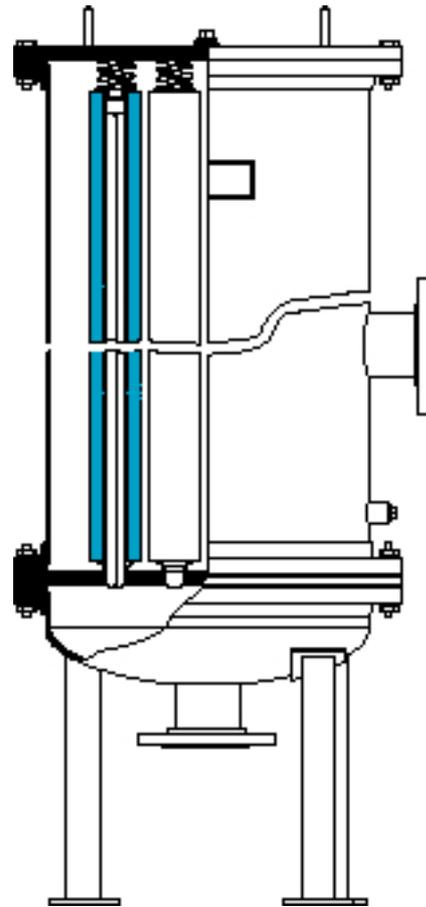


Special models V-series

Special applications require special solutions. In situations where standard filters cannot be used, amafiltergroup designs and manufactures cartridge filters for special operating conditions.

- Design, construction and production in accordance with all current design codes, inspection requirements and process conditions.
- Problems associated with filtration under extreme conditions can be solved using individually tailor made designs.
- Basic concepts and standard components contribute to an economic deal.
- A wide range of construction materials can be incorporated, such as steel, various grades of stainless steel, nickel, Hastelloy, Monel, etc.
- Internal synthetic coatings and rubber linings are just some of the options.
- Double-walled models with cooled or steam-heated jackets can be supplied.
- Filters have been constructed in all shapes and sizes, ranging from the relatively small to the extremely large, with diameters up to 2250 mm, including 350 cartridges 1750 mm in length.



Design concepts V-Series

Although V-series filters are designed to be tailor made for the application concerned, a number of basic concepts can nevertheless be identified. These relate primarily to filtration aspects and to hydraulic geometry. Depending on the application and the dirt load involved, the length of the cartridges used can be any multiple of 10", up to a maximum of 70".

VF Concept

Vertical filter with cartridges mounted on a septum plate sandwiched between shell flanges. Particularly suitable for internal cladding or coating.

Optional extras

Depending on size, application and circumstances, the filters can be provided with optional extras such as:

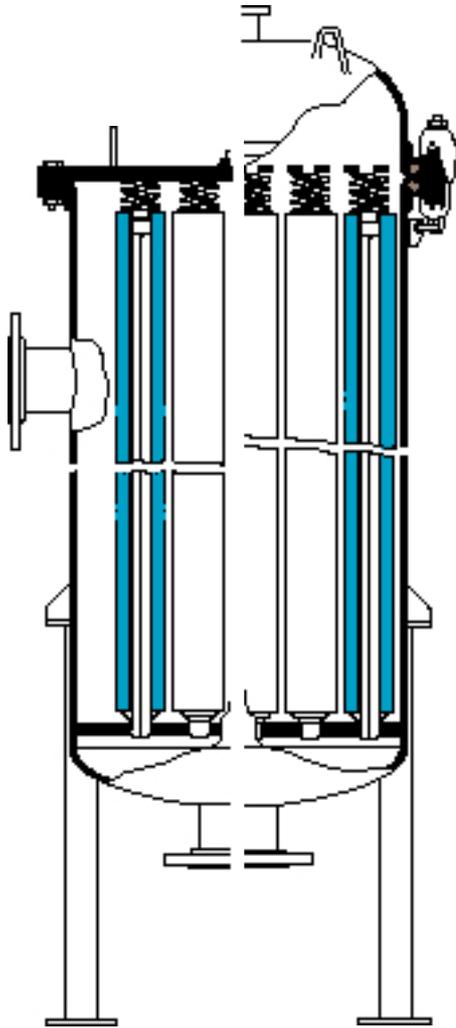
- cover lifting devices
- cover hinges
- quick closing covers with bayonet connectors or hinged eye bolts with hand wheels
- pressure and differential pressure gauges
- pressure and differential pressure sensors

amafiltergroup and CSS approach

amafiltergroup is serving the industry on a world wide basis with **Consumables**, **Services** and **Systems**. We can offer a wide range of filtration solutions, making the amafiltergroup approach very flexible, thus enabling us to meet the customer requirements precisely.



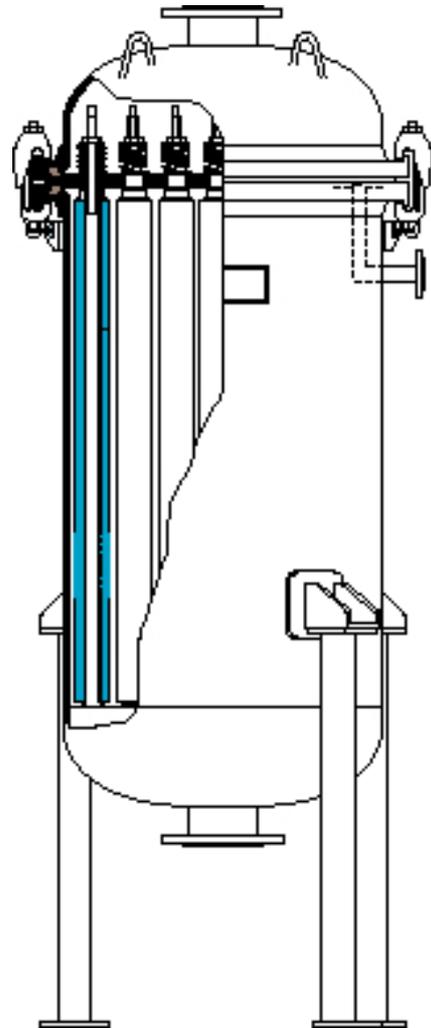
Special models V-series



Type VW

VW-Concept

Vertical filter vessel, with cartridges mounted on a welded-in septum plate.



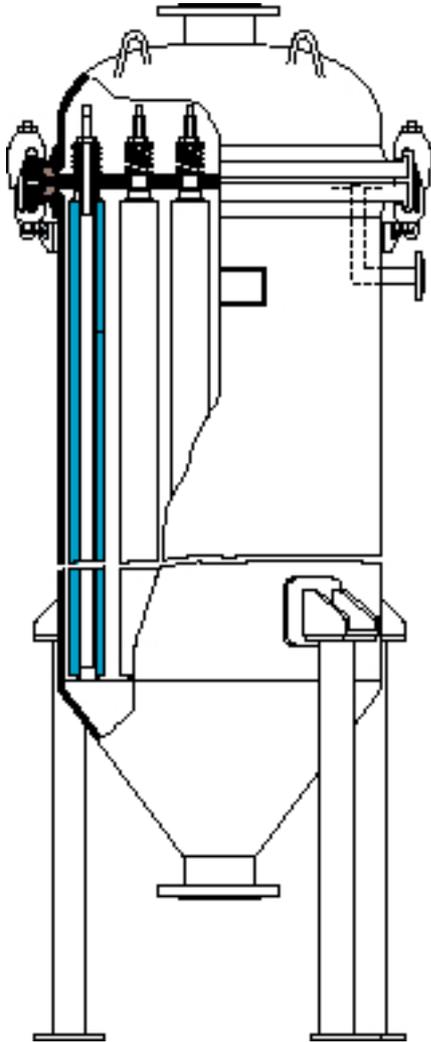
Type VC

VC-Concept

Vertical filter with cartridges suspended from a septum plate sandwiched between the cover flanges. For applications in which it must be possible to backflush the cartridges. The concept also allows for quick exchange against a spare pack of cartridges.

Special models V-series

Performance and Cartridges



Type VP

VP-Concept

Vertical filter with a tapered base and cartridges suspended from a septum plate sandwiched between the cover flanges. Specially developed for water and condensate filtration, with a precoat of perlite, cellulose or even powdered ion-exchange resin.

A filter's performance is dependent on an interaction between the filter cartridges and the filter vessel itself. The filter cartridge is the heart of the filter, but it will only function at its best if the filter vessel has the correct geometry and is geared to the problem in hand. amafiltergroup has more than 40 years of experience in this field.

amafiltergroup has a very wide selection of cartridges available in many different:

- media (cotton, synthetics, ceramics, metal),
- designs (wound, pleated, cylindrical) and
- models (flat end sealing (DOE), plug-in elements with O-rings, bayonet coupling)