



# **INDUSTRIAL FILTERATION**

**Genuine replacement  
Parts-filter**



**BV CERTIFIED**

Our company offers engineered solutions for all of your Filtration needs. Hydraulic, Lubrication and Oil Filters, Fuel Filters, Liquid Separators, Compressor Filters, Compressed Air Pneumatic Filters, Strainer Baskets, and a wide range of Specialty Application Filters.

Our company uses only top industry component and material providers in the construction of our filter elements. We proudly produce a wide variety of replacement and custom filter elements, in any combination of materials to suit your applications: Cellulose Filter Elements, Micro-Fiberglass Filter Elements, Stainless Steel Wire Cloth Filter Elements, Critical Protection High Pressure Filter Elements, Specialty Material and Custom Media Filter Elements.

Our Filter is able to save you time, money and aggravation, by being your only source for Industrial and Hydraulic Filter Elements. Check us out for the best stock levels and shortest lead times in the industry!

Our filter elements can using to the Hydac, Pall, Parker, Donaldson, Cummins, Fleetguard and Internorman, etc filter housings with more economical alternative for replacement elements and opportunity to change with our filter technologies.

Replacing to our filters is sample

Our filter elements directly replace with wide range of Hydac, Pall, Parker, Donaldson, Cummins, Fleetguard and Internorman, etc without any adaptor.





## FW-FILTER solutions for your construction machine

The filters used in construction machines such as wheeled loaders, excavators and dumpers have to consistently perform well. Large volumes of dust and enormous mechanical loads place filtration systems under a lot of pressure. FW-FILTER products provide the best possible protection for your machines. Our name stands for original equipment quality.

### Quality that pays

Designed for tough tasks: Modern combustion engines for heavy-duty use need high-performance filter technology in OE quality. This is where our decades of experience in the development, construction and application of efficient, high-performance filter solutions come in.

A range with strength and depth

Complete product range: Whether you are looking for air, oil fuel, cabin air or hydraulic filters, FW-FILTER has the highest range and market coverage for all common construction machines among OEMs. We supply compatible filters for just about every manufacturer and model.

### Impressive service

Concerted action: High availability and fast delivery come as standard- along with our comprehensive After Sales Support.

With FW-FILTER you can handle it

The best choice; As a sought-after supplier for construction machines, we always deliver outstanding quality-not just for basic equipment but also when it comes to replacement requirements for maintenance and service. When you choose quality products from FW-FILTER you benefit in three ways - by complying with the prescribed service intervals of machine manufacturers, reducing machine downtime and thus ensuring long-term protection of your investment. Long machine running times and optimum protection are not only good for the machine but also for your budget.

FW-FILTER - benefits that pay

- Consistently proven OE quality
- Extensive range
- High availability, fast delivery



## Our products in detail

The service life and efficiency of construction machines also depend on the functional reliability of the filters. Do not accept compromises and choose FW-FILTER for OE quality. We constantly test our products in accordance with international industry standards in our own test facilities.



### Air filters

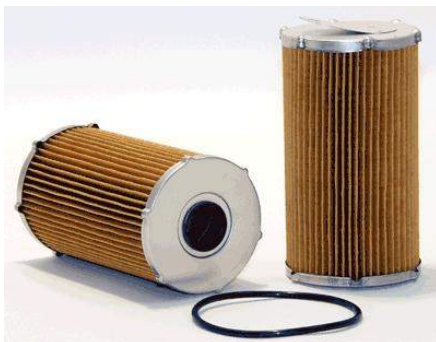
Ideal protection against dirt intake: Do you believe that large volumes of dust and long operating times are mutually exclusive?

We think otherwise - and our air filters are proof that the opposite is true. The high dust-holding capacity ensures long and efficient machine running times. With high-quality air filters from FW-FILTER our customers save a lot of money.



### Oil filters

Keep everything running smoothly: Oil filters ensure the effective removal of contaminants from oil circuits. Clean oil reduces friction in bearing, lubrication gaps and moving parts and extends the service life of the engine.



### Fuel filters

Maximum performance without the risk of engine failure: Reliable protection for sensitive components means that dirt particles and water are reliably removed, thus preventing wear and corrosion.



### Hydraulic filters

Long service life as standard: In environments with high operating pressures our filters protect the hydraulic system against dirt particles, corrosion and abrasion. The high dirt-holding capacity of the medium ensures a long filter service life. Even the tiniest of particles are reliably removed with hydraulic filters from FW-FILTER.



## FW-FILTER solutions for your compressors

Whether mobile on construction sites or stationary in industrial plants, compressors must always deliver full power. Long running times, large volumes of dust and high mechanical loads place enormous demands on filtration systems. FW-FILTER products offer the best protection for your compressor.





## Our products in detail



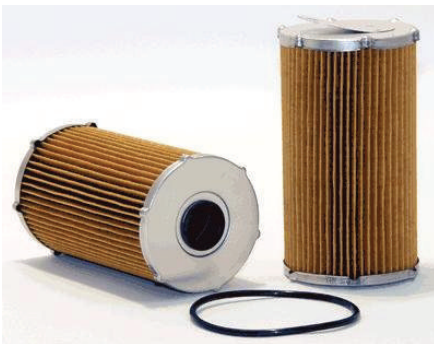
### Air filters

Save hard cash with high-performance air filters: Their huge dust holding capacity ensures long and efficient compressor running times. Reliable filtration protects and extends the lifetimes of the downstream oil filters and air/oil separator elements and ensures their optimal interaction. Your machine receives the best possible protection.



### Oil filters

Reliable lubrication; Our oil filters ensure the effective removal of contaminants from oil circuits. Clean oil not only ensure smooth operation of the compressor and long machine service life, but also extends the lifetimes of the downstream air/oil separator elements.



### Fuel filters

Maximum performance without the risk of engine failure: Reliable protection for sensitive components means that dirt particles and water are reliably removed, thus preventing wear and corrosion.



### Air/oil separator elements

Conservation of resources: Whether in element or box form, these ensure high separation rates and low quantities of residual oil. The separated oil is reliably returned to the oil circuit, extending its life. The small but significant side effects are environmental protection and cash savings.



## Filter Bag



### Telescopic spout

Good durability, compact conformation, reliable performance, easy to operate and maintain, high loading and discharging efficiency, dust-free. Widely used in quick loading/ discharging bulk goods into/ from trucks, train, or ships, such as cement, lime, alumina, pulverized coal, etc.

### Liquid filter bags

Widely used in industries such as food and beverage, bioengineering and pharmaceutical, manufacturing, petroleum and natural gas, electronics and galvanization, thermal power plant and waste liquid filtration, fluid and gas purification in daily chemicals industry, filtration of various coolants in mechanical processing and refrigeration industries, purification of various fluids in textile and paper making industries.

Filter bag collar available: Stainless steel collar, galvanized steel collar, PP plastic collar

Filtration precision: 1, 5, 10, 15, 25, 50, 75, 100, 150, 200 $\mu$ m

PP/PE 1-200 $\mu$ m liquid filtration cloth

Materials available PE (Polyester) PP(Polypropylene)

Working temperature:  $< 150^{\circ}\text{C}$

Specialties; Puffy fiber structure, high air permeability, repeat dust capture feature, better dust holding capacity, low fiber loss, no liquid contamination, long durability, low filtration resistance, liquid pressure dropping.

Techniques used: needle punching & singeing/press polish

Specification: 1-200 $\mu$ m

Width: Dominated by customer with 2.2m

Liquid filtration

## Filter Bag



Filter material for medium/ normal temperature

Materials available: Polyester, polypropylene, and acrylic etc.

Working temperature:  $< 160^{\circ}\text{C}$

Specialties: Good air permeability, high porosity, flat & smooth surface, good resistance to acid & alkali, good chemical properties, high dust collection efficiency, easy dust removal, high durability.

Techniques used: needle punching & other finish dealing methods.

Application: steel industry for iron smelting, casting and electric furnace dust collection; dealing with the exhaust in electrolytic aluminum fume, alumina transmission and non-ferrous smelting industries; ordinary dust removal and normal temperature exhaust treatment including the woodworking, grain processing, etc.

Filter material for high temperature

Material available: PPS (Ryton /polyphenylene sulfide), Nomex glass fiber, etc.

Working temperature:  $\geq 160^{\circ}\text{C}$

Specialties: Strong acid & alkali resistance, good stability, high filtering efficiency & durability.

Techniques used: needle punching & other finish cleaning methods.

Application: dust collection for low-oxidizability gas from garbage incinerator, metal melting, steel plants, coal-fire boiler and chemical industry; dust collection for high temperature gas such as blast-furnace gas, electric furnace exhaust, etc.

Dust collector bags

The dust collector bag is the core element of the filter-type dust collector. Usually the cylindrical impulse-type dust collector bag is suspended in the dust collectors vertically. Dust gas enters the dust collector bag from the air inlet and the passage board, big dust particles were filtered out into the dust hopper directly by inertia. When dust gas reached the filtering area of the box, dust is captured on the outer surface of the dust collector bags, and gas flows into the pocket through filter media, then purified gas discharges from the outlet.



## Other Applications



**We could help you to distinguish the Unknown Filters and manufacture the new filters to you.**



# Manufacturer







**Other Applications**

**Metallurgical  
Machinery  
Applications**



**Power  
Generation  
Applications**

**Chemical  
Petrochemical  
Applications**



