

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 Buddies 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 800-518-7784.

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	High Viscosity	
	Max Viscosity 900 SUS (200 cSt)* Filters ordered separately	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		
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	----- 60 Hz: 1 hp -----		
Compatibility:	----- Mineral-based fluids, water glycols, polyol esters -----		
Hose: terminated with male NPT connections	Suction: 4' (1.2m) Length, ¾" (1.9 cm) OD	Suction: 4' (1.2m) Length, 1" (2.5cm) OD	
	Discharge: 7' (2.1m) Length, ½" (1.3 cm) OD	Discharge: 7' (2.1m) Length, ¾" (1.9 cm) OD	
P573154 Stainless Steel Wand Kit (optional):	----- Suction: 40" (1.0 m) Length Discharge 20" (.5 m) Length -----		
Dry Weight:	Approximately 55 lbs. (25 kg)	Approximately 65 lbs. (29 kg)	Approximately 90 lbs. (40 kg)
Dimensions:	Height: 21" (533 mm) Width: 13" (330 mm) Length: 26" (660 mm)	Height: 25" (635 mm) Width: 13" (330 mm) Length: 26" (660 mm)	
		----- Requires 2 Filters -----	

Filter Choices for X011303 and X011304

Media Type	$\beta_{x(e)} = 2$ Rating based on ISO 16889	$\beta_{x(e)} = 1000$ Rating based on ISO 16889	Length in mm	Donaldson Part No.	Comments
Synteq Synthetic	<4 µm	9.4	240	P165185 ¹	
	7 µm	6	52	P165354	
	7 µm	9.4	240	P167590	
	7 µm	9.4	240	P165332	
	9 µm	6	152	P163542	
	9 µm	6	152	P164375	
	9 µm	6	152	P176565	
	9 µm	9.4	240	P173737	300 psi collapse
	9 µm	9.4	240	P176566	
	9 µm	9.4	240	P164378	
	9 µm	9.4	240	P170950	300 psi collapse
	9 µm	9.4	240	P163555	300 psi collapse
	13 µm	9.4	240	P164056 ¹	
	14 µm	9.4	240	P177047	
	22 µm	9.4	240	P164059 ¹	
	23 µm	6	152	P163315	
	23 µm	9.4	240	P163567	
	25 µm	6	152	P164381	
	25 µm	9.4	240	P164384	
	50 µm	6	152	P165335	
	50 µm	9.4	240	P165338	
Water Absorbing	10 µm	9.4	240	P560584	

Filter Choices for X011305

Media Type	$\beta_{x(e)} = 2$ Rating based on ISO 16889	$\beta_{x(e)} = 1000$ Rating based on ISO 16889	Length in mm	Donaldson Part No.
Synteq Synthetic	<4 µm	14.2	361	P564468
	7 µm	11.6	294	P170906
	7 µm	11.6	294	P171273 ¹
	7 µm	11.6	294	P165675
	7 µm	11.6	294	P171274 ¹
	7 µm	14.2	361	P179763
	9 µm	7.6	193	P176207
	9 µm	11.6	294	P176567
	9 µm	14.2	361	P170949
	9 µm	11.6	294	P165659
	9 µm	11.6	294	P171275 ¹
	23 µm	7.6	193	P176208
	23 µm	11.6	294	P165569
	23 µm	11.6	294	P171276 ¹
	25 µm	14.2	361	P173789
	50 µm	11.6	294	P165672
	50 µm	14.2	361	P170546
Water Absorbing	10 µm	11.6	294	P179075

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)

¹ Viton O-ring, epoxy seals. Filters with seals made of Viton®(a fluoroelastomer) are required when using diester, phosphate ester fluids, water glycol, water/oil emulsions and HWCF (high water content fluids) over 150°F. Donaldson offers both types.