STAR FILTERS






Filter Media for Plate and Frame Presses

Efficient, reliable, liquid filtration

Star Filter Media for Plate and Frame Presses

Star Filters offers a wide range of filter media for almost any filtration application. All Star disposable paper media is FDA approved and/or contains FDA approved components for use in filtering liquids for human consumption. Several are USDA approved for food product contact in meat and poultry plants. All media will handle temperatures up to 375° F, depending on the liquid being filtered and unless otherwise stated.

Most Star media is kept in stock in our warehouse in Elmira, New York for immediate shipment anywhere in the world.

Our well-trained order entry department is available to our customers every business day from 8 am to 5 pm eastern time by calling 607-733-7121. We take pride in courteously and promptly handling every order and work with our customers on all the details, such as best-way freight and credit approval.

If you have any questions about your specific filtration requirements, your Star Filters equipment, and/or the best Star Filters media for your application, Star Filters inside salespersons and engineers are ready to help. Their solutions to your problems are unparalleled in the industry because they are able to draw upon the experience gained from manufacturing plate and frame filter presses for over 100 years.

No other filter paper distributor can offer you this level of experience and expertise.

At Star Filters, we work hard to let you know that your business is always sincerely appreciated.

Cellulose Media

2000 SERIES

Star 2000 series media is a non-woven cotton cellulose with a very high wet strength and good temperature resistance. It is Star Filter's coarsest and thinnest media with a nominal thickness of .007". It is most commonly used for fine straining of high temperature liquids at high filtration flow rates.

800 SERIES

Star 800 series media is a non-woven cotton cellulose with very high wet strength and good temperature resistance. It is popular with our hot oil customers who roast nuts or fry chips and other snack products. The nominal micron retention rating of 8 affords them filtration flow rates as high as 1 GPM/ft² while still removing most of the solids generated by such cooking operations. Star Filters' 800 series media is also used in other applications where relatively loose filtration and high flow rates are advantageous.

600 SERIES

Star 600 series media, made from pure wood cellulose, is a wet formed smooth paper with good wet strength and good temperature resistance. This media has a nominal thickness of .015". It is used by customers who want to maintain filtration flow rates near 1 GPM/ft² while using a thicker paper with better gasketing characteristics than the non-wovens listed above where press leakage may be a problem. The nominal micron retention rating of Star Filters' 600 series is 5 microns.

200 SERIES

Star 200 series media is a creped paper sheet made from pure wood cellulose. It has a nominal thickness of .023" and is creped for additional filter area. This makes it an excellent choice for filtration applications requiring filter aids. It has a good wet strength and good temperature resistance. Star Filters' 200 series media is very popular with our hot oil customers frying breaded products which create high concentrations of fine flour particles in the oil. The nominal micron retention rating of Star Filters' 200 series media is 2 microns. The filtration flow rate in hot oil applications is typically 1/2 GPM/ft².

100 SERIES

Star 100 series media is a smooth paper sheet made from pure wood cellulose with good wet strength and temperature resistance. It has a nominal thickness of .030" and a nominal micron retention rating of one micron. This is relatively tight filtration and as a result the filtration flow rate expected from Star 100 series media can be as slow as 1/3 GPM/ft² or 20 GPH/ft², depending on the specific application. Some hot oil customers use Star 100 series to make their oil sparkle, and it is used to polish juices, water, extracts, and many chemicals.

000.5 SERIES

Star 000.5 series filter media is a smooth paper sheet of 100% bleached cellulose fibers with good wet strength and good temperature resistance. The fibers of which it is composed are particularly fine with the smaller diameter resulting in superior retention. It has a nominal thickness of .05" and a nominal micron retention rating of 1/2 micron. Such sub-micron filtration is used for water in electronic circuit manufacturing as well as for polishing beverages, cosmetics, and many chemicals. The filtration flow rate can be 15 GPH/ft² depending on the application.

Carbon Comet™ Activated Carbon Impregnated Media

200 SERIES

Star 200 series Carbon Comet™ media is constructed of cellulose fibers and impregnated with activated carbon. It has good wet strength and good temperature resistance. The activated carbon adsorbs free fatty acids, color bodies and other impurities from cooking oil to significantly improve the taste and color of the oil. Carbon Comet™ also has applications in other food and chemical filtrations. The nominal micron retention rating of the 200 series is 2 microns and the typical filtration flow rate is 1/2 GPM/ft^2.

800 SERIES

Star 800 series Carbon Comet™ media is a non-woven sheet of cotton cellulose impregnated with activated carbon. It has excellent wet strength and good temperature resistance. The activated carbon adsorbs free fatty acids, color bodies, and other impurities from cooking oil to significantly improve the taste and color of the oil. Carbon Comet™ also has applications in other food and chemical filtrations. The nominal micron retention rating of the 800 series is 8 microns and the typical filtration flow rate is 1 GPM/ft^2.

Diatomaceous Earth Media

Star Depth-Style Filter Pads

Star Depth-Style Filter Pads are a blend of cellulose fibers and diatomaceous earth media. With a thickness of nearly 3/16" and a positively charged fiber matrix, the pads are a very effective mechanical as well as adsorptive type filter. Star Depth-Style Pads are available in eight broad nominal micron ratings from 0.2 µm to 5.0 µm. The pads display high wet tensile strength, low extractable levels, low media migration, and high capacity. Flow rates vary with the application and the pad's nominal micron rating, but a good baseline is 10 GPH/ft^2. Typical applications are beverages, pharmaceuticals, cosmetics, chemicals, flavors, and fragrances.

Easy Earth™

Star Filters Easy Earth™ media is a unique, Star Filters exclusive that incorporates diatomaceous earth into a smooth wood cellulose paper media with a nominal thickness of .03" and a nominal micron retention rating of 2 microns. Easy Earth™ was originally designed to eliminate precoating in some filtrations requiring filter aid and is excellent for that application. The filtration flow rate in these applications is dependent on the type and grade of filter aid used. However, it also has proven to be an excellent choice for hot oil filtration because of its good wet strength and excellent temperature resistance. Easy Earth™ resists sticking when all other papers have failed. Typical filtration flow rate in hot oil applications is 1/2 GPM/ft^2.

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