



Filter Bag Media



For Industrial Processes including plating solutions, electronics, coatings, photographic, PCB, chemicals, water, effluent, cleaners, adhesives, inks/dyes, lacquers, resins, varnishes

A bag filter system is one of the most popular filtration methods for liquid processes. It provides a versatile, cost effective and consistent filtration system suitable for a broad range of applications from small batch operations, to bulk processing to continuous filtration.

Filter bags are selected from the broadest possible range of media with the required media being determined by the size of the particles to be removed (0.2 to 1500microns), the type of particles to be removed (deformable or non deformable), the required retention efficiency (60% - 99%) and the temperature and chemical compati bility of the media.

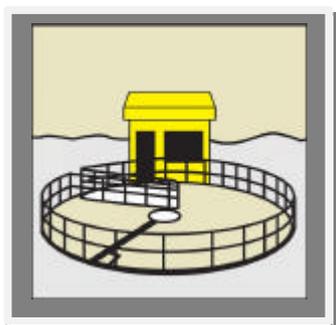
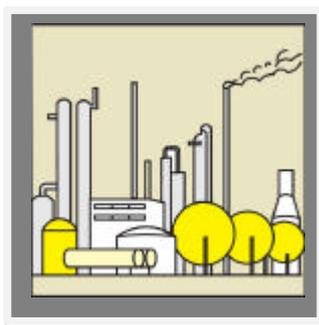
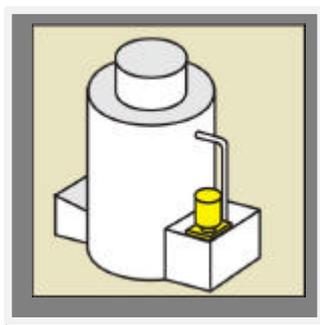
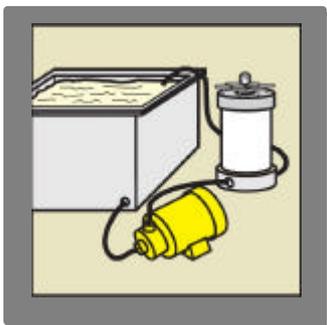
Particles are retained within the filter bag allowing clean and easy disposal which is of particular benefit for applications involving aggressive chemistry.

Needlefelt Filter Bags

By means of a depth filtration mechanism particles penetrate and are captured throughout the depth of the filter media. Needlefelt is a versatile and cost effective media providing a high solid holding capacity for non-deformable and gelatinous particles. They are available in 0.5-200microns and are rated with a nominal efficiency. PP and PE are the most widely used, however Nylon and PTFE are also available.

Mesh Filter Bags

These provide surface filtration or a sieving mechanism, causing particulates larger than the pore size of the media to be captured on the surface of the media. Meshes are available in nylon, PP and PE monofilament – a precision woven structure thermofixed to give an absolute micron rating with no fibre migration. Micron ratings range from 1-1500 microns. They exhibit a high mechanical strength and are excellent for removing non-deformable, solid particles





Technical Details

SERFILCO provide a high quality liquid filter bags to fit standard size filter vessels including our own series '630/640', '1235/1255' and series 'K' bag chambers and Guardian and Space-Saver bag filtration systems, as well as replacement bags for other standard size chambers.

Media / Collar Type	Acids	Alkali	Solvents	Oxidants	Recommended Maximum Operating Temperature (°C)
Polyester	G	G	E	P	140
Polypropylene	E	E	G	E	93
Nylon	F	G	E	F	110
Nomex®	G	G	E	E	200
PTFE	E	E	E	E	260
Santoprene®	E	E	E	E	200

P = Poor F = Fair G = Good E = Excellent

Bag Size	Diameter (Inches/mm)	Length (Inches/mm)	Surface Area (m ²)	Volume (L)	Maximum Flow Rate (m ³ /hr) ^a
1	7"/180mm	17"/435mm	0.25	11.0	20
2	7"/180mm	32"/810mm	0.50	20.5	40
3 (1M)	4"/104mm	9"/230mm	0.07	1.9	6
4 (2M)	4"/104mm	15"/380mm	0.12	3.2	10

Flow rate depends upon factors such as media type, micron rating and fluid being filtered

US Standard Mesh																						
18	20	25	30	35	40	45	50	60	70	80	100	120	140	170	200	230	270	325	400	550	800	1250
1000	840	710	590	500	420	350	297	250	210	177	149	125	105	88	74	62	53	44	37	25	15	10
Microns																						

Further technical data and specifications are available on request including materials compatibility charts. Please Contact your local sales office for pricing and availability



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