



● MANN+HUMMEL companies
● Group companies



For us the best is just good enough

Leading OEM supplier

MANN+HUMMEL has been active in the segment of filtration for more than 70 years and is a leading producer of filters for compressed air systems. Over many years we have accumulated expertise with high performance and energy efficient filter systems and therefore it is no surprise that our customers include all renowned manufacturers of mobile and stationary compressors.

The independent US market research institute Freedonia has also assessed the market strength of MANN+HUMMEL

and in 2012 declared us to be the market leader in filtration. The institute assesses the company to be the no. 1 in the global market for filtration applications.

Global strength in sales, engineering, production and logistics

Our sales support, engineering, production and logistics are there where you need us – at more than 50 locations worldwide.

The company group has considerable strength in R&D and production technology in many fields. This enables us to harness

synergies and pass the benefits on to you. For example, MANN+HUMMEL has one of the world's largest production plants for filter elements and in particular for the air/oil separators which are so important for compressors. We also provide customers with a first class service in the area of logistics. Our global network of distribution centres and numerous customer-oriented delivery concepts make sure that our products are quickly available around the world. Our target is on-time delivery according to the agreed delivery schedule.

Whether for air/oil separation, air filtration or oil filtration – we can provide you with a suitable solution for all your filtration requirements. MANN+HUMMEL stands for first class products, energy efficiency and process reliability. We maintain the consistently high level of our products through continuous quality control and testing procedures.

First class filters for first class results

Protect your investment – with high quality filters from MANN+HUMMEL.

MANN+HUMMEL Group

The MANN+HUMMEL Group is an international company and employs over 14,750 people at 50 locations worldwide.

The group develops, produces and distributes innovative technical components and systems for the automotive industry and many other industrial fields.

A key area is high quality filtration products for vehicles, engines and industrial applications. The OEM business with global market leaders and producers of vehicles, machines and installations defines the quality and performance of the products. Filters for the international aftermarket are sold under

numerous international brands as well as under the MANN-FILTER brand.

MANN+HUMMEL Industrial Filtration

The Industrial Filtration Business Unit with its headquarters in Speyer, Germany, specialises in meeting the requirements

of off-highway vehicle and engine applications, compressed air and vacuum technology, mechanical engineering and plant construction. For these and other industrial fields MANN+HUMMEL Industrial Filtration offers high performance products for the filtration and separation of air, gases and liquids.



MANN+HUMMEL GMBH · Business Unit Industrial Filtration
67346 Speyer · Germany · Telephone +49 (62 32) 53-80 · Fax +49 (62 32) 53-88 99
Email: if.compressors@mann-hummel.com · Internet: www.mann-hummel.com



Air/oil separator



StarBox²

Features

- reduces pressure drop by up to 15%
- improved connection geometry

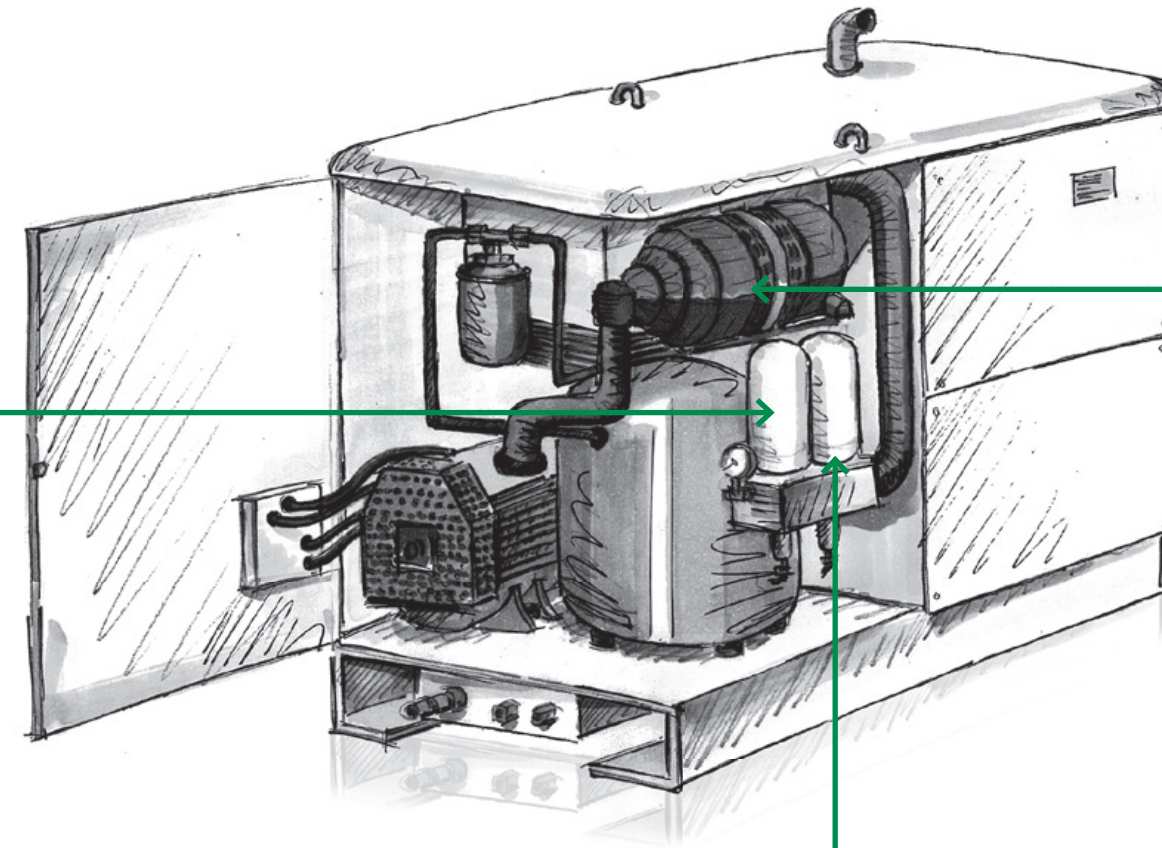
Sizes available
Size LB 7 to LB 13
FAD 2 to 6 m³/min

Application
stationary and mobile compressors approx. 55 kW

Advantages

- energy savings through reduced pressure drop
- technically improved, with backwards compatibility
- possible to retrofit to existing equipment
- customised version possible

Innovative filtration solutions increase the energy efficiency of compressors



Air cleaner



Europiclón 300 re-engineered – two-stage air cleaner

Features

- star-pleated main element
- integrated pre-separator (tangential inlet)
- safety element available as option
- welded-on 90° or straight filter outlet with connection for service indicator
- clean and dirty air ports available with metric or imperial dimensions

Sizes available
EP 200 (FAD 2 to 4,5 m³/min)
EP 300 (FAD 3 to 6 m³/min)
EP 400 (FAD 4 to 8 m³/min)
EP 500 (FAD 6 to 12 m³/min)

Application
compressors approx. 37 kW

Advantages

- variable concept to match installation space
- longer element life by high pre-separation efficiency
- integrated connection for service indicator



ENTARON XD 17 – two-stage air cleaner

Features

- star-pleated main element
- integrated pre-separator (tangential inlet)
- optional safety element

Sizes available
ENTARON XD 14 (FAD 7 to 14 m³/min)

ENTARON XD 17 (FAD 9 to 17 m³/min)
ENTARON XD 21 (FAD 11 to 21 m³/min)
ENTARON XD 21-24 (FAD 11 to 21 m³/min)
ENTARON XD 28 (FAD 14 to 28 m³/min)
ENTARON XD 28-32 (FAD 14 to 28 m³/min)

Application
mobile 90 kW compressors

Advantages

- robust
- long service life by high pre-separation efficiency
- integrated mounting bracket



IQORON-S 7 – single-stage air cleaner

Features

- CompacPleat double bellows element
- optional secondary element

Sizes available
IQORON-S 7 (FAD 4 to 7 m³/min)

Application
stationary compressors approx. 37 kW

Advantages

- compact design
- robust
- low flow resistance
- high performance to size ratio



IQORON-V 7 – two-stage air cleaner

Features

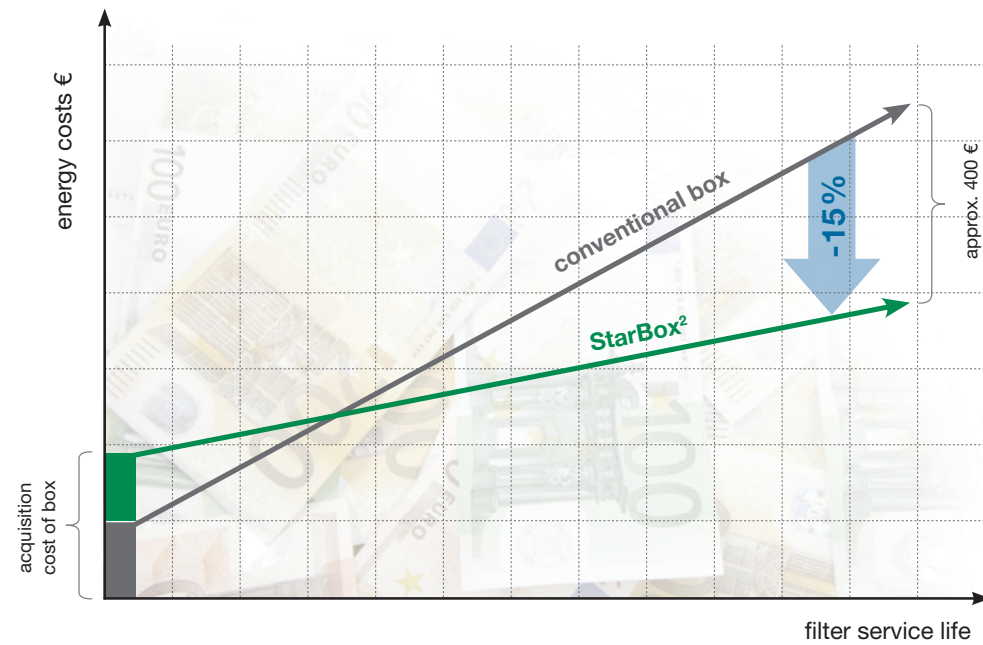
- CompacPleat double bellows element
- integrated pre-separator (multi-cyclone block)
- secondary element optional

Sizes available
IQORON-V 7 (FAD 4 to 7 m³/min)
IQORON-V 9 (FAD 5 to 9 m³/min)

Application
mobile compressors approx. 37 kW

Advantages

- pre-separation of > 87%, resulting in long service life
- compact design
- robust



Example based on a 50 kW compressor, at 7 bar, an electricity rate of 8 ct/kWh and 4,000 hrs service interval

StarBox² – high energy savings

Energy efficiency is an important driving force for growth at MANN+HUMMEL. The first StarBox generation of air/oil separator boxes was already a significant step forwards.

StarBox² now continues this success. Compared to a conventional air/oil separator box, during its service life the StarBox² enables energy savings of up to 400 euros. This means in terms of total costs its running costs are approx. 15% less than a conventional air/oil separator boxes.

Oil filter – Clean Service



Oil filter with drain option

Features

- controlled oil drain
- volume flow rate and pressure stability the same as with existing filters
- manipulation-proof
- no protruding parts

Sizes available
Size W 9 to W 13, WD 9 to WD 13

Application
stationary and mobile compressors

Advantages

- clean oil filter change by pre-emptying of filter and lines
- maintenance key supplied with replacement filter
- customized version possible
- possible to use with almost all oil filters