A filtration medium in the form of a cloth insert is the heart of every fluids filter. It essentially consists of a supporting body with a filter mesh. Different designs provide different sizes of filter surface. Through the optimum combination of core components every fluid can achieve the desired degree of cleanliness.

**Basket element (1)**  
The basket element is suitable for coarse filtration or for minor contamination. The dirt collects in a basket-shaped filter insert and can be easily removed for cleaning.

**Ring filter element (2)**  
The ring filter element is similarly constructed to the basket element, but has an additional concentric mesh cylinder, increasing the filter area by about 30%.

**Multi-mantle element (3)**  
The multi-mantle element insert consists of several cylindrical filter mantles. These provide a large filter surface for only a small space requirement and permit the employment of fine-meshed cloths. Filtration takes place from the outside in.

**Star-pleated element (4)**  
The star-pleated element has a large filter surface yet a small diameter due to the pleating of the filter element. This makes long cleaning intervals possible and the use of fine meshes with low pressure losses.

**Filter candle insert (5)**  
This insert contains several mesh candle elements of the same size and mesh connected in parallel. This gives a large filter surface with a very compact design. The filter candles are outstanding for their particularly high resistance to differential pressure.

**Filter candle insert for backflushing filters (6)**  
As in the ordinary filter candle insert, several filter candles are screwed into a single candle holder. The holder is fixed to the filter housing and remains there during backflushing in the filter chamber.

**Filter cartridge (7)**  
The filter cartridge consists of non-woven pleated plastic, glass fibre or paper element. It is capable of filtering very fine dirt particles.