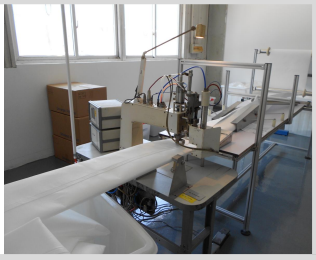
LCR • AGF • PGF
High Efficiency Absolute Rated Filter Bag

High Efficiency absolute rated filter bag designed for your long service life, high dirt load application with demand for absolute particle removal efficiency, it is also effective in removing gelatinous contamination due to its unique structure.

- It made of melt blown Polypropylene microfiber in several layer effectively removal particle of up to 99% efficiency.
- The combination of microfiber media break up the gels and retain them within the media.
- Special structure deliver both long service life and absolute filtration.
- High contaminant holding capacity
- Pure Polypropylene media contain no silicone oil, ideally for application in automotive paint and coating industry.
- Additionally, excellent oil absorbency of polypropylene microfiber makes LCR series bags ideally suited to the oil removal needs of paint and coating industry.

Filter Bag Standard Sizes

Description	Size No.	Diameter	Length	Flow Rate	Max. Service Temperature	Suggested D/P of bag change- out
LCR	# 01	182mm	420mm	12m^3/h	80°C	0.8-1.5bar
LCR	# 02	182mm	810mm	25m^3/h	80°C	0.8-1.5bar
AGF	# 01	182mm	420mm	8m^3/h	80°C	0.8-1.5bar
AGF	# 02	182mm	810mm	15m^3/h	80°C	0.8-1.5bar
PGF	# 02	182mm	810mm	10m^3/h	80°C	0.8-1.5bar

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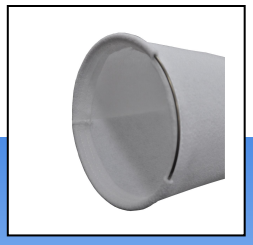
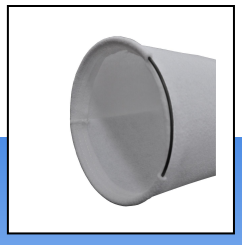
Filter Bag Top Sealing Options

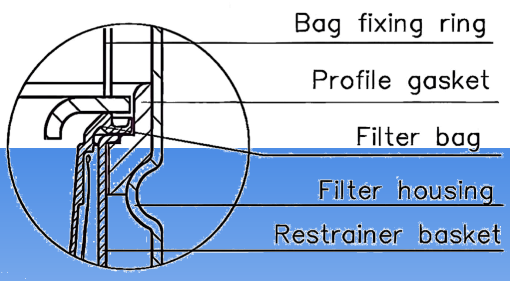
"S"
Zinc Coated Ring

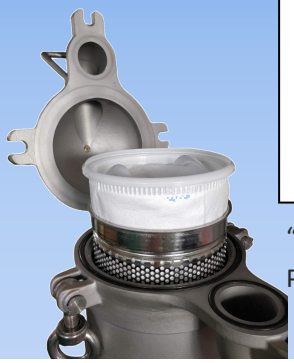


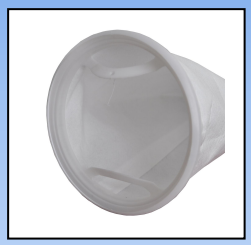
"A"
Stainless steel Ring



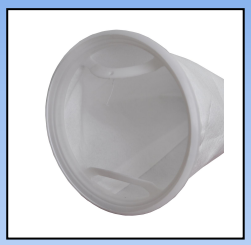
"P"
SS304 Ring with fluoropolymer coating





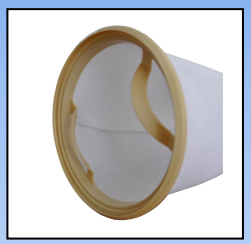


"E"
Polypropylene Collar



"H"
Polyethylene Collar

"T"
Polyester Collar



"N"
Nylon Collar

Filter Bag Selection

Bag Description	Filter Bag Size	Particle Size Removal Efficiency			ΔP (psi) Size 02 @ 44 GPM (10 m³/h)	Dirt-holding capacity
		>90%	>95%	>99%		
LCR-113, 123	#01, #02	1	2	4	0.025	250g
LCR-114, 124	#01, #02	2	3	5	0.02	250g
LCR-115, 125	#01, #02	4	8	10	0.01	250g
LCR-116, 126	#01, #02	6	13	15	<0.01	250g
LCR-118, 128	#01, #02	28	30	40	<0.01	250g
LCR-119, 129	#01, #02	25	28	30	<0.01	250g
LCR-130	#01, #02	14	15	25	0.05	250g
LCR-522	#01, #02	1	2	3	0.13	1000g
LCR-525	#01, #02	2	4	6	0.08	1000g
LCR-527	#01, #02	5	9	13	0.008	1000g
LCR-529	#01, #02	20	23	32	<0.005	1000g

LCR-123-T02E	LCR-529-T02E	LCR-113-T02E	LCR-522-T01E
			

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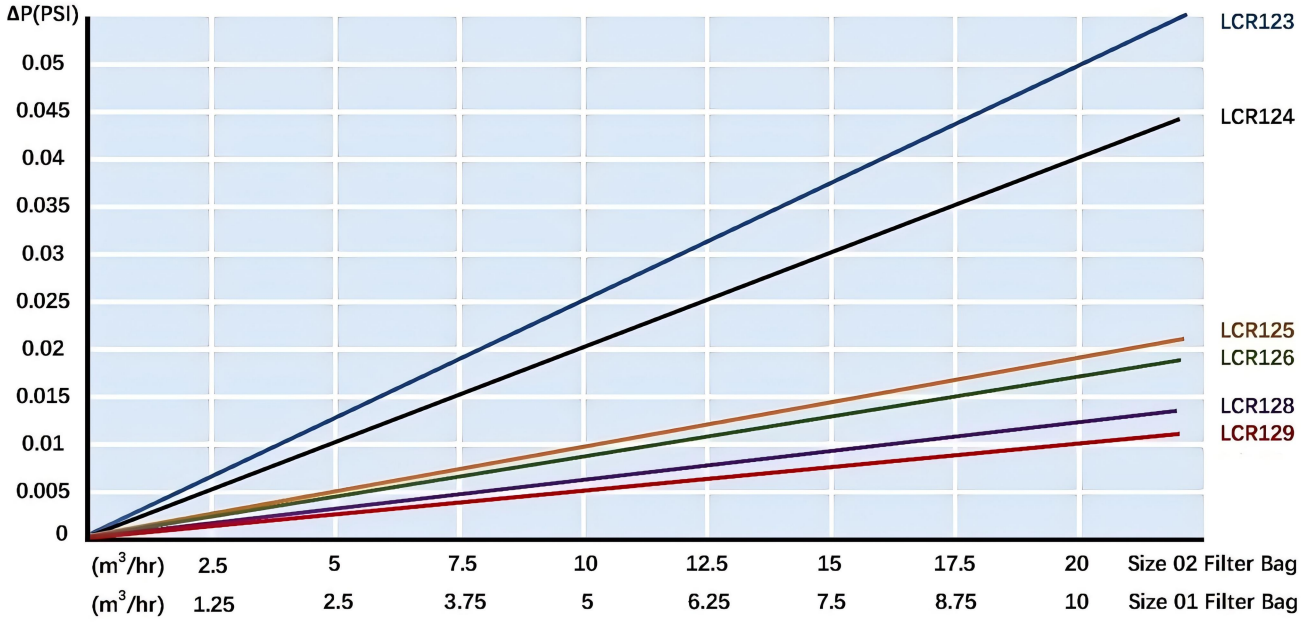
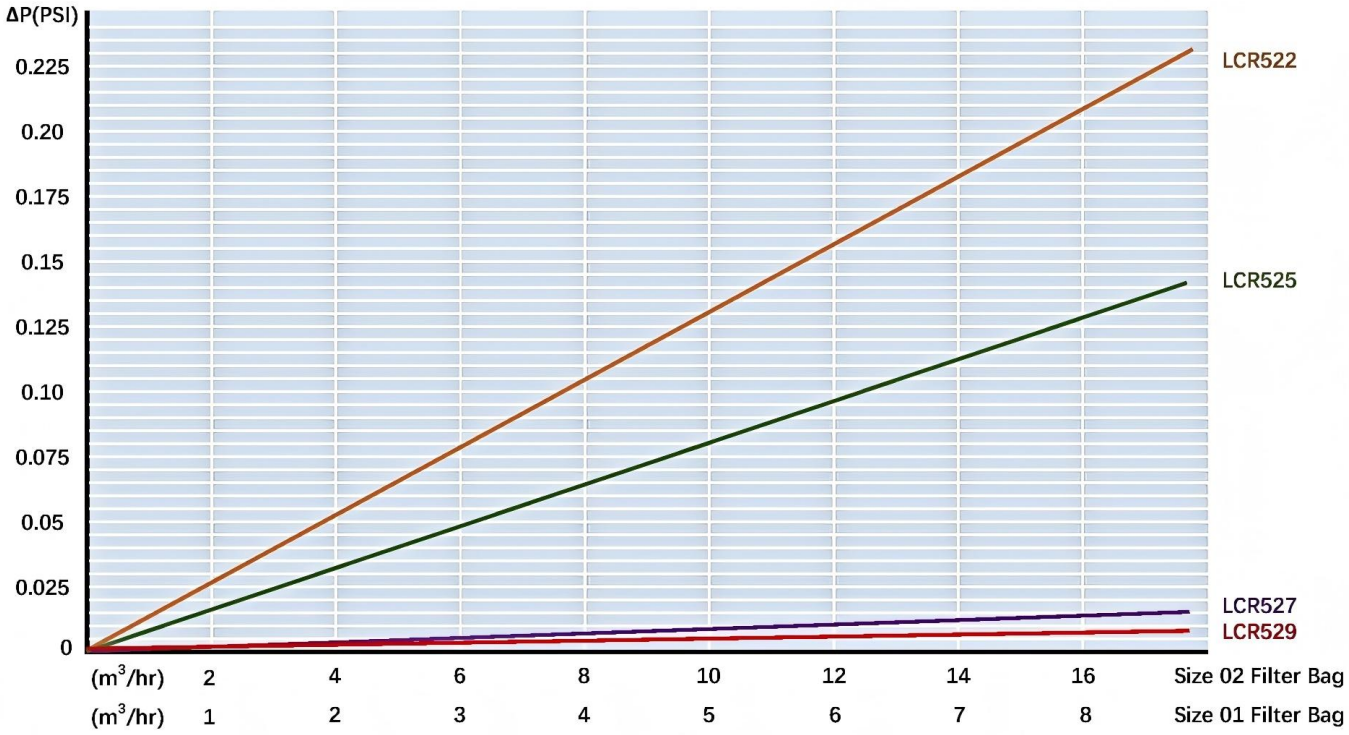
Flow Rate Data Chart



Flow Rate Data Chart



Inner Oil Absorption Layer of LCR series	Inside Structure of LCR-500 series	Each individual packaging can be available according to customer requirements
		

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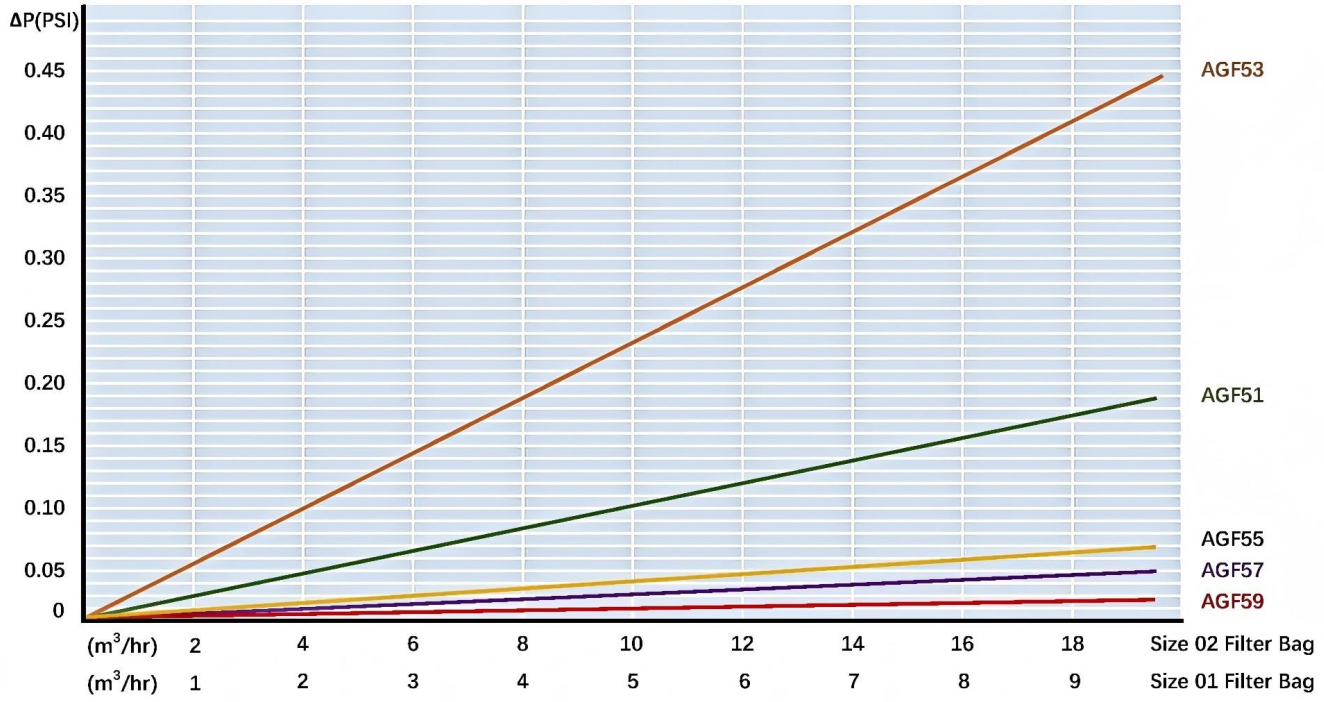
Filter Bag Selection

Bag Description	Bag Size	Particle Size Removal Efficiency					ΔP (psi) Size 02 @ 44 GPM (10 m³/h)
		>60%	>90%	>95%	>99%	>99.9%	
AGF-51	#01, #02	0.2	0.6	0.8	1.5	5	0.09
AGF-53	#01, #02	0.8	1	2	3	5	0.22
AGF-55	#01, #02	1	2	3	5	15	0.05
AGF-57	#01, #02	2	4	5	10	25	0.04
AGF-59	#01, #02	10	20	22	25	35	0.03

Flow Rate Data Chart



Filter Bag Selection

Bag Description	Bag Size	Particle Size Removal Efficiency			ΔP (psi) Size 02 @ 44 GPM (10 m³/h)
		>95%	>99%	>99.9%	
PGF-50	#02	0.22 um	0.45 um	0.8 um	0.25
PGF-51	#02	0.65 um	0.80 um	1.0 um	0.17

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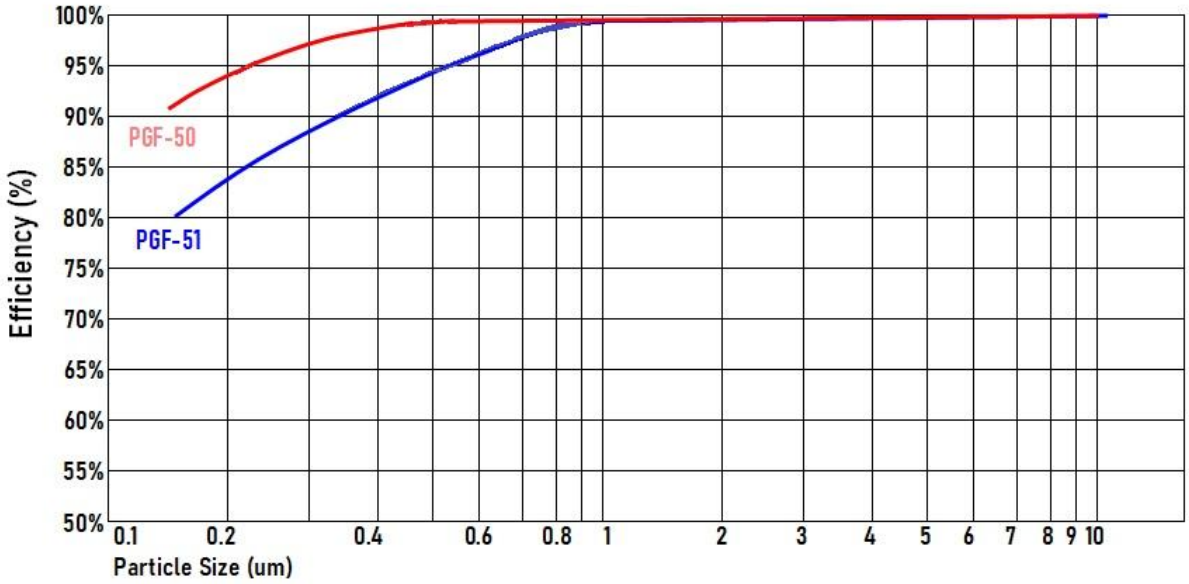
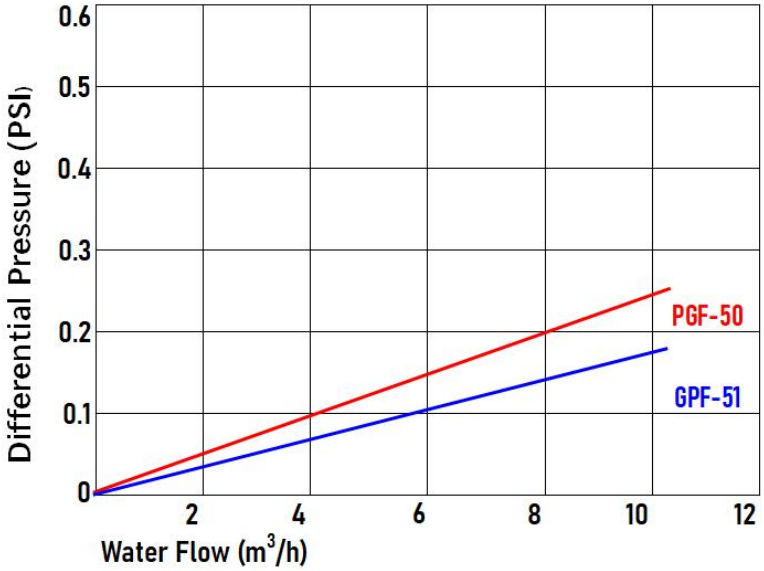
Fractional Efficiency



Clean ΔP

Water at ambient conditions



Ordering Information

Material	Micron Rating	Bag Cover	Bag Size	Bag Top Style
LCR	113, 123, 114, 124, 115, 125, 116, 126, 118, 128, 119, 129, 130 522, 525, 527, 529	P: Plain (no cover) N: NMO 50µm T: PO Spun bonded cover	01, 02	S, A, P E, H, T, N
AGF	51, 53, 55, 57, 59			
PGF	50, 51			

Sample	LCR-	123-	T	02-	E

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