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Manufacturing and Development of Filtration Solutions



LIQUID & DUST FILTERS

Liquid Bag Filters

Available in all industry-standard and custom sizes, and featuring silicone-free construction in a silicone-free facility, AJR standard liquid filter bags are an economical solution for removal of particulate from most process filter applications.

AJR Filtration offers the industry's fastest shipments on standard products, to get you what you need quickly.

Standard Bags Nominal Efficiencies

Standard Features

- Handles standard on all bags
- Conventional sewn or welded construction
- Available FDA CFR-21 compliance
- Seal styles:
 - Sealing rings – polypropylene, galvanized, stainless steel, or titanium
 - Plastic flanges – P, F, OSS, RP, Santoprene, X01
 - Plain top or drawstring type

Standard Felt Liquid Filter Bags

- Micron ratings from 1 to 200
- Polyester, polypropylene, aramid, or PTFE felt
- Single or double layer for extended life

Standard Mesh Liquid Filter Bags

- Micron ratings from 1 to 1500
- Mono-filament bags of nylon or polypropylene for strength
- Multi-filament bags of nylon or polyester, low-cost, disposable

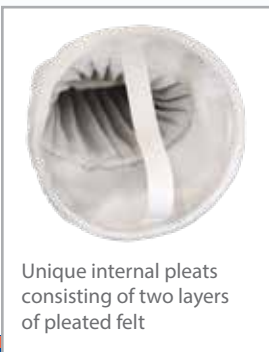


Custom and Specialty Liquid Bags

We will engineer and manufacture custom filters a

Extended Surface Pleat Liquid Bag Filter

- Micron ratings from 1 to 100
- Two layers of pleated polyester or polypropylene felt
- High flow and high solids loading capacity



XOAM Oil Absorbing Bag Sizes #1 and #2

- Micron ratings from 1 to 150
- Up to 95% absolute efficiencies
- Multi-layer microfiber design
- Excellent oil absorbing capabilities





High Efficiency Bags Available with Absolute Efficiencies 95% to 99%

Standard Features

- Handles standard on all bags
- Polyester or polypropylene
- Multi-layer technology-true graded density
- Optional needle felt layer prefilter for longer life



500 Series Size #2 Liquid Filter Bags

- Micron ratings from 0.5 to 32
- Metal seal ring or plastic flange
- Excellent oil absorbing capabilities



High Efficiency Microfiber Liquid Filter Bags

- Micron ratings from 0.5 to 90
- All industry-standard and custom sizes
- 5-7 layers of melt-blown and microfiber media

any quantity level with fast delivery and competitive prices.

Oil Log Core and Oil Log Size #2

- 100% polypropylene
- Spunbond jacket with shredded POMF fiberfill
- Fits Size #2 filter bags
- Core option available



DF Welded Filter Bag Sizes #1 and #2

- Micron ratings from 1 to 100
- All welded-no loose fibers
- Replaces closed R-style top

BOSA Size #2 Absolute High Efficiency

- Micron ratings from 3 to 100
- 98% absolute efficiencies
- Thermally bonded graded layer construction



Liquid Cartridge Filters

For more dirt holding capacity, AJR's pleated cartridges with a wide range of micron sizes fit most size #1 and #2 housings and are available with four end cap styles.

Nominal Efficiency

NDC Normal Depth Pleated Liquid Cartridge

- Micron ratings from 1 to 200
- #1 NDC has 5X and #2 has 10X the surface area of a standard bag filter
- Two layers of polyester or polypropylene felt



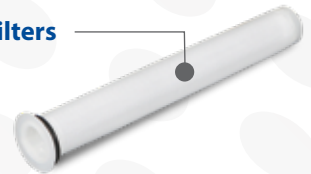
NMO Welded Filter Sizes #3 and #4

- Micron ratings from 1 to 800
- Nylon monofilament—no loose fibers



1" SBF and 2" FMC Compact Filters

- Micron ratings from 1 to 400
- Ideal for "low flow" applications
- Uniform pore size



Absolute Efficiency

600 Series Deep Pleated Liquid Cartridge

- Micron ratings from 1 to 40
- Up to 99% absolute efficiency
- Up to 20X the filter media of a standard bag filter



2.5" PPO & 2.75" PPOW Pleated Liquid Cartridges

- Micron ratings from 0.2 to 25
- 99.98% absolute efficiency
- Standard lengths from 10" to 40", custom lengths available
- All industry-standard end caps available
- No adhesive—thermally bonded design
- Available FDA CFR 21
- May be individually wrapped for cleanliness



Dust Filters



OEM quality for less

AJR manufactures OEM and replacement bags, pleated bags, and dust cartridges for most types of fabric filter dust collectors used in industry, in our dedicated filtration headquarters in West Chicago, IL. Our applications experts can assist you in choosing which style of filter is best suited for your application. Challenging application? Our experts will recommend and source the right filter media for your application.

Filter Bags

Most filter bag orders manufactured from in-stock media ship within 5 to 7 days

AJR filter bags utilize nearly every media available on the market today, including aramid, polyester, acrylic, polypropylene, PPS, and polyimide (P84). Specialized construction and finish options include PTFE membrane, duo density, microfiber, flame retardant, and more.

- OEM-quality pulse-jet, shaker, and reverse-air dust collector bags
- Wide variety of filter media types and finishes, many in stock
- Tubular and envelope filter styles
- Custom bags our specialty



Grounding options available



AJR-PLEAT Pleated Bags and Dust Cartridges

AJR-PLEAT NEW!

AJR manufactures quality dust cartridges and pleated bags to replace OEM filters in common industry baghouses and horizontal or vertical mount cartridge dust collectors. AJR-Pleat dust filters feature rugged construction and include standard spiral helix cores for strength and durability.

Pleated Bags

- Molded or metal end caps fit most common industry baghouse dust collectors
- Durable spun bonded polyester media for high collection efficiency and excellent dust release properties
- Configurable pleat counts and filter lengths
- Low operating pressure drop and longer life than traditional bags
- Top and bottom-load designs
- Wide shallow pleats manage aggressive dust collection applications and high loadings
- Core options: polypropylene, stainless steel, perforated or rolled expanded



Dust Cartridges

- All cartridge filters meet or exceed OEM requirements and industry standards
- Replacements for Donaldson® Torit®, Camfil Farr®, American Air Filter®, Dust Hog®, and more, including oval filters.
- 80/20, spun bonded polyester, and nanofiber, with or without flame retardant treatment
- MERV ratings from 11 to 16
- Wide variety of end caps, flange tops, and available oval cartridges
- Outer mesh liners or bands

Integrity and trust has been the bedrock for building extraordinary long-term relationships with our customers.

But to truly become a leader, we took a look at all aspects of our company, assuring we deliver at every stage. Our experienced staff, working two shifts, six days a week, respond to all requests immediately, often on the same day.



New filtration headquarters in West Chicago, Illinois

Inaugurated in 2020, our new headquarters combines manufacturing operations for AJR Filtration and Delta Pure Filtration under one roof. The facility features 150,000 sq. ft. of operating space with over 200 skilled production employees dedicated to high-quality filter manufacturing.

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