



# FLOW EZY FILTERS "NEWS YOU CAN USE"— OCTOBER 2007

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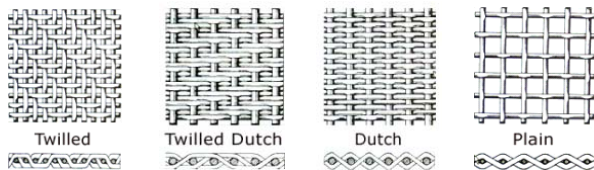
## AMERICAN FILTRATION & SEPARATIONS SOCIETY

When pursuing a career, no matter what field you are in, it is good to know there are organizations that can play a huge part in helping you achieve the goals you may have. Such is the AFS, the premier organization in North America dedicated to R & D, problem solutions and technology transfer in filtration and separation for the benefit of individual processes, individual health and a clean environment. Check it out at [www.afsociety.org](http://www.afsociety.org). Navigate around the web site, read the *One Minute Filtration* articles under the 'Education' link. Click on the 'Standards Database' link and search for test standards. Check out the conferences and what is in store for 2008. Think about joining this premier organization. It will be good for your career.

**FLOW EZY FILTERS, INC.**

**A PROUD CORPORATE SPONSOR OF THE AFS**

Please join us in Orlando, FL, December 6-8 for the 20th Annual Performance Racing Industry Trade Show and Conferences. In addition to some great courses being offered, the trade show itself offers 1,000,000 square feet of exhibit space and over 1,400 exhibitors with the latest in racing technology and products. Flow Ezy's line of performance racing filters have been used in areas from NASCAR, open wheel, midgets, motorcycle, boat, carting, and sprint car. Stop by our booth 2752-2754, to see what Flow Ezy can do for you. You can visit the show web site from the link that follows: [www.performanceracing.com](http://www.performanceracing.com). See you in Orlando?



## WIRE CLOTH AND FILTRATION

Wire cloth is known for high strength, resistance to wear and distortion, an ability to withstand high temperatures, and long service life. It is very efficient where high  $\Delta P$  is involved, or where cleanable filter elements are required.

Because wire cloth keeps the shape of its openings and the precision of its weave, it is great for a wide range of filtering applications.

Most filtration applications for stainless steel wire cloth are best performed by Dutch weaves. Their warp and fill wire diameters are usually different in size. Also, the fill wires are driven close to one another to create a strong, dense cloth. Unlike square weaves, Dutch weaves do not have straight-through openings. With fluids traveling a more tortuous path, the weave is highly effective in capturing solids.



## CARTRIDGE FILTER HOUSING

This is a standard design cartridge housing that accepts standard 10" cartridges. It will accept our pleated stainless steel wire cloth element which is available from 840 micron to as fine as 5 micron. It will also accept any fabric wound, melt blown, pleated surface or depth cartridge with an OD no larger than 3" and an ID of at least 1 1/8". Housings are available with 1" npt connections made in carbon steel or stainless steel.

***If the filtration breaks down, the system will break down.***

## MELT BLOWN TECHNOLOGY

Melt blowing is a process for producing fibrous webs directly from polymers or resins using high velocity air or another appropriate force to soothe the filaments. This technology is one of the newer and least developed of nonwoven processes. This process is unique because it is used almost exclusively to produce microfibers rather than fibers. Microfibers generally have a diameter of 2-4 micron although they may be as small as 0.1 micron. Remember, if man can make the fiber, this means the fiber diameter can be controlled. Isn't technology great!



## PLEATED FILTER BAGS



Flow Ezy has the answer for your filter bag applications. Use our 'pleated bag' for much more surface area than the standard sock-type bag, 25 sq ft vs. 4.4 sq ft (size 2). Anywhere you can put a sock-type bag you can put one of our pleated bags. They are made in virtually all sizes using standard polyester or polypropylene micro-fibers. The seams are sonically welded as are the end caps. Larger surface area means more dirt holding capacity which means less frequent change-outs. With a filtration range from 1 to 110 micron at 95% efficiency, we are sure these have a place in your applications.

Also, take a look at our new patent pending "quick-turn bolt" on the pleated bag bottom. Without this "quick-turn bolt" configuration the bottom of the pleated bag may not "meet" the basket bottom. This could cause a pleated bag bottom to be blown out by any pressure spikes, therefore compromising the integrity of the filter.

