



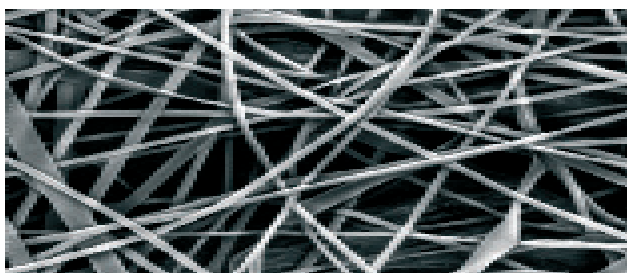
The high performance
industrial filter with
ultra fiber technology

The ultrafilter - filter elements with ultra fiber technology

Advantages by Innovation

The quality of filter elements is increasingly important, first because the requirements for clean compressed air and technical gases are constantly being raised, and second because awareness of the environment and energy efficiency is always on the increase.

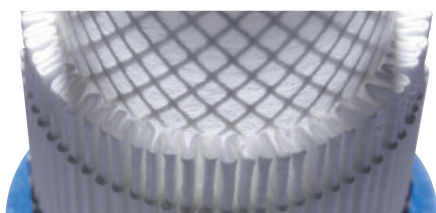
Ultrafilter has once again demonstrated that it is one of the most innovative suppliers in the market with the introduction of its new ultrafilter high-performance filter elements with efficiency of 99.99998%. And, thanks to the unique combination of binder-free, non woven ultra fiber filter media and pleating technology, a reduction in energy costs of 70% is achieved as well as improved filtration performance!



The fibers of the ultrafilter ultra fiber filter media are not bounded with an adhesives as is commonly the case, but thermally welded. The differential pressure is thus reduced and dirt-holding capacity is significantly greater.

450% greater filter area!

The secret of this vast increase in performance lies in the pleating of the ultra fiber filter media. The pleating process mechanically folds the non-woven filter media many times. This makes the filter area 450% larger than that of a conventional filter element.



The pleated ultrafilter high-performance filter element.

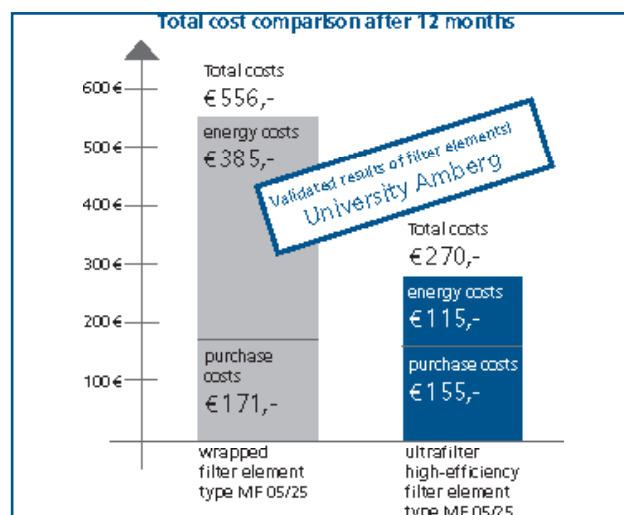
Many added-value benefits!

You obtain obvious benefits when you use the new pleated ultrafilter high-performance filter element:

- low differential pressure
- improved filtration efficiency
- greater dirt-capturing capacity
- 70 % lower energy costs

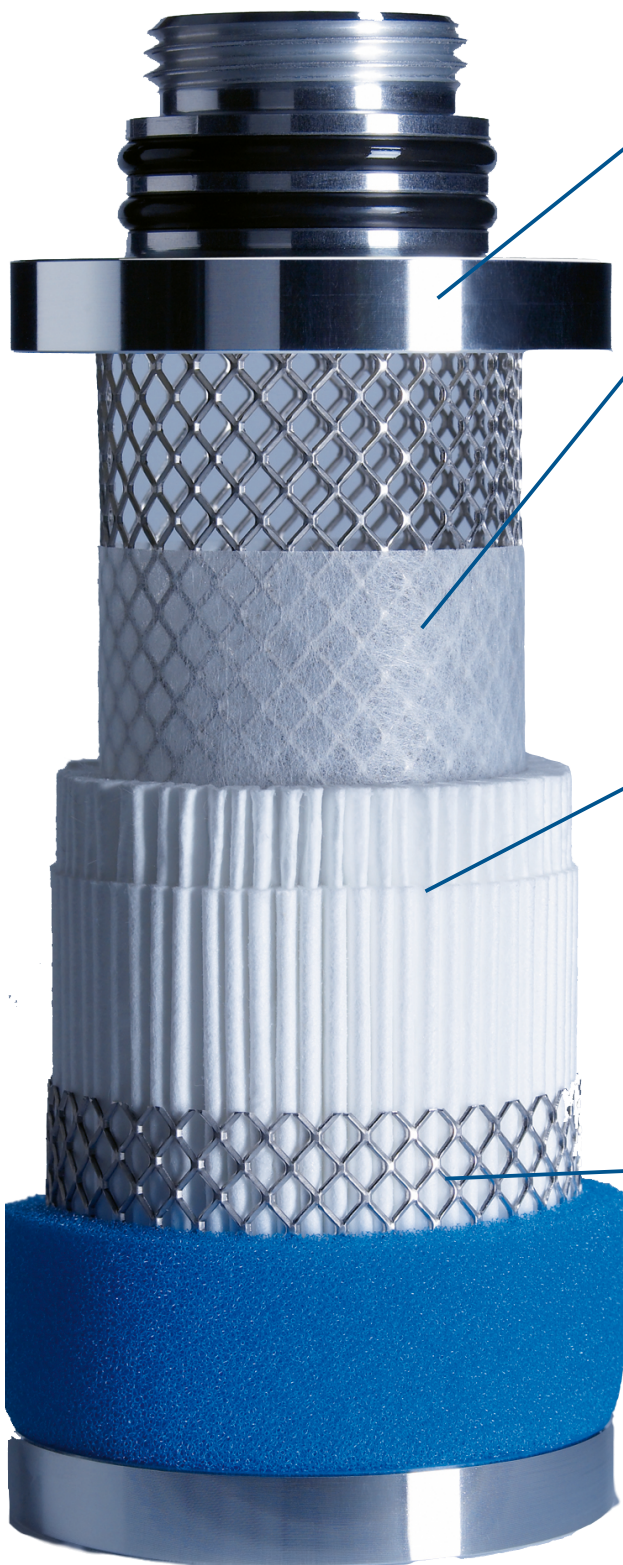
In addition, the new ultra fiber media from ultrafilter is 'oleo-phobic', which means oil and water are actively rejected, so the differential pressure drop (and therefore operating costs) are reduced to a minimum compared to conventional filter elements.

Massively reduced costs!



Depending on size, the use of the new high-performance filter elements from ultrafilter, saves users between € 280 and € 1,600 per filter element in energy costs per year.

High performance industrial filter with ultra fibre technology



End caps from anodized aluminum

- made of highest quality, anodized aluminum

ultra fiber filter media.

- Multilayer, binder-free ultra fiber media, made of borosilicate fibers with a void volume of over 98%.
- The three-dimensional construction extends the service life and filtration performance by effectively separating larger solid particles in the per-filter-layer.
- Ole-phobic - actively rejects oil and water, thus reducing differential pressure
- ultra fibers are 10 times finer than micro-fibers and so ensure superior filtration efficiency.

The pleated filter media.

- 450% larger filter area than conventionally wrapped filter elements.
- Increased depth filtration capacity and aerosols archived by combining several different filtration mechanisms.
- Low airflow speeds ensure better retention of particles.
- Mechanical pleating for consistently high standards.

Robust inner and outer support.

- Made of high-quality 316L stainless steel, extremely large free flow.

Quality made by Ultrafilter

- Highest material quality
- Best production quality
- Perfect functional quality
- Unique patent radial technology
- 450% more filter area
- Greater dirt-holding capacity
- Uniform, Omni-differential pore structure ensures back washable capacity

The ultrafilter - filter elements with ultra fiber technology

Technical data Industrial filter with ultra fibre technology

housing size	capacity				connection	filter element	
	nominal		maximal			size	quantity
	m³/h	cfm	m³/h	cfm	R/DN		
0002	20	12	40	25	R 1/4	02/05	1
0004	40	25	60	35	R 3/8	03/05	1
0006	60	35	90	55	R 3/8	03/10	1
0009	90	55	120	70	R 1/2	04/10	1
0012	120	70	180	105	R 1/2	04/20	1
0018	180	105	270	160	R 3/4	05/20	1
0027	270	160	360	210	R 1	05/25	1
0036	360	210	480	280	R 1 1/4	07/25	1
0048	480	280	720	420	R 1 1/2	07/30	1
0072	720	420	1080	630	R 2	10/30	1
0108	1080	630	1440	835	R 2	15/30	1
0144	1440	835	1920	1115	R 2 1/2	20/30	1
0192	1920	1115	2880	1670	R 3	30/30	1
0288	2880	1670	4320	630	R 3	30/50	1
0108	1080	630	1440	835	DN 50	15/30	1
0144	1440	835	1920	1115	DN 65	20/30	1
0192	1920	1115	2880	1670	DN 80	30/30	1
0288	2880	1670	4320	2500	DN 80	30/50	1
0432	4320	2500	5760	3350	DN 100	20/30	3
0576	5760	3350	7680	4455	DN 100	30/30	3
0768	7680	4455	11520	6680	DN 150	30/30	4
1152	11520	6680	15360	8910	DN 150	30/30	6
1536	15360	8910	19200	11135	DN 200	30/30	8
1920	19200	11135	23040	13365	DN 200	30/30	10
2304	23040	13365	30720	17820	DN 250	30/30	12
3072	30720	17820	38400	22270	DN 250	30/30	16
3840	38400	22270	51072	29620	DN 300	30/30	20

The ultrafilter full service ensures permanent reliability and availability.

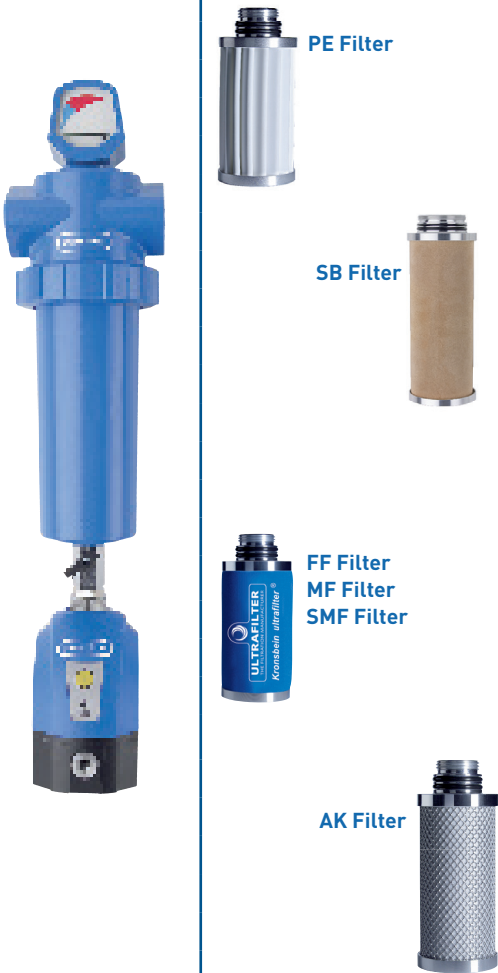
During its life cycle, in order to protect the compressed air system, the filter element is exposed to substances containing oil, acid and in most cases lacquer-like substances such as condensates and high volatile solid particles. Over time, the differential pressure increases and energy costs increase. In order to guarantee the highest quality of compressed air and lowest life-cycle costs, the filter elements must be replaced every twelve month with

high-efficiency filters.

Regular replacements avoid costly breakdowns or complicated and expensive repairs. You benefit from the advantages of the ultrafilter full service: all costs incurred for inspection and maintenance by a fixed monthly fee. And ultrafilter assumes responsibility for the entire risk of repair costs that can not be calculated in advance, and guarantees 100% availability of their compressed air installation.

High performance industrial filter with ultra fibre technology

Ultrafilter high performance filter and housings

	housing size	volume flow				con- nection	filter element	
		nominal		maximal			Size	Quantity
		m ³ /h	cfm	m ³ /h	cfm	R/DN		
	0002	20	12	40	25	R 1/4	02/05	1
	0004	40	25	60	35	R 3/8	03/05	1
	0006	60	35	90	55	R 3/8	03/10	1
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