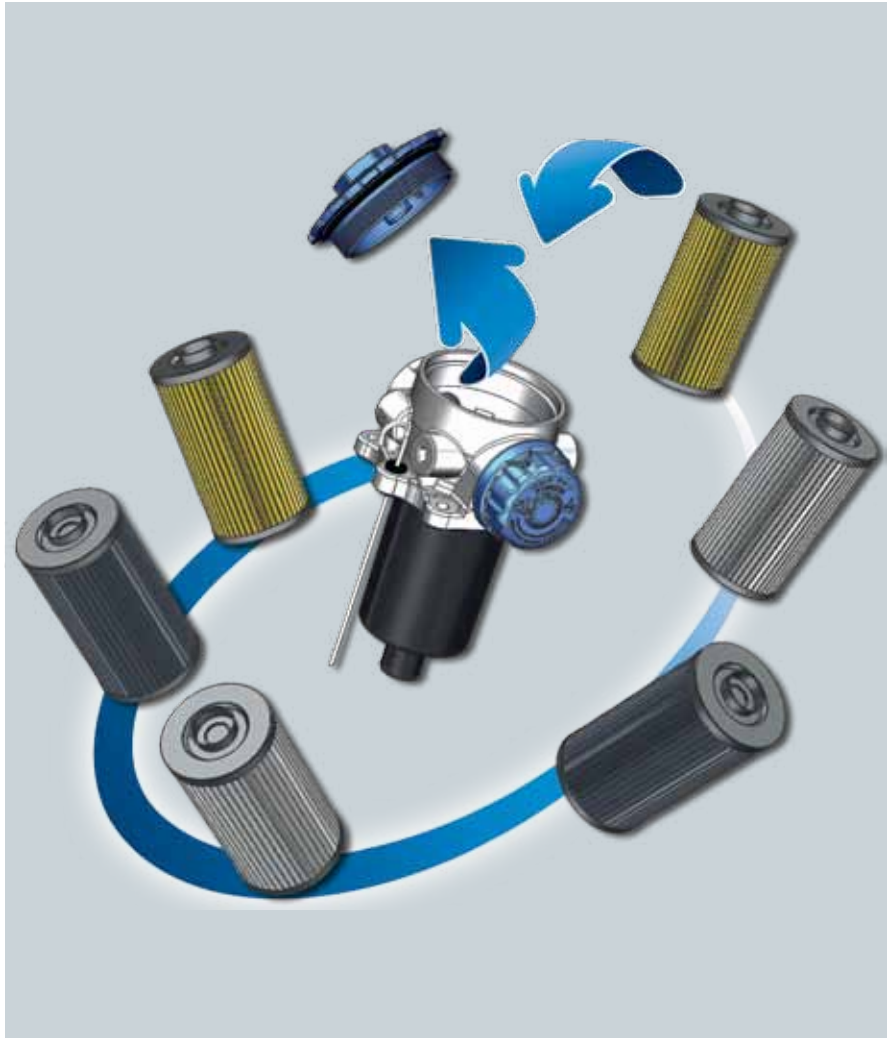




DONALDSON DELIVERS

## The essentials of Mix&Match hydraulic filters



### MIX&MATCH TO GET WHAT YOU NEED

Mix&Match is introduced to provide you more flexibility and a higher availability of hydraulic products.

Donaldson's Mix&Match system provides the great performance and functional advantages of custom-engineered filters with the convenience and speedy delivery of in-stock parts.

Choose your options and build a filter model that exactly suits your cleanliness requirements.

# Typical hydraulic selection of filtration solutions

## Hydraulic filter locations - Comprehensive selection of filtration solutions



Filter Symbol in a Circuit



### Pressure Line Filter

Protects high-pressure side components. Helps prevent component wear or failure brought about by debris in the system.



### In-Line Accessories

Pressure gauges for monitoring system pressure. Hoses and test points for sampling oil and determining ISO cleanliness levels. Flanges and valves for system control.



### Suction Line Filter

Designed to remove particles in the 5 to 150 micron range. Easy to service and less expensive than other types of filters. Low by-pass valve use recommended to prevent pump starvation.



### Return Line Filter

Captures debris from component wear or ingress before it travels into the reservoir.



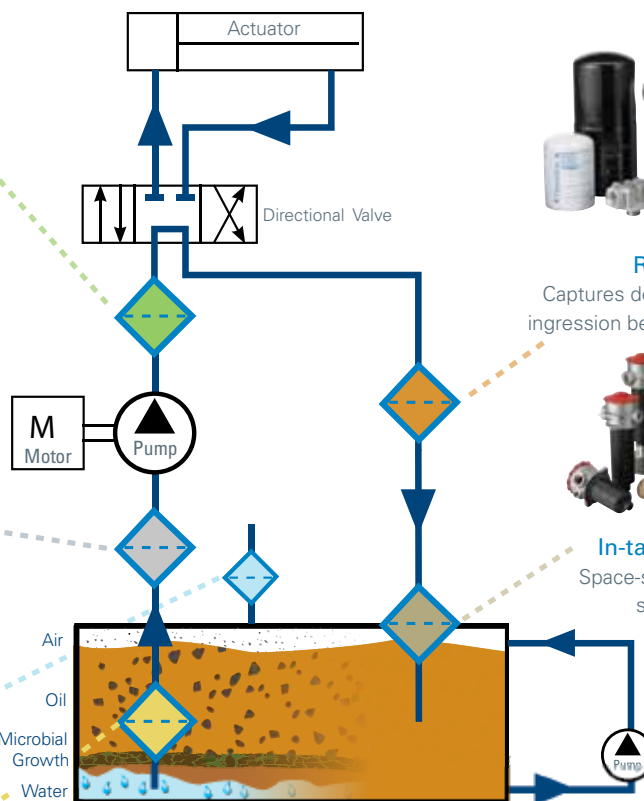
### Reservoir Air Breather

Prevents ingress of airborne contaminants from entering the reservoir tank.



### In-tank Return Line Filter

Space-saving in-tank return and suction line filters.



### Reservoir Tank

Water in reservoir tanks is a serious threat to hydraulic systems. Dirt, particles and microbial growth are also common contaminants existing in tanks.



### Suction Strainer

Removes large particles or objects built into the system during assembly or introduced during standard maintenance. Prevents catastrophic failure.



### Reservoir Accessories

Sight and level gauges available. Diffusers are used for effectively reducing aeration, foaming, turbulence and noise caused by return lines.



## The idea of Mix&Match

Same cartridge size, different media

One housing for all different efficiencies



Mix&Match is introduced to provide you more flexibility and a higher availability of hydraulic products.

## How to create your hydraulic product via the catalogue

The tables are composed in such a way that all components that fit together are on 1 row.

1. Pick the product series depending from the position in the hydraulic system, the working pressure and the required flow
2. Pick the required element based upon flow and efficiency
3. Follow this row to the right and the available (empty) housing is shown
4. Pick the indicator of your choice (make sure that it fits the predrilled hole).

	WIRE MESH				CELLULOSE MEDIA			Standard Housing without Cartridge							
	/β		/β		/β				A	B	C	D	E	E1	
	90µm		60µm		β <sub>0.5</sub> ≥1000		β <sub>0.5</sub>			mm	mm	mm	mm	mm	
Family	RMF		RMF		RMF		RMF								
FIO20	20	P171500	20	P171505	15	P171504	15	➡	P766446	G3/8	67	78	132	6,4	90
FIO30	30	P171500	30	P171505	20	P171504	20	➡	P766447	G1/2	67	78	132	6,4	90
FIO50	50	P171518	50	P171523	35	P171522	35	➡	P766448	G1/2	90	100	172	8,4	115

All cartridges are delivered with a sticker, with the Donaldson cartridge spare part number, that will mark the housing from the outside. All complete Mix&Match filters need to have this sticker attached to the outer housing.

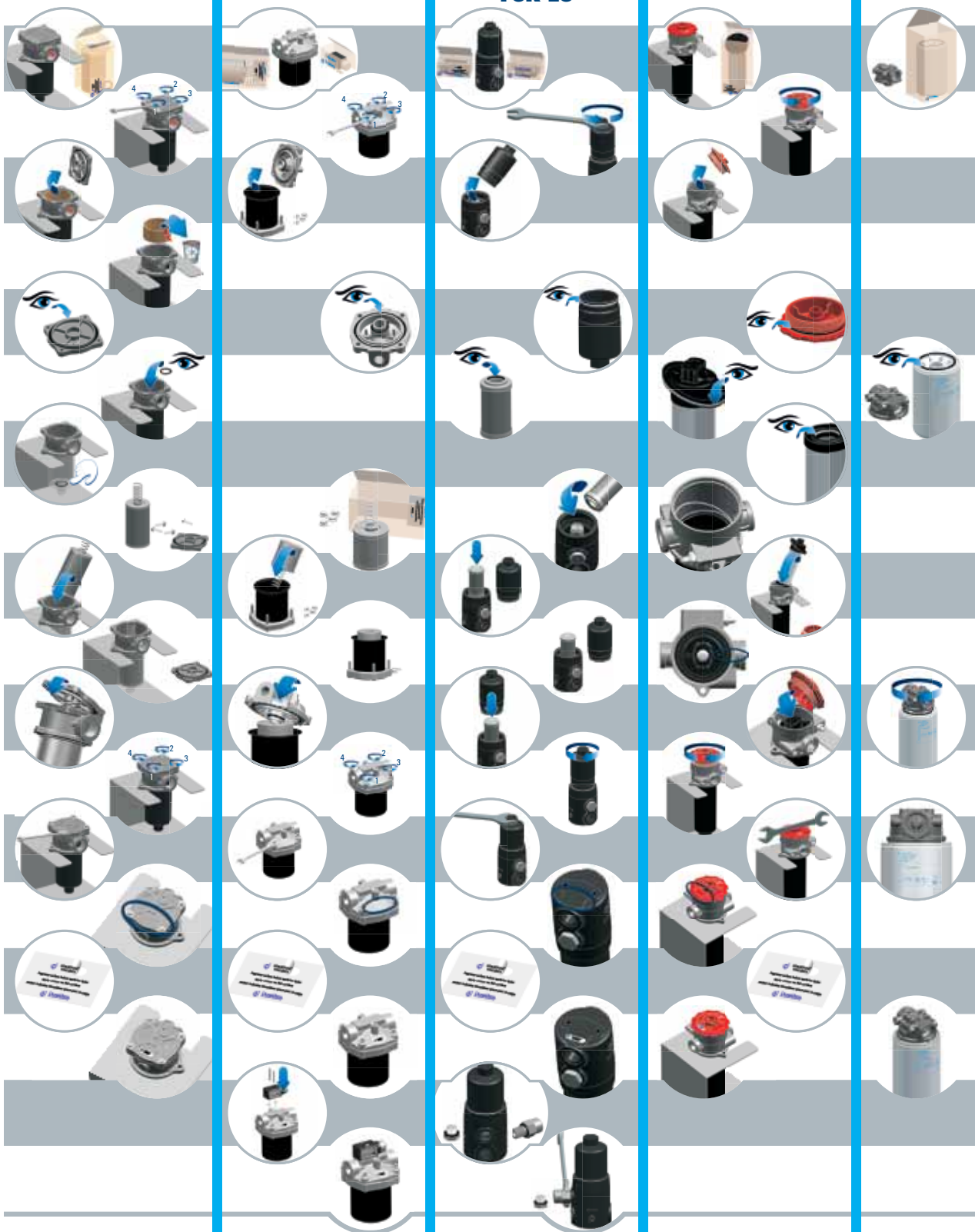
**FIK-FIO(T)**  
**FHK-FIR**  
**SRK-Combo**  
**200 + 300**

**FLK-FLS**  
**FLK-FLA**

**FPK02&04-AP220**  
**FPK02-AP280**  
**FPK03&04-AP420**  
**FMK-FM**  
**FCK-LC**

**FIK-FIS**  
**SRK-Combo 120**

**FBK-FRCA**  
**FBK-FACA**  
**HMK04**  
**HMK05**



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