



# AIR COMPRESSORS FILTERS FOR ALL LEADING BRANDS

## Air Compressor Filters

Protect your compressed air installation against:



Moisture



Particles



Oil



Hydrocarbons



Viruses



Bacteria



Air Filters



Oil Filters



Separators



**PURIFIED PERFORMANCE FROM ASIANEX FILTERS**

**PLEASE PROVIDE- O.E.M- PART NUMBER & MAKE- WITH TYPE OF FILTER REQUIRED TO ENABLE QUOTE**

# 1. SPIN - ON TYPE AIR / OIL SEPARATORS



The spin-on separators are small in size, their main advantage is that the capacity can be increased by using separate units in line connection. They are designed as easily exchangeable elements not requiring any separator housing. The flow is either from inside to outside or from outside to inside. The pressure loss is around 0.25 bar at normal operating conditions with 1-3mg/m<sup>3</sup> carryover oil content and flow rates are in the range of 0.6 to 6m<sup>3</sup>/min under 7 bar operation pressure. The separator canister can withstand to 15- 20 bar pressure and mounted vertically. There are two systems for the discharge of separated oil. Accumulated oil is removed through a pipe and recirculated. The discharged air should be dry and oil free. Asianex spin-on air/oil filters are manufactured with high performance and efficiency under strict quality control.

# 2. AIR OIL SEPARATORS



Separator Types	Residual Oil content mg/m <sup>3</sup> 1to3mg/m <sup>3</sup>	Operating Temperature 120°C	Pressure Drop Bar	Available Nominal Flow Rates (at7bar) (0.7Mpa)
Standart Type	✓	✓	0,17	2 to 42m <sup>3</sup> /min (special and higher designed separators are available)
D-Type	✓	✓	0,20	3,5 to 58 m <sup>3</sup> /min (special and higher designed separators are available)
Spin-On Type	✓	✓	0,25	0,9 to 6,5 m <sup>3</sup> /min (special and higher designed separators are available)

### 3. AIR FILTERS

Air intake filters protect the compressor from any dust and dirt which it might suck in. The intake-air filter is the most important filter on your compressor. Dust is the number one enemy of your compressor. Because it will cause wear to the compressor element, valves and other parts. Asianex brand Air Filters quality Air -will save your compressors oil, oil separator, oil filters and all other moving parts.



#### Air Filters with Plastic End Caps

Asianex filter plastic end caps air filters are tough, easy to instal and replace from your system. Elements are lightweight, self-supporting and you dont need a housing for them.

You can install our plastic end caps air filters without any problem horizontally or vertically. If you need special request on these type of air filters, We can produce and design your special needs with different shapes, color and different filter media such as fiberglass or cellulose.



#### Air Filters with Metallic End Caps

These type of air filters used in Air Compressors, Blowers and pipelines for use in higher temperature applications.



Inlet Air Filter/Elements for compressors



## IN LINE FILTER ELEMENTS

In Line filters protect your equipment from dust, dirt, oil and water. Dust will wear down your equipment and it can make pneumatic control valves get stuck. Especially when the dirt and dust is combined with oil (which is often the case with compressors).

Asianex- In Line air filters have a lower pressure-drop than low-quality ones. This will save you energy. Every pressure drop in your system (from filters, dryers, long piping etc.) will require you to put your compressor on a higher set point, which will cost you extra electricity. Over time, dust will accumulate in your filters. All this dust will cause an extra obstacle for the compressed air. This means the pressure drop over your filter will become higher over time.

You can buy the filter elements separately from the housing, so you can change them to get high performance. When shopping for In Line Filters, keep in mind that quality is important. Our In Line filters will produce cleaner air, which means fewer problems with your equipment.

### Filter Types

#### **Particulate Filters**

Particulate compressed air filters are used to remove dust and particles from the air.

#### **Coalescing Filters**

Coalescing filters are used to capture oil and/or moisture that is suspended in the compressed air in very tiny droplets.

#### **Activated Carbon Filters**

Activated carbon filters will remove odors and vapors. They are used in factories where food is produced or for breathing-air for example.

ASIANEX- replacement filter elements which are the products of wide research and special design, can be utilized in many areas of industry for different applications. These type of filter elements are installed in compressor dryers as filter units made of one or more filters in succession.

In the first and the second stages of filtration solid and liquid particles of 1 to 5 microns are retained successively at very low pressure losses.

The third stage elements are for high pressures and filter the particles down to 0.01 micron. Another variety of these filter elements is the ones that contain active carbon. By this way, it removes odor and oil vapor particles down to 0,003 ppm. These highly efficient elements are designed to be used in applications of medical and food processing. Upon request of compressed air manufacturers, special designs or enhanced types of filter elements may also be manufactured.



## Radial Seal Filters

ASIANEX guarantees maximum strength and minimum restriction through its **special pleat design**. **Our special designed pleats, which creates built-in pleat spacing in the media. This adds extra stability and separation to prevent pleats bunching together from incoming air. To complete the process of air filter construction, an urethane compound is used to form the molded ends.** This urethane compound bonds the media pack, which includes the inner and outer metal wrappers, forming a strong, yet flexible package. The heavy-duty radial seal gasket formed from this urethane compound is designed to make servicing easier and reduces cost. The end result of this process is an exceptional balance of filter durability, efficiency and capacity.

Air filters created by ASIANEX meets or exceeds customer and OEM specifications. Our dynamic technical team works on the industry standard of air filtration to insure quality and long lasting performance and design to have an efficient balance of three important characteristics – maximum efficiency, minimum initial restriction and cost-effective service life.



### **REPLACEMENT COMPRESSOR FILTERS SERIES FROM ASIANEX**

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**PURIFIED PERFORMANCE**