

# Filter Panels Fixed-Mount Offline Filtration



The Donaldson filter panels provide fixed-mount offline filtration and a turnkey approach to supplemental filtration. It isn't necessary for you to design and build a system, simply choose the desired flow rate and media grades, and let Donaldson build one for you.

Machinery and equipment are often designed with inadequate filtration, which will greatly decrease the life of your equipment and increase maintenance costs. Donaldson filter panels provide supplemental filtration for your in-plant machinery and hydraulic equipment helping to reduce costs and achieve and maintain proper ISO cleanliness levels.



Donaldson filter panels are offered in 3 gpm, 5 gpm and 10 gpm (11.4, 18.9 and 37.9 l/min) models. Reservoir size, fluid viscosity and fluid temperature will help determine the correct flow rate. Filter panels feature dual HMK05 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 element for water/particle removal.

Features	Benefits
High efficiency media grades	Cost effective filtration
Dual stage filtration	Coarse/Fine or Water/Particulate removal
Differential pressure indicators	Alerts you when to change filters
Optional overload protected switch	Prevents motor/pump from overheating
Sample port	Enables system cleanliness measurements

Applications	
Offline filtration	Supplement existing filtration to achieve target ISO cleanliness levels.
Water removal	Using Donaldson water removal elements can help 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 Panels Ordering Code



## Example

Model	Flow Rate Table 1	Power Supply Table 2	Start/Stop Switch Table 3	Pressure Filter #1 Table 4	Pressure Filter #2 Table 5
<b>DFP</b>	10	P1	N	WA	10

Select one option from each table below.  
(See example shown above.)

**TABLE 1**  
Flow Rate

3	3 gpm
5	5 gpm
10	10 gpm

**TABLE 2**  
Power Supply

P1	110 VAC / 60 Hz
P2	110 VAC / 50 Hz
P3	230 VAC / 60 Hz
P4	230 VAC / 50 Hz

**TABLE 3**  
Stop/Start Switch

Y	Yes
N	No

**TABLE 4**  
Pressure Filter #1

WA	Water Absorbing
4	Synteq® Beta 1000 at <4 micron
9	Synteq Beta 1000 at 9 micron
11	Synteq Beta 1000 at 11 micron
23	Synteq Beta 1000 at 23 micron

**TABLE 5**  
Pressure Filter #2

WA	Water Absorbing
4	Synteq® Beta 1000 at <4 micron
9	Synteq Beta 1000 at 9 micron
11	Synteq Beta 1000 at 11 micron
23	Synteq Beta 1000 at 23 micron

## Element Chart

Micron Rating				
WA	4	9	11	23
P179075	P564468	P179763	P170949	P173789

## Specifications

	Flow Rates		
<b>Gear Pump:</b>	3 gpm (11.4 l/min)	5 gpm (18.9 l/min)	10 gpm (37.9 l/min)
<b>Electrical Service:</b>			
115 volts	8.4 amp	16 amp	20 amp
230 volts	4.2 amp	8 amp	10 amp
<b>Motor:</b>	½ hp TEFC	¾ hp TEFC	1 hp TEFC
<b>Maximum Recommended Viscosity:</b>	500 SUS (108 cSt)	500 SUS (108 cSt)	500 SUS (108 cSt)
<b>Compatibility:</b>	Mineral-based fluids, Water glycols, Polyol esters		
<b>Connections:</b>	Inlet (pump): SAE 12 O-Ring Outlet: SAE 20 O-Ring		
<b>Weight:</b>	Approx. 95 lbs. (43 kg)		
<b>Dimensions:</b>	Height: 20" (508 mm) Width: 36" (915 mm) Depth: 8" (203 mm)		



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