



## Filter Rolls & Filters

### Vacuum / Pressure Filters

Typically these systems require filter media with improved tensile strength and good flow porosity. This is generally spun-bonded polypropylene (SBPP), polyester and polyester needlefelt. As the demand for finer filtration continues these range of non-woven products are increasing their share of the filter fabric market. Non-wovens represent 90% of all filter media used in dry and liquid filtration.

#### Spunbonded Polypropylene (SBPP)

SBPP is a less expensive product than polyester. It can be limited in some applications depending on the nature of the fluid and the mechanical performance required. It is often found on gravity feed systems when standard viscose is unsuitable.

#### Spunbonded Polyester

With greater tensile strength and flow porosity than SBPP at similar weights, polyester is an ideal media for vacuum / pressure systems. It is totally inert and its stability and good chemical resistance ensures complete fluid integrity. Fibre migration is eliminated and there are no ravelling edges. The fibres are extremely fine, typically 16 - 25µm diameters which combined into a complex media create an excellent cake building matrix. An ideal media for both soluble and neat oils.

#### Polyester Needlefelt

This media is ideally used in fine contamination applications where high dirt loading is expected. The depth of the media provides better levels of filtration, typically 10 - 15 micron nominal in addition to longer filter life compared to SBPP.

### Gravity / Flat Bed Filters

#### Viscose / Cellulose / Rayon

This is the most commonly used media for gravity filter systems. The coarse short staple fibres of the wood pulp based media create a relatively weak product. However, the gravity feed mesh belts sufficiently support the versatile filter paper. Viscose suits most fluids offering nominal filtration from 15 - 50 micron.

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Filter rolls for gravity, vacuum, pressure and Hydrostatic systems





## Other Filters Available at Filtermist

| Product  | Features   | Function   | Application  |
|--|--|--|--|
| <b>Process liquid filters, cartridges, bags and housings</b> | Extensive variety of depth and pleated filters, carbon filters, bag filters and strainers. With full scope of housings to suit.                                      | Remove solids in the medium to micro-fine particle range from various liquids.           | Water treatment, aqueous wash systems, quench tanks, spark erosion (EDM), machine tools using water, chemicals and oils. Paint filtration and food processing. |
| <b>Hydraulic filter elements and housings</b>                | Full range of housings pressure filters, suction strainers, return line and spin-on elements. Wide variety of retro-fit elements.                                    | Removal of solids and residual water from hydraulic oils.                                | Complete clean up of hydraulic oil and coolant systems.  |
| <b>Panels and multi-pocket bag filters</b>                   | Disposable glass and pleated panel filters, washable metal mesh, carbons, hepa and synthetic bag filters.  | Removal of airborne particulate, including smoke and odours.                             | Heating and ventilation systems, clean rooms, compressor intakes, spray booths.  |
| <b>Synthetic media</b>                                       | Highly versatile product offered with a choice of thickness and efficiency. Supplied in roll lengths or specified pad sizes.   | Removal of airborne particulate.   | Compressor air intake, electrical control panels, cooling systems and spray booth ceilings and walls.  |
| <b>Spray booth media</b>                                     | Concertina curtain spray booth media and "paint stop" glass fibre.   | Restrict over spray and prevent paint aerosol venting to atmosphere from spray booths.   | Wall and floor filters for spray booths. Industrial booths, car body shops, etc.   |
| <b>Dust filter bags and cartridges</b>                       | Multi and single pocket dust bags in a variety of cotton and needle felts, with specialised finishes. Pleated cleanable cartridges in polyester and cellulose media. | Removal of fine dust from air systems.   | Serving reverse jet and shaker static dust collectors as well as mobile dust units. Used where heavy dust extraction is required at source.                    |
| <b>Compressed air elements and housings</b>                  | In-line housings with auto drains and gauges. Complete retro-fit elements to accommodate most major manufacturers.   | Removal of dirt, water and oil from compressed air.                                      | Protect point of use and main compressed air line. Offer breathing quality air, eliminate contamination risks in spray systems and food processing areas.      |
| <b>Magnetic Filters</b>                                      | Eclipse magnetic in-line filters that, once full of particulate, can be quickly cleaned with high-pressure water or air and returned to full service immediately.    | Extracts ferrous particles down to below one micron with minimal drop in fluid pressure. | Industrial operations including grinding, metalworking fluid and wire EDM applications.  |

