

Product Profile

Overview



AVK Filtration – Commitment of Quality



AVK Filtration Technology

AVK offers a complete portfolio consist of filters and filter elements with the latest technology for highest performance. Covering each application AVK has the right solution for the filtration of hydraulic fluids, lubricants, industrial liquids and gases.

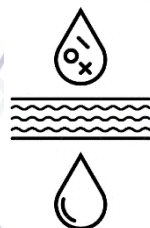
With Technical & Innovation JV with ARKE Filters, the work experience of AVK Filtration is more than 60 years experienced with an expertise in manufacturing, new product design and new product innovations.

Our product range includes filters for Hydraulic Oil applications and Air Applications concentration and specific condition monitoring systems for hydraulic fluids.

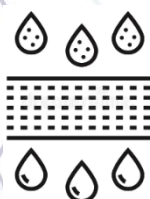
AVK's wide portfolio of filters ensures optimum operating conditions over the entire lifecycle, thus reducing the total cost of ownership. As with all products and solutions, AVK consequently complies with international standards. This opens up the technical advantages of AVK filter technology for any application, irrespective of the original equipment manufacturer. And the closely meshed worldwide sales and service network always ensures short distances and qualified advice.



Air Filtration Solutions



Oil Filtration Solutions



Water Filtration Solutions



Filtration standards followed at **AVK Filtration**

ISO 10771-1	Fatigue pressure testing of metal pressure-containing envelopes
ISO 16860	Test method for differential pressure devices
ISO 16889	Multi-pass method for evaluating filtration performance of a filter element
ISO 18413	Cleanliness of components - Inspection document and principles related to contaminant extraction and analysis, and data reporting
ISO 23181	Determination of resistance to flow fatigue using high viscosity fluid
ISO 2941	Verification of collapse/burst pressure rating
ISO 2942	Verification of fabrication integrity and determination of the first bubble point
ISO 2943	Verification of material compatibility with fluids
ISO 3724	Determination of resistance to flow fatigue using particulate contaminant
ISO 3968	Evaluation of differential pressure versus flow characteristics
ISO 4405	Determination of particulate contamination by the gravimetric method
ISO 4406	Method for coding the level of contamination by solid particles
ISO 4407	Determination of particulate contamination by the counting method using an optical microscope
ISO 16232-7	Particle sizing and counting by microscopic analysis
DIN 51777	Determination of water content using titration according to Karl Fischer



Coalescers & Separators

Coalescers are also called **filter water separators**. Applications for the **separation of liquid-liquid dispersions** for single or multi-stage coalescers can be found in many industrial sectors. The **separation of hydrocarbons** from a **water phase** (for example oil from process water) or free **water** from a **hydrocarbon phase** (for example dewatering of diesel) are the most common applications for liquid-liquid coalescers.

Product Application Details

Diesel/ HSD/Petrol

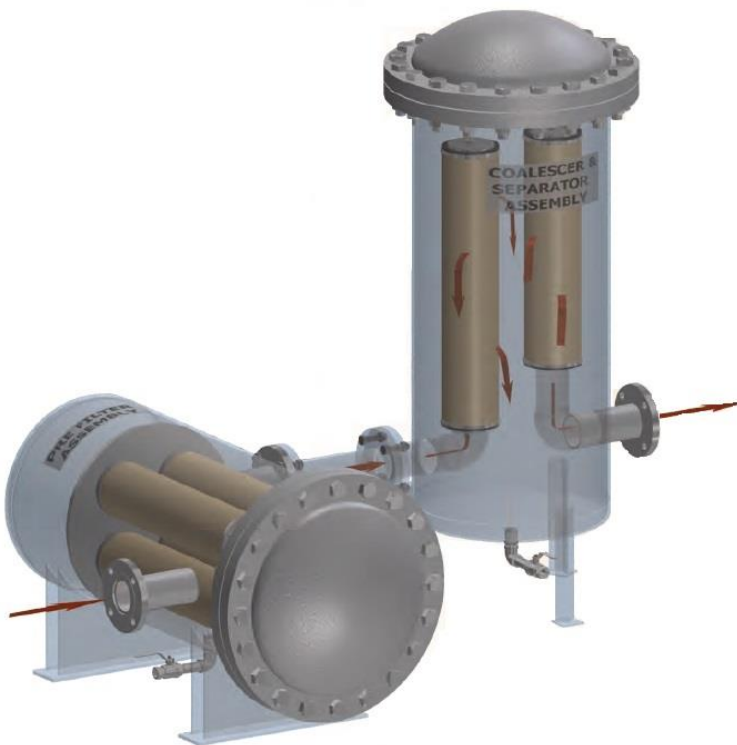
Naphtha

ATF

MGO

Kerosene

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Dust Collectors

Cartridge dust collector filters are responsible for trapping particulates so that dust and sometimes hazardous material – does not enter the airstream of your facility

Product Application Details

- Gas turbines
- Powder coating plants
- Air compressors
- Air suction lines
- CNC machines
- Suction blowers

High filtration area utilization with special pleating technology to avoid sticking of pleats

Cellulose and washable polyester media with high efficiency upto 99% down to 5 microns.

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Water Filters – Candle Type

Water filtration is the process of removing or reducing the concentration of particulate matter, including suspended particles, parasites, bacteria, algae, viruses, and fungi, as well as other undesirable chemical and biological contaminants from contaminated water to produce safe and clean water for a specific purpose.

Product Application Details

Ultrapure water filtration system

Antibiotics filtering system

Beer and wine filtration

High retention efficiency through multi-layer membrane - 99.9 % efficiency

Thermally bonded and adhesive free cartridges

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Basket Filters

A basket filter is suitable for coarse filtration or with low contamination. The dirt collects in the basket-like screen insert and can be easily removed during cleaning. But the filter element can also be adapted for the finest metallic chips: If desired, magnets can be installed in the screen basket filter.

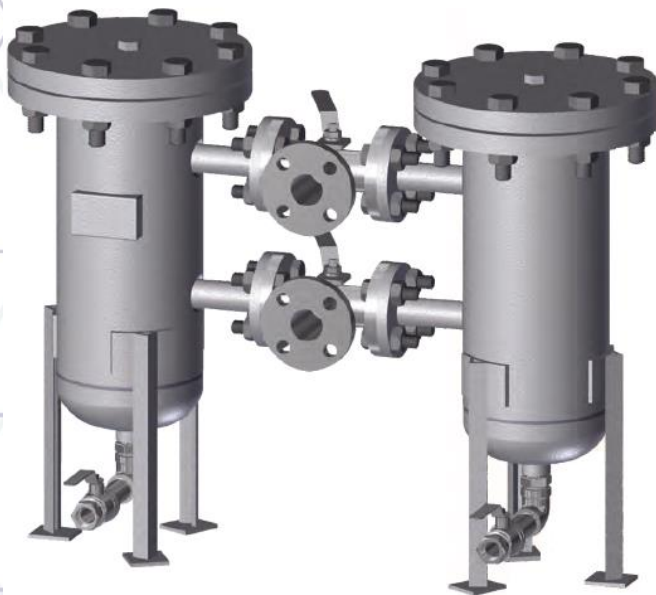
Product Application Details

- Coolants Filtration
- DM Water Filtration
- Water Filtration

Housing design as per ASME BPVC Code 2015

Simplex and Duplex type designs in range

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Oil Mist Separator

Oil mist separators are filter systems for extraction of oil mist and aerosols from the ambient air. For cutting and forming production processes in the metalworking industry, vapour, mist and fumes arise through the use of coolant lubricants.

Product Application Details

Compressed air applications

Eliminate dirt, moisture and oil aerosols from compressed air systems

Multi stage design to remove particles in primary stage and moisture, aerosols in the secondary stage

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Bag Filters

The Bag Filter is a dust control device whose purpose is removing the dust contained in the exhaust gases from industrial process. It is applied to the various applications with different temperature and type of gasses by selecting the filter media accordingly

Product Application Details

Cement and lime – Crushing, raw, coke mill, cement klin

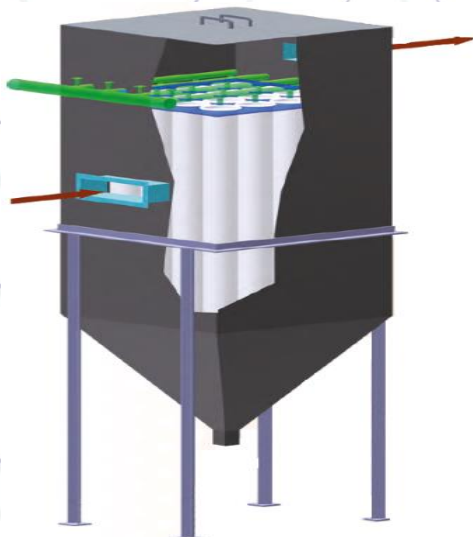
Steel Plants – Fly ash, Coal handling, Smelting, Refining

Power Plants – Coal handling, AHU, Fly ash dust collectors

In range of 100-700 GSM with multitude of surface coating and features

High Efficiency, longer lifetime, extremely low emission and more energy savings

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Suction Strainers

Suction Filters and strainers protect pumps from contamination, while also providing additional flow diffusion in the suction line. They can be equipped with a magnetic column for retaining ferrous particles smaller than the pleated wire mesh, and with or without a bypass valve.

Product Application Details

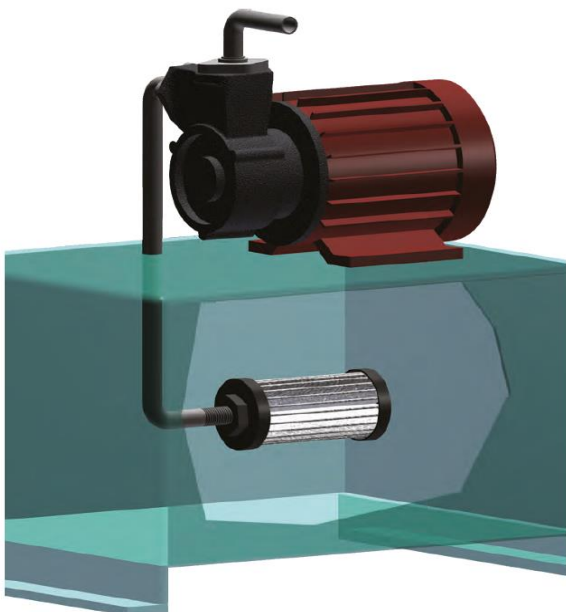
Pump suction application

Cartridges are designed with male female thread for easy installation and removal

Working Temperature -20 DegC to 100 DegC

Micron range available from 25 microns to 150 microns

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