

Depth Filters



Depth Filtration

Depth filtration is a process whereby a liquid is filtered through a depth of media. Two mechanisms are involved in the retention of particles, firstly mechanical retention, here the particle is restricted through interception with the media fibres. Secondly adsorptive forces adhere the particles to the media, characterised by hydrophobic and electrokinetic properties of the fibres.

Depth filters are manufactured using thick medias that force the liquid through a tortuous path on its journey downstream. As the liquid progresses downstream particles are progressively trapped throughout the graduated density of fibres, the smaller particles in the more densely packed fibres towards the downstream surface.

TEXFLOW precision wound depth filters from Parker domnick hunter combine considerable dirt holding capacity with high flow rates and low pressure loss. Available in a wide range of materials they are suitable for either liquid or air applications.

SPUNFLOW filters from Parker domnick hunter are manufactured from thermally bonded polypropylene microfibres. Available in three grades they provide long life, low pressure loss and high dirt holding capacity.

BONDFLOW resin bonded filters provide disposable, low cost filtration ideal for viscous chemicals & solvents, allowing controlled depth filtration with uniform particle retention.





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for all your filter requirements