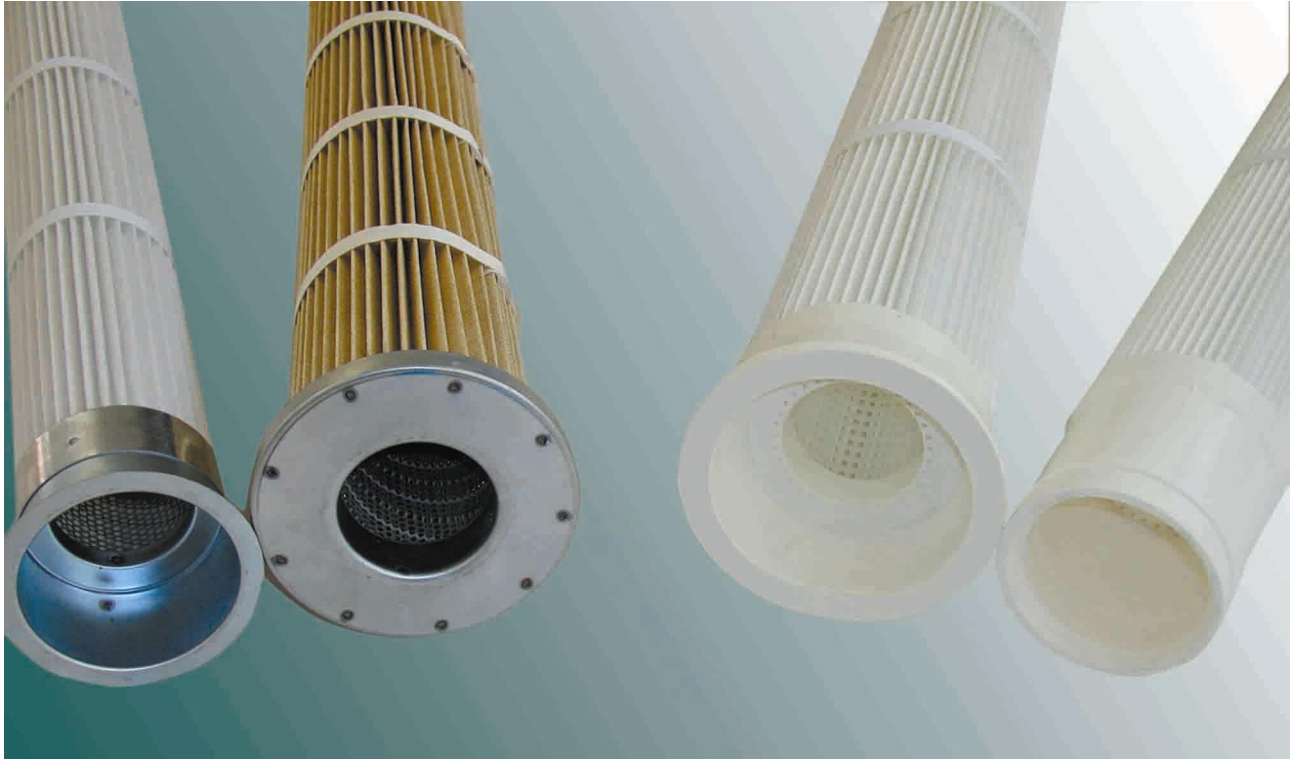


ULTRASEP

Bag replacement cartridges



Pleated filter elements for bag filter installations

Dust collector installations with filter bags are commonly used for many years or even decades in various industries.

The performance of such installations can hardly keep up with the constantly growing demands.

There are various reasons for this:

- Ø **production methods are changing**
- Ø **dust loads are increasing**
- Ø **emission limits are decreasing**
- Ø **desired dust or product retention will not be achieved anymore**

ULTRASEP

Bag replacement cartridges



Its desired to improve the performance of the system without any modification of the filter housing.

ULTRASEP filter cartridges are very effective and space saving alternatives for the existing filter bags.

The filter cartridges offer up to three times more filter area than conventional bags with the same size.

ULTRASEP filter cartridges can replace conventional filterbags and cages without modification of the existing installation.

ULTRASEP cartridges are available with diameters of 118-156 mm in various designs for almost all commonly known installations. A large number of specials in terms of dimensions and design are also available.

ULTRASEP cartridges are ready to install. The integrated design with casted top and bottom makes the replacement easy and quick with a minimum down time.

ULTRASEP filter cartridges are shorter than the previous filter bags. Thus the crude gas room will be enlarged and the gas speed will be considerably reduced. Dust collection and dust transport inside the hopper will be improved and any possible abrasion will be reduced.

ULTRASEP cartridges are available for the installation from the clean gas side or the crude gas side at lengths from 600 mm to 2,000 mm.

Ridgid and temperature-resistant filter cartridges are available for temperatures up to 190°C.

ULTRASEP filter cartridges are successfully used in dust collector systems for metallurgic processes, the metal working, cement and mineral industry, aluminium production, chemical industry and pigment industry.



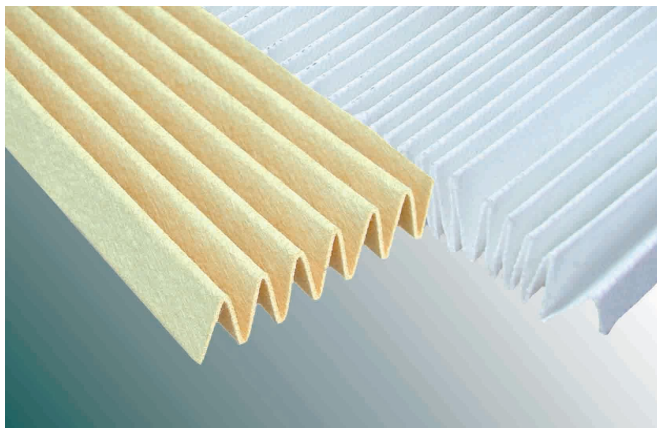
ULTRASEP

Bag replacement cartridges

ULTRASEP filter cartridges need less cleaning and thus reduce compressed air consumption. The improved air flow as well as the non-contaminating synthetic components of the filter cartridges offer a great advantage to the pharmaceutical and food industry.

The essential characteristics of **ULTRASEP** filter cartridges at a glance:

- Ø reduced installation times thanks to the
- Ø integral, one-piece design
- Ø the top made of soft polyurethane, galvanized steel or stainless steel as an individual adapter to the tube sheet
- Ø the bottom made soft polyurethane, galvanized steel or stainless steel as a safe abrasion protection in the crude gas area
- Ø inner support tube casted in the top and bottom, made of polyethylene, polypropylene or perforated sheet metal (galvanized or stainless), supports the pleat pack and
- Ø ensures a defined length in any situation
- Ø pleat pack as a key element for the safe operation of the filter cartridges made of especially selected filter media with individually selected pleat depth and pleat geometry
- Ø exterior support belts keep the pleat pack straight and thus
- Ø increase the life time of ULTRASEP filter cartridges



ULTRASEP filter cartridges made from a 100% spun bond polyester fabric have a very open and pleat structure with a small pleat depth. This design prevents particles from penetrating into the structure and realizes a significant increase of the dust collection capacity (BIA class M, e.g. emission grad < 0.1%) with a constant low differential pressure level.

The spun bond fabrics have a very fine pore structure and a rigid stability. This makes the difference to conventional needle felt.

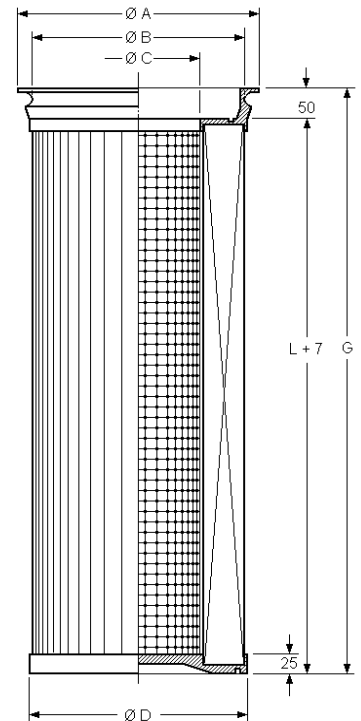
Polyester fabrics are available with additional oil- and water-repellent treatment as well as electrically conductive treatment. Optional laminated FIBRILON membrane is available. Even combinations of these versions are possible. RYTON or NOMEX needle felts, optional with laminated FIBRILON membrane are available for applications with higher temperatures or any other special applications.

ULTRASEP

Bag replacement cartridges

Model SE

Description	SE12	SE13	SE14	SE15
A	148mm	159mm	180mm	180mm
B	122mm	127mm	152mm	159mm
C	76mm	83mm	83mm	83mm
D	120mm	125mm	145mm	156mm
G	L + 57mm	L + 57mm	L + 57mm	L + 57mm
Pleat depth	15mm	15mm	25mm	30mm
Filter area per metre	1.05m ³ (35 Pleats)	1.05m ³ (35 Pleats)	2.00m ² (40 Pleats)	2.40m ² (40 Pleats)
	1.35m ² (45 Pleats)	1.35m ² (45 Pleats)	2.80m ² (56 Pleats)	3.00m ² (50 Pleats)
	1.80m ² (60 Pleats)	1.80m ² (60 Pleats)	3.60m ² (72 Pleats)	3.60m ² (60 Pleats)
Length L of pleat pack	600mm, 1000mm, 1400mm and 2000mm Special length up to 2,000mm on request			
Filter Media	ULTRATOP 806, 806TR, 806ME Special media on request			
Operating temperature	Standard up to 80°C Higher temperatures on request			



Model SEB

Description	SEB12	SEB13	SEB14	SEB15
A	123mm	138mm	143mm	154mm
B	106mm	121mm	130mm	141mm
C	84mm	84mm	84mm	84mm
D	125mm	125mm	145mm	156mm
E	155mm	80mm	155mm	155mm
G	L + 162mm	L + 87mm	L + 162mm	L + 162mm
Pleat depth	15mm	15mm	25mm	30mm
Filter area per metre	1.05m ² (35 Pleats)	1.05m ² (35 Pleats)	2.00m ² (40 Pleats)	2.40m ² (40 Pleats)
	1.35m ² (45 Pleats)	1.35m ² (45 Pleats)	2.80m ² (56 Pleats)	3.00m ² (50 Pleats)
	1.80m ² (60 Pleats)	1.80m ² (60 Pleats)	3.60m ² (72 Pleats)	3.60m ² (60 Pleats)
Length L of pleat pack	600mm, 1000mm, 1400mm and 2000mm Special length up to 2,000mm on request			
Filter media	ULTRATOP 806, 806TR, 806ME Special media on request			
Operating temperature	Standard up to 80°C higher temperatures on request			

