

Oil adsorbent filtration POMF



The BETA POMF filter series offers a broad spectrum of oil adsorbing options for light duty through to the most critical applications. Designed to remove a full range of non-emulsified oil and dirt from process streams the series includes the POMB, PSORB, OWS and 500 series configurations.

POMB Series

Ideal for applications with standard flow and low oil concentration; the POMF series is the first line of defense for fluid streams where trace oils are an issue.



Particulate and Oils

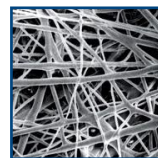
POMF multi-layer construction makes use of the dirt loading attributes of needle felt media combined with the oil adsorbing capabilities of polypropylene microfibre. This combination creates a double-duty filter by removing both particulate and traces of non-emulsified oils from process streams.



Standard and Light Duty

The POMF filter series is fully customizable and is available in

micron ratings ranging from 1 μ through to 200 μ to ensure the desired particulate retention. In addition, a light duty version of the POMF, (the POMF OALT) is available where oil concentrations are low.



Oil Adsorbing Microfibre

Polypropylene microfibre is well known for its ability to adsorb oil. Its chemical composition and unique pore structure serve as a magnet to non-emulsified oils. Oils are drawn to, and trapped within, the multitude of void in the microfibre media. As a result, microfibre media can hold up to 7 times its weight in oil, dependent upon process variables such as the oil viscosity and process flow rate.



Oil adsorbent filtration POMB

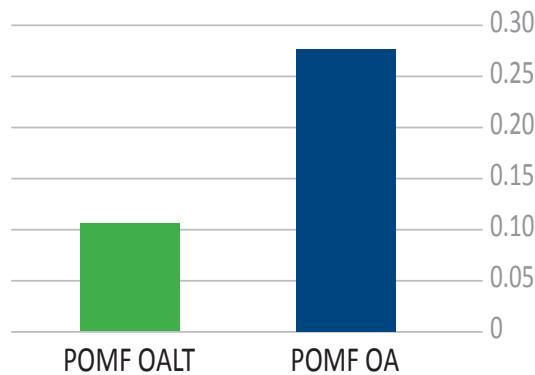


Thermally bonded cover prevents downstream migration



Inner layer customizable to meet desired filtration level

Oil Adsorption Capacity (litres)



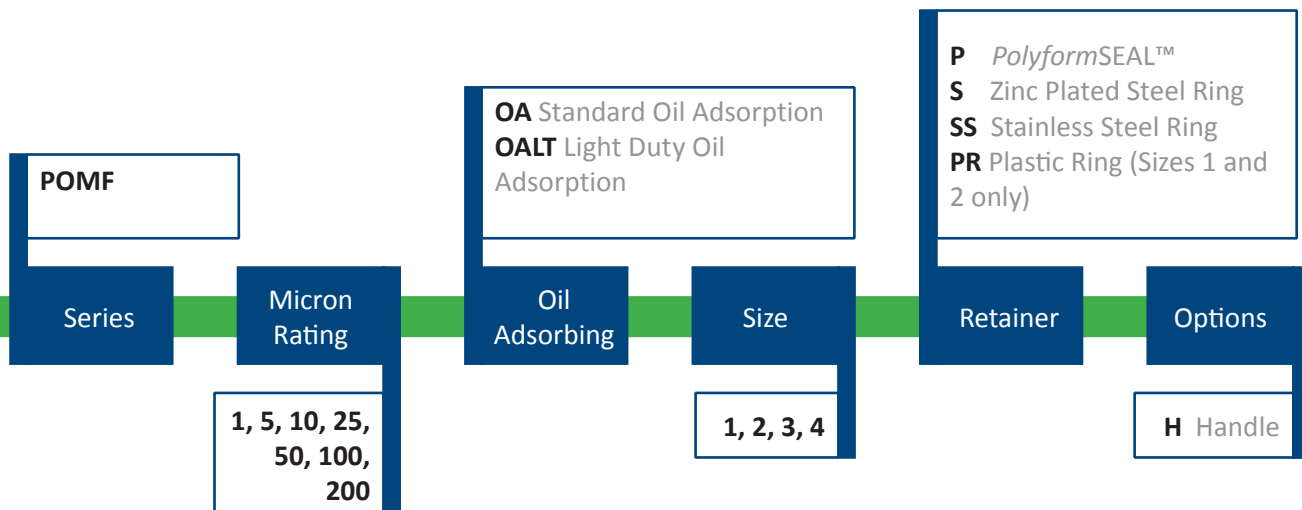
FILTER DIMENSIONS		MAXIMUM FLOW RATE	
Size	Dimension	gpm	m ³ /h
1	7 Ø x 16.5 in / 178 Ø x 419 mm	60	14
2	7 Ø x 32 in / 178 Ø x 813 mm	100	23
3	4 Ø x 8 in / 102 Ø x 203 mm	20	5
4	4 Ø x 14 in / 102 Ø x 355 mm	40	9
Maximum Operating Temperature			
PO		200 °F	93 °C
Recommended change out at a maximum differential pressure of 25 psi / 1.72 bar			

Applications

Typical applications suited to BETA POMB

Filters:

- Industrial Parts Manufacturing
- Chemical Process
- Industrial Process Water



Product Codes Example: POMF 5 OA2P

