

Filter Media and Related Hardware

Filter bags, cages, venturis, clamps, and tensioners for pulse-jet, reverse air, and shaker collectors.

Achieving optimum filtration performance from a dust collector depends on selecting the proper filter media for the job. Considerations include construction material, fabric finish, and size. MikroPul's broad scope of experience is your best assurance for choosing the right media for your application.

We carry a full assortment of high quality filter media and related hardware for all our dust collectors. Choices include:

- Fabric filter bags
- Filter bag hardware
- Pleated elements
- Pop-Top® quick changeout bag and cage

Filter Bags

MikroPul provides high quality filter bags of virtually any size, style, configuration, and capacity. Selection criteria include:

- Gas temperature—up to 550° F (288° C)
- Gas corrosiveness—acidic or alkaline
- Particulate characteristics—fine, sticky, toxic, abrasive, combustible, etc.
- Cleaning method—pulse jet, reverse air, shaker
- Process end use—nuisance dust or product recovery

Through the use of our exclusive Filter Efficiency Media Analyzer (FEMA) we can perform a very thorough comparison test on different media using your dust. This scientific approach leaves no doubt which media will work best for you.



MikroPul can help you choose the right media and hardware for your application



Below are listed the wide assortment of options MikroPul chooses from to match your cost/performance requirements.

Fiber Types

- | | |
|-----------------------|---------------------|
| • Cotton | • Polyester |
| • Polypropylene | • Aramid |
| • Nylon | • Teflon® |
| • Wool | • Fiberglass |
| • Ryton® | • P84® |
| • Homopolymer acrylic | • Copolymer acrylic |

Fabric Constructions

- Felted
- Woven
- Knitted
- Spunbond

Treatments and Finishes

- | | |
|----------------|--------------------------|
| • Mikrotex® | • HCE® |
| • ARN I™ | • Epitropic |
| • Shield™ | • Silicone |
| • Singed | • SDF® |
| • Glazed | • Tuflex® |
| • Metalized | • Hydrophobic/Oleophobic |
| • Acrylic foam | |

Electrostatic Grounding

- Stainless steel wire
- Copper wire
- Conductive felt with stainless steel or carbon fibers

Pleated Filter Elements

MikroPul's Mikro-Pleat™ pleated elements combine the advantages of traditional pulse-jet filter bags and cartridge filters. In many cases, they provide two or more times the cloth area of a conventional filter bag. Replacing existing bags with Mikro-Pleat elements can significantly increase baghouse performance without altering the size of the baghouse.

(continued overleaf)

Special Labor Saving Design

Our innovative Pop-Top® bag and cage assembly (installation sequence shown at right) can reduce your changeout cost by 30-40%. Yet in most cases it costs no more than standard bags and cages.

The Pop-Top filter bags and cages can either be installed in your existing dust collector or designed for use in your new baghouse. Pop-Top bags are available for pulse-jet applications using felted media and Mikro-Pleat™ pleated elements.

Filter Bag Hardware

Cages

Our cages are ruggedly built to withstand the rigors of cleaning cycles and changeouts. Diameter, overall length, and other close tolerance dimensions are held uniformly thanks to automated production equipment.

Choosing the right cage design is important for optimum bag performance and service life. Your MikroPul representative can help you choose a design considering the following options:

- Number of vertical wires (longitudinal wires that support the bag) - 10, 12, and 20 wires are standard.
- Top design for attaching to the tubesheet
- Integrated venturis
- Bottom design – interlocked to a horizontal ring or welded to vertical wires
- Construction material – carbon steel or alloy
- Coatings – epoxy, Teflon, special paints, galvanizing
- One-piece rigid or two-piece interlocking designs

Venturis

Various designs are readily available from our large inventory including:



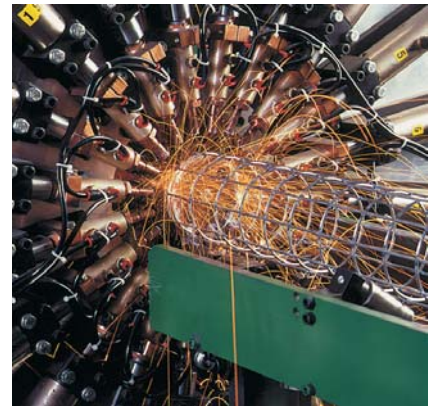
Pop-Top bag and cage assemblies change out easily and quickly

- Side removal
- Top removal – 3 designs:
 - One piece venturi/retainer assembly for snap-ring bags
 - Clampless design allows removing bag and retainer as a unit. Once the bag and retainer are set into the tubesheet, the venturi is twist-locked into a die cast engagement member on the retainer.
 - Twist lock design with separate venturi and retainer for fold-over bags

Venturis are available in carbon steel, stainless steel, and aluminum, with some designs available in Inconel. Finishes available include epoxy, electro-galvanized, nickel, Teflon®, and other special platings and coatings.



MikroPul maintains a large inventory of venturis for most applications



Automated cage manufacturing maintains close tolerances

Tensioning Assemblies

MikroPul offers a variety of hardware innovations for filter bag tensioning. The right tensioning hardware improves bag cleaning efficiencies and extends bag life.

Clamps

MikroPul stocks a complete inventory of worm-gear and quick release bag clamps for pulse-jet, reverse air, and shaker collectors. All clamps are constructed of stainless steel.

Call 800-892-7278 to speak to one of our specialist who can help you make the right choices for your baghouse.



A member of Beacon Industrial Group

NORTH AMERICAN LOCATIONS Visit our web site @ www.mikropul.com for other locations worldwide.

MikroPul Headquarters
4500 Chesapeake Dr.
Charlotte, NC 28216
Tel: 704-998-2600
Fax: 704-998-2601
Customer Service:
800-892-7278
info@mikropul.com

MikroPul Pittsburgh
2591 Wexford-Bayne Road, Suite 202
Sewickley, PA 15143
Tel: 724-934-3910
Fax: 724-934-3934
pittsburgh@mikropul.com

MikroPul Canada, Inc.
245 Matheson Blvd. E., Unit # 10
Mississauga, Ontario L4Z 3C9
Canada
Tel: 905-712-0722
Fax: 905-712-0027
info@ca.mikropul.com

MikroPul, S de RL de CV
Av. Lomas Verdes No. 480-302B
Col. Lomas Verdes
CP 53120 Naucalpan
Edo. de Mexico
Tel: 52-55-5343-8224
Fax: 52-55-5344-5081
info@mx.mikropul.com