

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 or 800-374-1374.

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
Integrated safety relieve valve	Protects against over pressurization

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 [‡]
Operating Temperature Range:	-10° F to 160° F (-23° C to 71° C)		
Electrical Service:	115 volts: 8.4 amp, single phase, 60 Hz		
Gear Pump Flow Rate*:	2 gpm (7.6 lpm)	1.8 gpm (6.8 lpm)	5 gpm (18.9 lpm)
TEFC** Motor: Totally Enclosed Fan-Cooled	1/2 hp, 1725 rpm	3/4 hp, 1725 rpm	1 1/2 hp, 1725 rpm
Compatibility:	Mineral-based fluids, water glycols, polyol esters		
Hose: terminated with male NPT connections	Suction: 4' (1.2m) Length, 3/4" (1.9cm) OD	Suction: 4' (1.2m) Length, 1" (2.5cm) OD	
	Discharge: 7' (2.1m) Length, 1/2" (1.3cm) OD	Discharge: 7' (2.1m) Length, 3/4" (1.9cm) OD	
P573154 Stainless Steel Wand Kit (optional):	Suction: 40" (1.0m) Length Discharge 20" (.5m) Length		
Dry Weight:	Approximately 55 lbs. (25 kg)	Approx. 65 lbs. (29 kg)	Approx 90 lbs. (40 kg)
Dimensions:	Height: 21" (533mm) Width: 13" (330mm) Length: 26" (660mm)	Height: 25" (635mm) Width: 13" (330mm) Length: 26" (660mm)	
Filter Notes:	Requires 2 Filters		

*These part numbers now have relief valves in the pump. The relief valve setting is: 10.3 bar (150 PSI)

Filter Choices for X011303 & X011304

Media Type	$\alpha_{x(c)} = 1000$	$\beta_{x(c)} = 2$	$\beta_{x(c)} = 1000$	Length		Part No.
	Rating based on ISO 23369	Rating based on ISO 16889		in	mm	
Synteq Synthetic			<4 μm	9.4	240	P165185 ¹
			6 μm	5.97	152	P165354
			6 μm	9.4	240	P165332
Alpha-Web	10 μm			5.97	152	DBH3542
Synteq Synthetic			11 μm	5.97	152	P163542 ²
			11 μm	5.97	152	P164375
			11 μm	9.4	240	P164378
			13 μm	9.4	240	P164056 ¹
			14 μm	9.4	240	P177047
			22 μm	9.4	240	P164059 ¹
			23 μm	9.4	240	P163567 ²
			23 μm	5.97	152	P164381
			23 μm	9.4	240	P164384
			50 μm	5.97	152	P165335
			50 μm	9.4	240	P165338
Water Absorbing		10 μm		9.4	240	P560584

Filter Choices for X011305

Media Type	$\alpha_{x(c)} = 1000$	$\beta_{x(c)} = 2$	$\beta_{x(c)} = 1000$	Length		Part No.	Comments
	Rating based on ISO 23369	Rating based on ISO 16889		in	mm		
Synteq Synthetic			<4 μm	14.2	361	P564468	
			6 μm	11.6	294	P165675	
			6 μm	11.6	294	P171274 ¹	
			6 μm	14.2	361	P179763	
			10 μm	14.2	361	DBH0949	
Synteq Synthetic			11 μm	7.6	193	P176207	
			11 μm	11.6	294	P165659	
			11 μm	11.6	294	P573996 ¹	
			11 μm	14.2	361	P170949	
			23 μm	7.6	193	P176208	
			23 μm	11.6	294	P165569	
			23 μm	11.6	294	P171276 ¹	
			23 μm	14.2	361	P173789	
			50 μm	11.6	294	P165672	
			50 μm	14.2	361	P573353	
Water Absorbing		10 μm		11.6	294	P179075	Absorbs 300 ml water

1. Fluorocarbon o-rings are required when using diester, phosphate ester fluids, water glycol, water/oil emulsions and HWCF (high water content fluids) over 150°F.

2. 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.