



General Filtration's High Efficiency filter bags have been designed for demanding applications that require critical particle size retention and dirt holding capacity. Constructed from chemically resistant polypropylene microfibre for a wide range of process applications, these filter bags can achieve particle retention efficiency of up to 99.9%†

Product Specification

POMF High Efficiency filter bag series available in 0.5, 1, 2, 5, 10, 25 micron

Material of construction

Pre-filter:	Polypropylene microfibre
Filter media:	Polypropylene microfibre
Outer cover:	Spunbond Polypropylene
Retainer:	Polypropylene <i>PolyformSEAL™</i>
	Steel ring, stainless steel ring, plastic ring

Filter dimensions

			Maximum flowrate			
Size 1:	178 Ø x 419mm	7 Ø x 16.5in	14	m ³ /h	60	gpm
Size 2:	178 Ø x 813mm	7 Ø x 32 in	23	m ³ /h	100	gpm
Size 3:	102 Ø x 203mm	4 Ø x 8 in	4.5	m ³ /h	20	gpm
Size 4:	102 Ø x 355mm	4 Ø x 14 in	9	m ³ /h	40	gpm

Maximum operating temperature 93 °C 200 °F

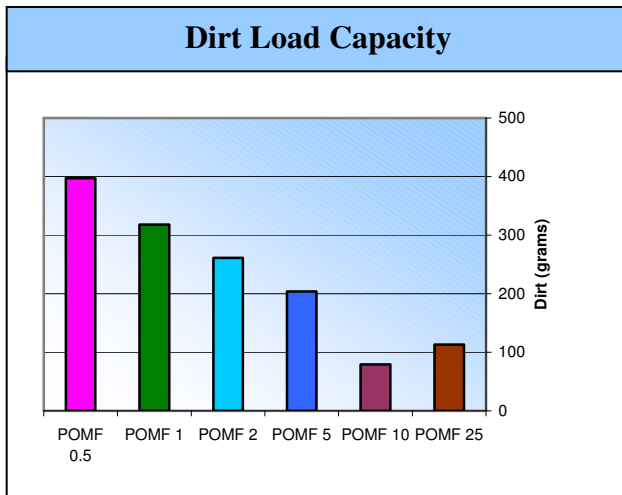
Suggested maximum differential pressure 1.72 bar 25 psi

Product codes								
POMF	1		HE		2	S		H
Series	Micron rating		Cover		Size	Retainer		Options
POMF	0.5	0.5µm	HE	High Efficiency	1	P	<i>PolyformSEAL™</i>	-
	1	1µm			2	S	Zinc plated steel ring	H Handle
	2	2µm			3	SS	Stainless Steel ring	
	5	5µm			4	PR	Plastic ring*	
	10	10µm						
	25	25µm						

*Sizes 1 and 2 only

† Verified by independent laboratory testing using latex beads yielding efficiencies up to 99.9% under controlled laboratory conditions

Performance Data



- Constructed from 100% polypropylene microfibre manufactured from FDA and EU compliant resins (21 CFR Part 177 and EC directive 2002/72/EU).
- Multi-layer graded-density construction provides depth filtration, extended service life, and high dirt holding capacity.
- Available with steel ring, stainless steel ring, or *PolyformSEAL* plastic flange.

Filter Model	Particle Size at 99% Removal Efficiency
POMF 0.5	0.5µm
POMF 1	1µm
POMF 2	2µm
POMF 5	5µm
POMF 10	10µm
POMF 25	25µm

Efficiency data provided by independent testing laboratory. Filters challenged with latex beads in water at a flow rate of 1 LPM

Clean pressure drop and dirt load data for standard size 2 filter bag

