)	Approximately 90 lbs. (40 kg)	
<b>Dimensions:</b>	Height: 21" (533 mm) Width: 13" (330 mm) Length: 26" (660 mm)		Height: 25" (635 mm) Width: 13" (330 mm) Length: 26" (660 mm)	

**Filter Notes:** ----- Requires 2 Filters -----

## Filter Choices for X011303 and X011304

Media Type	$\beta_{x(c)} = 2$ Rating based on ISO 16889	$\beta_{x(c)} = 1000$	Length in mm	Donaldson Part No.
Synteq Synthetic	<4 $\mu$ m	9.4	240	P165185 <sup>1</sup>
	6 $\mu$ m	5.97	152	P165354
	6 $\mu$ m	9.4	240	P165332
	11 $\mu$ m	5.97	152	P163542 <sup>2</sup>
	11 $\mu$ m	5.97	152	P164375
	11 $\mu$ m	9.4	240	P164378
	13 $\mu$ m	9.4	240	P164056 <sup>1</sup>
	14 $\mu$ m	9.4	240	P177047
	22 $\mu$ m	9.4	240	P164059 <sup>1</sup>
	23 $\mu$ m	9.4	240	P163567 <sup>2</sup>
	23 $\mu$ m	5.97	152	P164381
	23 $\mu$ m	9.4	240	P164384
	50 $\mu$ m	5.97	152	P165335
	50 $\mu$ m	9.4	240	P165338
Water Absorbing	10 $\mu$ m	9.4	240	P560584

## Filter Choices for X011305

Media Type	$\beta_{x(c)} = 2$ Rating based on ISO 16889	$\beta_{x(c)} = 1000$	Length in mm	Donaldson Part No.
Synteq Synthetic	<4 $\mu$ m	14.2	361	P564468
	6 $\mu$ m	11.6	294	P165675
	6 $\mu$ m	11.6	294	P171274 <sup>1</sup>
	6 $\mu$ m	14.2	361	P179763
	11 $\mu$ m	7.6	193	P176207
	11 $\mu$ m	11.6	294	P165659
	11 $\mu$ m	11.6	294	P171275 <sup>1</sup>
	11 $\mu$ m	14.2	361	P170949
	23 $\mu$ m	7.6	193	P176208
	23 $\mu$ m	11.6	294	P165569
	23 $\mu$ m	11.6	294	P171276 <sup>1</sup>
	23 $\mu$ m	14.2	361	P173789
	50 $\mu$ m	11.6	294	P165672
	50 $\mu$ m	14.2	361	P573353
Water Absorbing	10 $\mu$ m	11.6	294	P179075

<sup>1</sup>Viton® O-rings are required when using diester, phosphate ester fluids, water glycol, water/oil emulsions and HWWCF (high water content fluids) over 150°F.

<sup>2</sup>500 psi collapse

Filter Notes: • Standard filter collapse rating is 150 psi, except as noted.

- X011303 and X011304 thread sizes: 1 3/8" -12 UNF-2B (HMK04)
- X011305 thread size: 1 3/4" -12 UNF-2B (HMK05)
- Refer to table in the Technical Reference Guide for fluid compatibility with our filter media.

If one of our standard filter buddies doesn't meet your requirements, we will refer you to a qualified 3rd party that can help you build a customized solution featuring top-quality Donaldson filtration products. **For a custom built solution, please call 1-866-514-0012.**



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[donaldsonfilters.com](http://donaldsonfilters.com)  
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