ULTRAFILTER
THE FILTRATION MANUFACTURER

THE SCANDINAVIAN FILTRATION PARTNER

LIQUID

GAS

STERILE AIR & STEAM

AIR

WWW.ULTRA-FILTER.COM

AIR

GUIDES

Icon Guide

- **Material(s)** — *For filter elements this is describing the filter media.*
- **Certificate(s)** — *FDA or PED? You find any certificate here.*
- **Flow** — *Recommended max. flow unless otherwise described.*
- **Surface Roughness** — *The roughness of the filter housing surface. Described in µm.*
- **Dimensions** — *For filter elements this describes the length.*
- **Filtration Rate** — *The micron rating of the filter element.*
- **Inlet/Outlet Connection** — *Refer to the table if the filterhousing has various connection sizes.*
- **Diameter** — *The cartridge diameter of filter elements.*
- **Effectivity** — *Describes the retention of particles equal to the micron rating.*
- **End Cap** — *See guides for overview of end caps.*
- **Pressure** — *Recommended max. pressure unless otherwise described.*
- **Differential Pressure** — *Recommended max. diff. pressure unless otherwise described.*
- **O-ring Material** — *Describes the standard o-ring. We can supply different materials.*
- **Temperature** — *Recommended max. temperature unless otherwise described.*
- **Dew Point** — *Describes the achievable dew points.*

ULTRAFILTER
THE FILTRATION MANUFACTURER

THE SCANDINAVIAN FILTRATION PARTNER

Ultrafilter Scandinavia offers a wide selection of filtration products for compressed air, liquids and gas. We have stock in Denmark and from here we distribute all of our products to Scandinavia and the Baltic countries.

Ultrafilter Scandinavia is a part of the Ultrafilter Group. Production is in Germany and we have several subsidiaries in Europe and the United States.

In all countries, you can buy our products on local websites. Information about our products as well as brochures and manuals can be found on our website. We can adapt all of our filtration products to your needs, and we offer visits from our consultants in order to find the right solution for you. We also offer on going service on our products once they are installed.

We have many different kinds of compressed air filters that are compatible with compressed air systems of all brands. We also offer compressed air dryers, adsorption and membrane dryers in addition to auto drain compressors, compressed air tanks and oil-water separators. Additionally, we have a sterile compressed air filter for food and beverage applications.

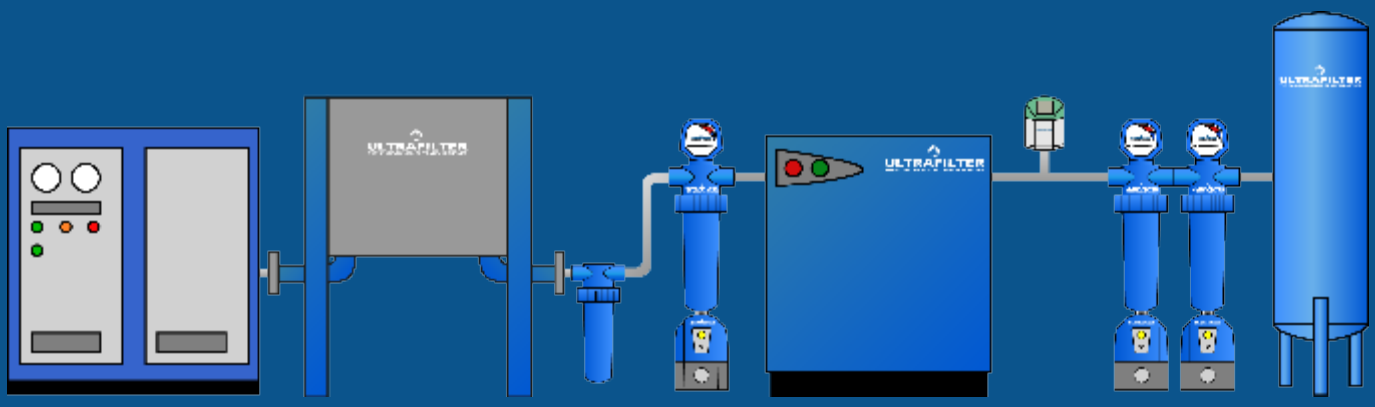
We offer all kinds of filters for liquids such as bag filters, absolute filters and membrane filters, with industrial applications, such as coolant. We have a great deal of experience with filter solutions for the food and beverage industry, and our products are approved by EC 1935/2004 as well as FDA. We also have filters for drinking water.

We have one of the best generators for manufacturing nitrogen and oxygen and for filtering all kinds of gas like methane and bio gas.

Ultrafilter design and manufacture components and systems for the purification of compressed air, technical gases and liquids.

ISO 9001:2015

AIR

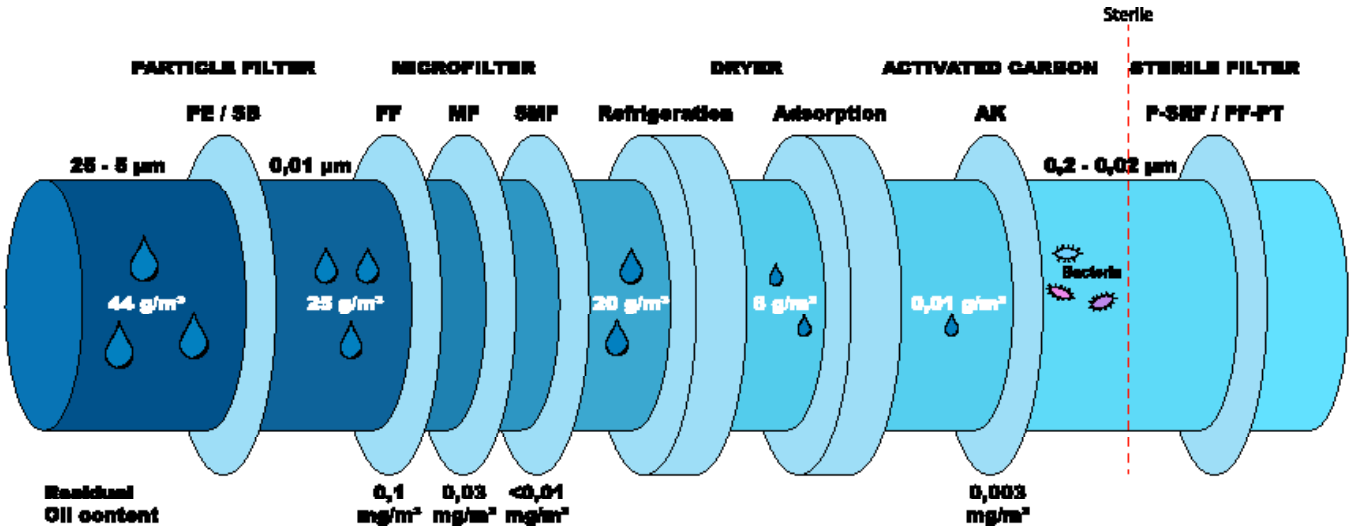


COMPRESSED AIR

Compressed air contains water, oil and particles, therefore it is a good idea to filter your compressed air before it is used in production, the quality of the compressed air depends on how and where you need to use it. Ultrafilter offers all types of compressed air and technical gas filtration.

At Ultrafilter we have extensive experience with compressed air and compressed air filters. We stand ready to draw on this experience, if you need advice and guidance in connection with compressed air. We help you find the air filter to suit your compressed air system, and which comply with industry and customer requirements.

To achieve compressed air of high quality we need to remove the oil, water and particles from the air. On the illustration below you can see how the different filters affects the compressed air.



ISO 8573-2010

We use ISO 8573-2010 as a reference when choosing compressed air filters, and to find out to which level it is necessary to clean the air. ISO 8563-2010 contains particles class, water class and oil class. When refering to an ISO class, the classes are written in that order.

As an example: ISO class 2.4.1

Class	Particles pr. m³			Dew Point	Residual Oil Content
	0,1 - 0,5 µm	0,5 - 1 µm	1 - 5 µm		
1	≤ 20.000	≤ 400	≤ 10	-70°C	≤ 0,01 mg/m³
2	≤ 400.000	≤ 6.000	≤ 100	-40°C	≤ 0,1 mg/m³
3		≤ 90.000	≤ 1.000	-20°C	≤ 1 mg/m³
4			≤ 10.000	+3°C	≤ 5 mg/m³
5			≤ 100.000	+7°C	
6				+10°C	

Application	Particle Class	Water Class	Oil Class
General automatic	2-5	3-4	2
Blown air	5	5	2
Laser cutting	1	1-2	1
Paints	1	2-3	1
Machines with automation	2-3	2-3	1-2
Surface	1-3	3-4	1
Sandblasting	3-5	3-5	4
Breathing air	1	3	1
Process Industry			
Automatic (cylinders, solenoid valves)	1-5	3-4	1-3
General compressed air	3-5	4-5	2
Measurement & control engineering	1	2-4	1
Process air	1-3	2-3	1
Blasting / powder transport	1-3	2-4	1
Food Industry			
Automatic (cylinders, solenoid valves)	1-3	3-4	1-2
Wrappers	1-3	3-4	1-2
Tapping columns	1-3	3-4	1-2
Air tools in the production room	1-3	3-4	1-2
Air tools in workshop	4-5	4-5	4

AIR-COOLED AFTERCOOLER

UA-AIR

Technical Data

- 10 or 16 bar
- 200°C
- Steel and aluminium
- 72 - 3000 m³/h

The aftercoolers in the UA-AIR series use ambient air to cool the output compressed air at the compressor at an output temperature of only 10°C higher than the ambient temperature. This cooling causes condensation of up to 80% of the moisture in the compressed air. The condensate is then gathered and discharged in the cyclone, installed at the aftercooler outlet.

The aftercoolers are made up from a heat exchanger a with finned coil, cooled by a high-efficiency axial fan mounted on a galvanised and painted sheet structure

ACCESORIES FOR AFTERCOOLERS

Level Controlled Drain

Zero Loss Drain

WATER-COOLED AFTERCOOLER

UA-WATER

Technical Data

- 10 or 16 bar
- 200°C
- Steel
- 90 - 7500 m³/h
- PED

Aftercoolers from the UA-water series allow the efficient purification of compressed air by cooling the air at the outlet of the compressor at an outlet temperature of only 10°C higher than that of the inlet process water. This cooling causes condensation of up to 80% of the moisture present in the compressed air, which can be separated out of the air by the cyclone installed at the outlet of the cooler.

UA-Water has a robust design suited to the extreme conditions of typically industrial tasks;

Carbon steel vessel with copper tubes, which can also be used for seawater.

ACCESORIES FOR AFTERCOOLERS

Level Controlled Drain

Zero Loss Drain

COMPRESSED AIR FILTER
AG

AG standard filter housings are designed for the purification of compressed air and gases in an industrial operation. This product series offers 14 different housings ranging from a volume flow of 20 m³/h to 2880 m³/h (related to 1 bar and 20°C). We offer you 10 years working guarantee.

The housings are made out of three parts and due to an optimized construction, offer low differential pressures at high flow rates and as a standard equipped with a manometer and a float type drain. Other drains and accesories available.

Technical Data

- Aluminium
- 16 bar
- 65°C
- Perbunan Gasket
- SB, PE, FF, MF, SMF, AK & AKK
- PED

Features & Benefits

BSP or NPT Connection

Low differential pressure (>50mbar)

ACCESORIES FOR AG FILTER

Manometer

Float Drain

Level Controlled Drain

Timer Drain

Model	Flow m³/h	Connection in/out	Filter Element
AG 0002	20	¼”	02/05
AG 0004	40	⅜”	03/05
AG 0006	60	⅜”	03/10
AG 0009	90	½”	04/10
AG 0012	120	½”	04/20
AG 0018	180	¾”	05/20
AG 0027	270	1”	05/25
AG 0036	360	1 ¼”	07/25
AG 0048	480	1 ½”	07/30
AG 0072	720	2”	10/30
AG 0108	1080	2”	15/30
AG 0144	1440	2 ½”	20/30
AG 0192	1920	3”	30/30
AG 0288	2880	3”	30/50

Correction factor (flow x K1 = recommended flow rate)

Operating pressure	bar	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Correction factor	K1	0,25	0,36	0,5	0,6	0,75	0,9	1	1,1	1,2	1,4	1,5	1,6	1,75	1,9	2	2,1

FILTER HOUSING WITH FLANGES

SG

Technical Data

- Steel
- 16 bar (25 bar option)
- 120°C
- Perbunan Gasket
- SB, PE, FF, MF, SMF, AK & AKK
- PED

Features & Benefits

Flange DN / ANSI Connection

Low differential pressure (>50mbar)

SG filter housing series with bottom opening for easy maintenance and exchange of filter elements. For higher filtration efficiency with Ultrafilter “High Performance” filter elements.

The SG filter housing offer minimal pressure loss due to improved flow technology and we guarantee the filter a long life thanks to the resin coating and the automatically controlled, level sensing float drain.

The SG filter housing comes with flange connections from DN50 to DN300.

Max. operating pressure: 16 bar.

ACCESORIES FOR SG FILTER

Manometer

Zero Loss Drain

Level Controlled Drain

Timer Drain

Model	Flow m³/h	Connection in/out	Filter Element	
			Size	Qty
SG 0108	1080	DN 50	15/30	1
SG 0144	1440	DN 65	20/30	1
SG 0192	1920	DN 80	30/30	1
SG 0288	2880	DN 80	30/50	1
SG 0432	4320	DN 100	20/30	3
SG 0576	5760	DN 100	30/30	3
SG 0768	7680	DN 150	30/30	4
SG 1152	11520	DN 150	30/30	6
SG 1536	15360	DN 200	30/30	8
SG 1920	19200	DN 200	30/30	10
SG 2304	23040	DN 250	30/30	12
SG 3072	30720	DN 250	30/30	16
SG 3840	38400	DN 300	30/30	20

Correction factor (flow x K1 = recommended flow rate):

Operating pressure	bar	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Correction factor	K1	0,25	0,36	0,5	0,6	0,75	0,9	1	1,1	1,2	1,4	1,5	1,6	1,75	1,9	2	2,1

HIGH PRESSURE FILTER HOUSING

HD

Technical Data

- Aluminium or carbon steel
- 25, 40, 64, 100, 250 or 400 bar
- -10 to +80°C
- Perbunan Gasket
- SB, PE, FF, MF, SMF, AK & AKK
- PED

The Ultrafilter HD high pressure filter housings are designed for the purification of compressed air and gases.

Due to the modular design of the housings different filter elements can be used.

A multitude of housings with different connections, allow to match the requirements of the application, e. g. the compressor size. This product series offers 8 different housings ranging from a volume flow of 30 m3/h to 720 m3/h, in the pressure stages PN 25 to PN 400 (related to 7 bar (ü) and 20°C).

Timer Drain Optional

Model	Flow @ 7 bar m³/h	Connection in/out	Pressure PN	Filter Element
HD 0003	30	¼”	25-400	03/05
HD 0006	60	⅜”	25-400	03/10
HD 0012	120	½”	25-400	04/20
HD 0018	180	¾”	25-400	05/20
HD 0027	270	1”	25-400	05/25
HD 0036	360	1¼”	25-400	07/25
HD 0048	480	1½”	25-400	07/30
HD 0072	720	2”	25-400	10/30

Correction factor (flow x K1 = recommended flow rate):

Operating pressure	bar	7	25	40	64	100	250	400
Correction factor	K1	1	3	5	8	12	12	12

PREFILTER ELEMENTS

SB / PE

Technical Data

- PE: Polyethylene. SB: Stainless Steel
- PE: 25 µm. SB: 1, 5 or 25 µm
- 99%
- PE up to 80, SB up to 120
- Aluminium end caps
- Perbunan Gaskets

Ultrafilter offers filter elements for most compressed air applications. These high quality filter elements are made with the finest pleating technology and aluminum endcaps. Unique to the industry with their extremely low differential pressure.

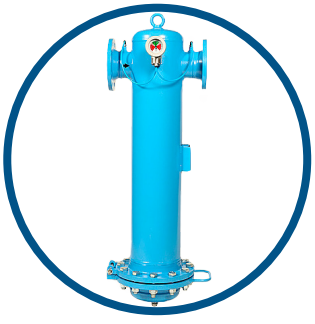
PE elements are made of a sintered polyethylene filter media and guarantee absolute retention rates. By using various filtration mechanisms – such as direct impact and sieve effect – contaminants down to the size of 25 µm are being retained.

The SB is a prefilter, developed for retention of particles and liquids out of compressed air. The sintered stainless steel filtration material assures high thermal durability.

Ultrafilter offers filter elements for most compressed air applications. These high quality filter elements are made with the finest pleating technology and aluminum endcaps. Unique to the industry with their extremely low differential pressure.

RECOMMENDED FILTER HOUSINGS

AG



SG

HD

MICROFILTER ELEMENTS

FF / MF / SMF

Ultrafilter offers filter elements for most compressed air applications. These high quality filter elements are made with the finest pleating technology and aluminum endcaps. Unique to the industry with their extremely low differential pressure.

The FF/MF/SMF filter elements are made with a pleated oleophobic filter media that rejects oil and water.

Advanced pleating techniques mixed with nano technology, makes our “High Performance” filters much more effective than a standard filter, as the pleating provides a 450% larger filtration surface per square inch. The special pleating also secures a much larger particle retention capacity.

The benefits of using this type of filter is low differential pressure, up to 70% lower energy costs and improved efficiency of filtration.

Technical Data

- Borosilicate, cerex and polyurethane
- 0,01 µm
- 99%
- 80°C
- Aluminium end caps
- Perbunan Gaskets

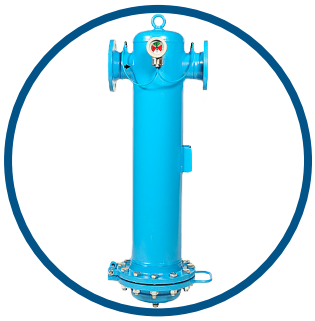
Features & Benefits

Low differential pressure entire lifetime

Lifetime: 8000 hours / 1 year

RECOMMENDED FILTER HOUSINGS

AG



SG

HD

Type	Filtration rate	Effectivity	Residual oil content	Start-up differential pressure
FF	0,01 µm	99,999%	0,1 mg/m³	0,04 bar
MF	0,01 µm	99,99998%	0,03 mg/m³	0,08 bar
SMF	0,01 µm	99,99999%	<0,01 mg/m³	0,09 bar

ACTIVATED CARBON ELEMENTS

AK / AKK

AKK

AK

Technical Data

- Activated Carbon and Borosilicate
- 10 - 40°C
- Aluminium end caps
- Perbunan Gaskets

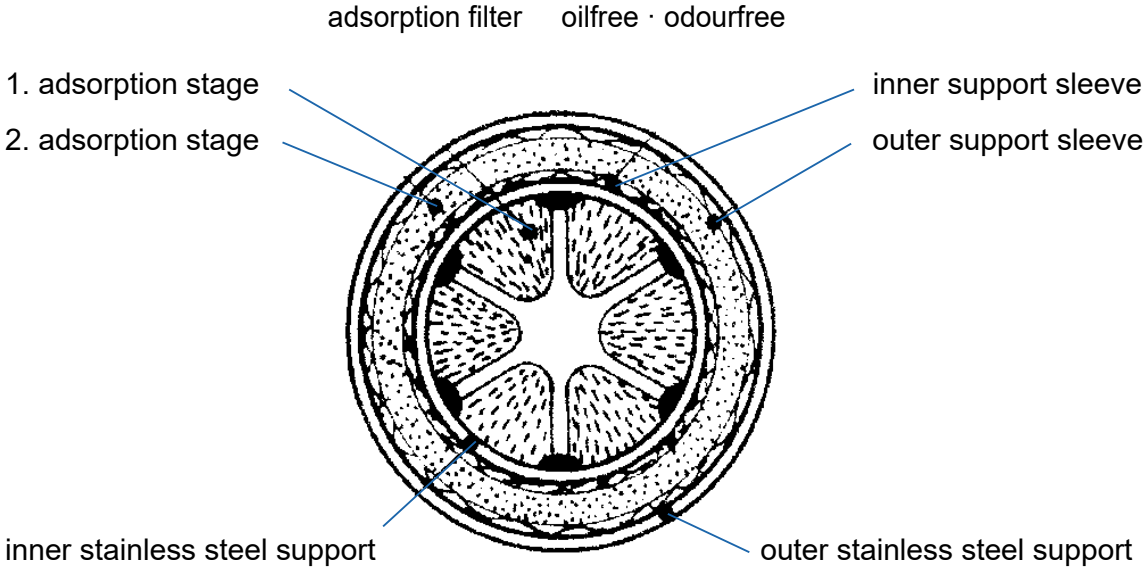
Residual oil content: < 0,003 mg/m³

Lifetime: 1000-2000 hours (AK)
2000-4000 hours (AKK)
Maximum 3 months.

Ultrafilter offers filter elements for most compressed air applications. These high quality filter elements are made with the finest pleating technology and aluminum endcaps. Unique to the industry with their extremely low differential pressure.

The AK filter elements consist of a two-stage filtration. All particles are kept in a nanofiber depth filter media, while the activated carbon adsorbs all oil vapors and gaseous hydrocarbons.

Ultrafilter offers filter elements for most compressed air applications. These high quality filter elements are made with the finest pleating technology and aluminum endcaps. Unique to the industry with their extremely low differential pressure.



ALTERNATIVE ELEMENTS

Our series of cross over elements makes it possible to use our high quality filters in filter housings from different manufactures. We are mostly using the same pleating mixed with nano technology in all the cross over elements we offer.

Domnick Hunter Evolution

Domnick Hunter Oil-X

Hiross

Atlas Copco

Zander

Hankison

Deltech

Walker

Donaldson

Kaeser

Stenhøj

BEKO

BY REQUEST ALSO

Compair
Ceccato
Ingersoll Rand
ALUP
ALMiG
Pneumatech
Chicago Pneumatic
MARK
And many others (see table on next page or contact our customer service.)

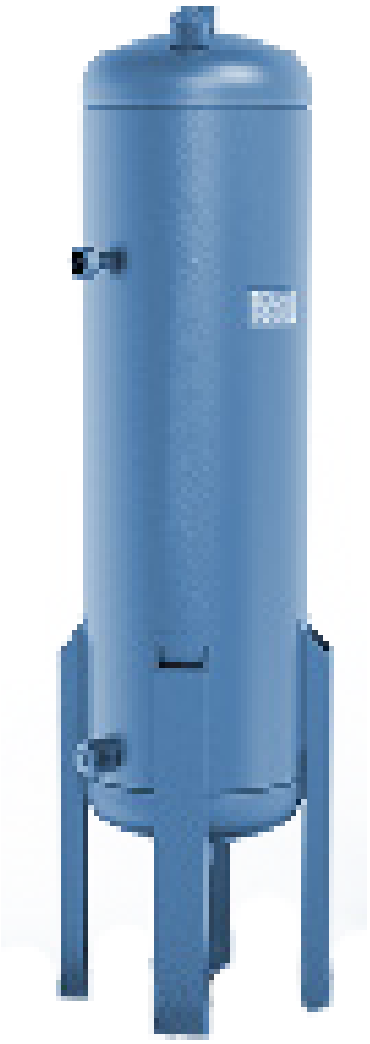
PLEATED MEDIA TECHNOLOGY

ALTERNATIVE ELEMENTS

	Prefilter	Prefilter	Microfilter	Submicrofilter	Activated Carbon
ISO Class (8573-2010)	**6**	**3**	**2**	**1**	**1***
Residual oil content	**N/A**	**0,1 mg/m³**	**0,01 mg/m³**	**0,001 mg/m³**	**0,003 mg/m³**
Particle Removal	**3,0 µm**	**1,0 µm**	**0,01 µm**	**0,01 µm**	**N/A**
ABAC	AQF	APF, AEF	AHF	-	ACF
ALMIG	AFP	AFM	AFS	-	AFC
ALUP	VA	-	MA, SA	-	AK
Atlas Copco	-	DD, DDP	PD	-	QD
BEA	RM	RB / RF	RA	-	CA
BEKO	X25, X5	X1	XA	-	CA
BOGE (1/5 - 1/400)	V	-	FP	-	A
BOGE (6 - 380)	-	FP	FM	-	FA
Ceccato	FPRO	FMO	FMM	-	FCA
Compair (7 - 300)	-	GPP	OFP	-	OVR
Compair (CE0005 - CE 0051D)	A	E, B	C	-	D
Compair (CE0006N - CE0600N)	-	B, E, F	C	-	D
Deltech	-	PFD	HFD	-	CFD
Domnick Hunter Oil-X	PF	AO, AR	AA, AAR	AX	ACS, AC
Domnick Hunter Evolution	-	AO, AR	AA, AAR	-	ACS
Donaldson	PE	FF	MF, SMF	-	AK
Friulair	P	S	X	-	Z
FST	V	ZN	XN	XXN	A
Hankison	E9	E6, E7	E5	E3	E1
Hiross	Q	P	S	-	C
Ingersoll Rand (E4 - E300	-	AO, AR	AA	-	AC
Ingersoll Rand (E005 - 0372)	-	AO, AR	AA	-	AC
Ingersoll Rand (IR-*-25 - IR-*-1775)	-	D,P	H	-	C
Kaeser	B	C,D	E	F	G
KSI	FF5, VF25	MFO	SMA	-	CA
MARK	FPRO	FMO, FPRE	FMM	-	FCA
Mikropor	P	X	Y	-	A
MTA	P	M	S	-	A
Omega	AFF	R,M	S	-	A
OMI	QF	PF	HF	-	CF
Walker	X5	X1	XA	-	AC
Wilkerson	FRP	MSP	MTP	-	MXP
Worthington	X5	D	M,S	-	A
Zander (1030 - 5075)	V	Y, Z, ZP	X, XP	XP4	A
Zander (CP1008 - CP5080)	VL	ZL	XL	-	A

ACTIVATED CARBON TOWER

Ultra-Sorp AKC



Technical Data

- 4 to 16 bar
- Max. 50°C
- 50 - 9500 m³/h

Features & Benefits

Operating lifetime: 8000 hours

Residual oil content: < 0,003 ppm

The activated carbon adsorber is designed to ensure oil- and odour free compressed air.

Compressed air is lead through an activated carbon bed and ensures a residual oil content of < 0,003 ppm.

The residual oil content depends on the inlet conditions. A residual oil content of < 0,003 ppm is related to an operating pressure of 7 bar (g), 35°C inlet temperature, and pre-dried compressed air with a dewpoint of -40°C, as well as a prefiltration of particles < 0,03 mg/m3.

Model	Flow m³/h	Connection in/out	Dimensions (mm)		
			Height	Width	Depth
AKC 0050	50	¾“	320	350	1200
AKC 0080	80	¾”	320	350	1550
AKC 0100	100	1”	320	350	1500
AKC 0150	150	1”	440	450	1850
AKC 0175	175	1”	440	450	1760
AKC 0225	225	1½”	440	450	1760
AKC 0300	300	1½”	440	450	1750
AKC 0375	375	1½”	550	600	2050
AKC 0550	550	2”	550	600	2000
AKC 0650	650	2”	550	600	2010
AKC 0850	850	2”	750	600	2020
AKC 1000	1000	2”	750	600	2060

Correction factor (flow x K1 x K2 = recommended flow rate):

Operating pressure	bar	4	5	6	7	8	9	10	11	12	13	14	15	16
Correction factor	K1	0,63	0,75	0,88	1,00	1,10	1,20	1,35	1,44	1,50	1,60	1,75	1,86	2,00

Inlet temperature	°C	35	40	45	50
Correction factor	K2	0,80	1,00	1,25	1,50

MEASURING INSTRUMENTS

Ultrafilter has a wide range of measuring equipment for compressed air. The range includes dew point sensors, flow sensors, leakage detectors as well as oil vapour sensors and laser particle counters.

DEW POINT SENSORS

UF220
-100°C to 0°C

UF201
-60°C to +20°C

UF212
-50°C to +20°C

UF215
-20°C to +50°C

FLOW SENSORS

UF400
Insertion Type

UF420
Inline Type

AIR QUALITY

Oil Vapour
Sensor

Laser Particle
Counter

We chose measuring equipment specifically on customer request to ensure that they live up to the demands of each customer.

OIL / WATER SEPARATOR

Ultra-Sep

Technical Data

ABS or PE

LGA 5361301-01

Features & Benefits

Up to 12 m³/min compressor capacity

3-stage filtersystem

Compact design

The production of compressed air always generates condensate water too. The amount of condensate depends of the size and the number of operating hours of the compressor and can easily range from 10 to 10.000-liter condensate per month. Such condensate water from oil-lubricated compressors may contain up to 2.000 mg oil per liter.

Environmental protection legislation already requires, or will soon require condensate water to be cleaned from oil before it is discharged into the public sewage system. In countries with such legislation for Water Resources Conservation, the limit-value is set at 20 mg oil per liter of condensate water.

If the condensate is not discharged oil-free, it must be collected and treated by an approved waste oil treatment company.

The Ultra-Sep removes the oil from condensate water on efficiently and reliably - by calming the water and utilizing a series of coalescence- and activated carbon filters.

The condensate water is now so clean, that it can be discharged into the public sewage system. The oil is being collected in an oil-container and can be handled and disposed separately and safely.

Model	Compressor capacity		Connection	
	m³/min	kW	In	Out
Ultra-Sep 1	1,8	13,0	½” x3	1”
Ultra-Sep 2	2,5	15,0	½” x3	1”
Ultra-Sep 3	3,5	22,0	½” x3	1”
Ultra-Sep 6	6,0	37,0	½” x4	1”
Ultra-Sep 8	10,0	65,0	½” x4	1”
Ultra-Sep 10	12,0	75,0	½” x4	1”

ACTIVATED CARBON BAGS

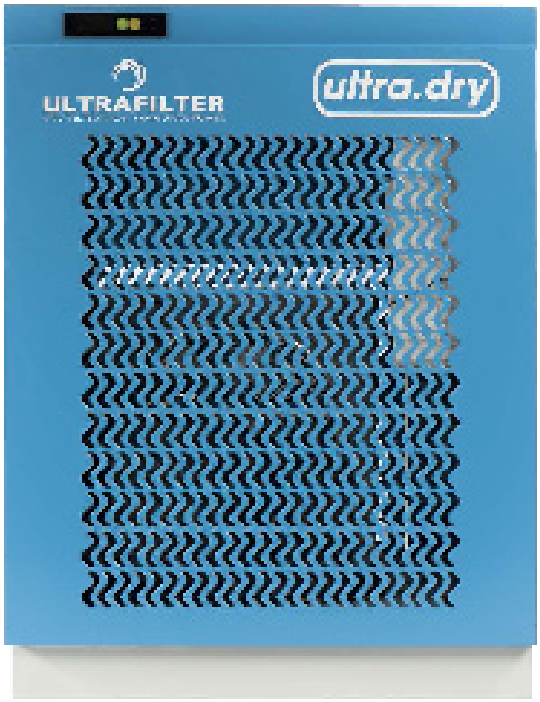
Ultrafilter offers a complete range of oil/water separator maintenance kits for competitor oil/water separators.

Producer	Suitable for			
BEKO (BOGE)	Atlas Copco	Kaeser	Ecoair	Schneider
Öwamat 1/2	OSW 5/11	Aquamat 1/2	-	Owatec 10/40
Öwamat 3	-	Aquamat 3	TS 3	-
Öwamat 4	OSW 30	Aquamat 4	TS 4	Owatec 130
Öwamat 5	-	Aquamat 5	TS 15	-
Öwamat 5R	OSW 55	Aquamat 5R	-	Owatec 175
Öwamat 6	OSW 110	Aquamat 6	TS 16	Owatec 250
Öwamat 8	OSW 315	Aquamat 8	-	-
Öwamat 10	-	-	-	-
Öwamat 11	-	-	-	-
Öwamat 20	-	Aquamat 20	TS 60	-

Producer		Suitable for			
Wortmann	Zander	Wortmann/ Kaeser	Hankison		Zander
Drukomat 1/MINI	Ekolog 1/Mini		HS1	HS 60, 70, 120	Ecosep S1/MINI
Drokumat 2	Ekolog 2	WOI-II	HS2	HS 140-480	Ecosep S2
Drukomat 4	Ekolog 4	WOI-II	HS3	HS 140-900	Ecosep S4
Drukomat 8	Ekolog 8	WOI-II	HS4	HS 140-900	Ecosep S8
Drukomat 15	Ekolog 15	WOI-II*	HS5*	HS 140-900*	Ecosep S15
Drukomat 30	Ekolog 30	WOIII	HS6	HS 1800	Ecosep S30
Drukomat 61	Ekolog 61	WOIV	HS7	HS 3600	Ecosep S61

REFRIGERATION DRYER 50Hz

Ultra-Pulse UD



Technical Data

- Standard: 16 bar
- Max. Ambient: 50°C
  Max. Inlet: 70°C
- 25 - 1650 m³/h
- Dewpoint: 3-9°C
- 230/1/50 or 400/3/50

Refrigerant fluids: R134a or R404A

With the introduction of ultra.dry, the new generation of energy-saving refrigeration dryers has arrived.

The new ultra.pulse technology offers important advantages in terms of energy saving, reliability and operating costs as the ultra.dry dryer is able to adapt itself to the real needs of the compressed air system.

The regulation system of the dryer controls the dryer operation granting the most energetically effective method of compressed air drying, achieving high energy saving and ensuring at the same time an excellent dew point stability also in dynamic condition.

High maximum inlet temperature up to +70°C (ultra.dry UD 0025 - 0600) +60°C (ultra.dry UD 0850 - 1650) and maximum ambient temperature (+50°C) ensure a fail-safe operation at all times. The standard ultra.dry refrigeration dryer has a high operational pressure limit of 16 bar.

Model	Flow m³/h	Connection in/out	Power V/ph/Hz
UD 0025	25	⅜”	230/1/50
UD 0035	35	⅜”	230/1/50
UD 0054	54	⅜”	230/1/50
UD 0075	75	½”	230/1/50
UD 0110	110	½”	230/1/50
UD 0150	150	1”	230/1/50
UD 0190	190	1”	230/1/50
UD 0230	230	1”	230/1/50
UD 0300	300	1”	230/1/50
UD 0350	350	1 ½”	230/1/50
UD 0450	450	1 ½”	230/1/50
UD 0500	500	1 ½”	230/1/50
UD 0600	600	1 ½”	230/1/50
UD 0850	850	2”	230/1/50
UD 1050	1050	2”	230/1/50
UD 1175	1175	2 ½”	230/1/50
UD 1350	1350	2 ½”	400/3/50
UD 1650	1650	2 ½”	400/3/50

Based on specific operation conditions. For accurate dimensioning see our guide page 90.

REFRIGERATION DRYER 60Hz

Ultra-Dry UD

Technical Data

- Standard: 16 bar
- Max. Ambient: 50°C
  Max. Inlet: 70°C
- 25 - 552 m³/h
- Dewpoint: 3-9°C
- 115/1/60 or 230/1/60

Refrigerant fluids: R134a or R410A

Some industries and countries use higher frequency power as their standard – 60 Hz instead of the European standard, 50 Hz. Some equipment can function on either frequency, and a range of voltage, however for most critical industrial machinery, a set frequency and voltage on the equipment are required to guarantee the stability of the production with the equipment.

Such industries count many marine and off-shore installations, and projects in or from North America, and we have a complete range of refrigeration dryers for 60 Hz installations.

These refrigeration dryers come with the usual benefits of our normal range of refrigeration dryers.

Model	Flow m³/h	Connection in/out	Power V/ph/Hz
UD-60Hz 0015	25	½"	115/1/60
UD-60Hz 0025	42	½"	115/1/60
UD-60Hz 0050	85	½"	115/1/60
UD-60Hz 0075	127	1"	115/1/60
UD-60Hz 0100	170	1"	115/1/60 or 230/1/60
UD-60Hz 0125	212	1"	115/1/60
UD-60Hz 0160	270	1"	115/1/60
UD-60Hz 0250	425	1"	230/1/60
UD-60Hz 0325	552	1"	230/1/60

Based on specific operation conditions. For accurate dimensioning see our guide page 90.

HIGH PRESSURE REFRIGERATION DRYER

Ultra-Dry HP

Technical Data

- Standard: 50 bar
- Max. Ambient: 45°C
  Max. Inlet: 70°C
- 45 - 7300 m³/h
- Dewpoint: 3-9°C
- 230/1/50 or 400/3/50

Refrigerant fluids: R134a or R407C

UD-HP has been specifically designed for the needs of the high pressure dryer User, offering working pressures of up to 50 barg. The extremely reliable design concept ensures that UD-HP operates perfectly at all times and in all conditions. UD-HP automatically adopts its operation to the air flow and ambient conditions, offering energy savings of up to 80% compared with traditional dryers. UD-HP forms part of a complete range of Ultrafilter products for higher pressures, ensuring all User needs are perfectly satisfied.

Model	Flow m³/h	Connection in/out	Nominal absorbed power (kW)
UD0045HP	45	½”	0,17
UD0090HP	90	½”	0,25
UD0240HP	240	½”	0,46
UD0370HP	370	1”	0,71
UD0480HP	480	1”	0,76
UD0600HP	600	1”	0,97
UD1100HP	1100	1½”	1,78
UD1450HP	1422	2”	2,20
UD1530HP	1530	1½”	3,09
UD1960HP	1960	1½”	4,29
UD2700HP	2700	2”	4,44
UD3700HP	3700	2”	5,39
UD4500HP	4500	2”	8,72
UD6100HP	6100	3”	10,42
UD7300HP	7300	3”	13,16

Based on specific operation conditions. For accurate dimensioning see our guide page 90.

MEMBRANE DRYER

Ultra-Dry UFM

Technical Data

- Max. 12,5 barg
- Max. 60°C
- 1 - 180 m³/h
- Reduces dewpoint: 15-40°C

UFM membrane dryer are well suited for point of use applications and for small volume flows.

Designed with ease-of-installation and operation in mind, the inlet and outlet are provided as easy-to-install BSP thread connections.

The compressed air flows through a bundle of hollow fibers. As the humid compressed air flows down the bore of the fiber, water vapor diffuses through the walls of the fibers.

At the outlet of the unit, a small volume of the dry compressed air is expanded and released into the space surrounding the outside of the fibers. The dry air sweeps the moisture away from the outside of the fibers and exhausts to the atmosphere as a humid air stream.

Each membrane dryer is equipped with a calibrated purge air blend. No further adjustments are necessary.

The UFM membrane dryer doesn't release any fibers and is suitable for medical air applications.

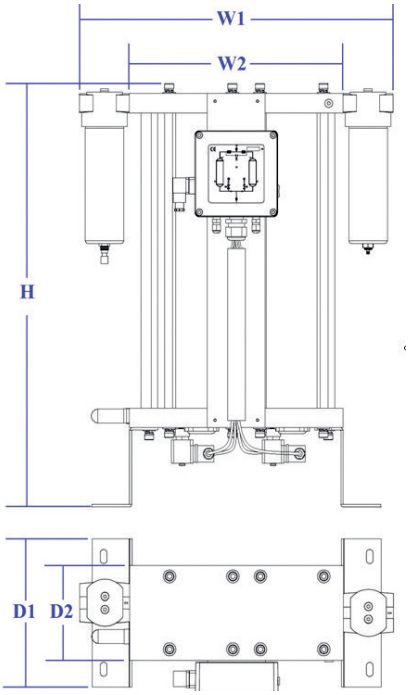
Our membrane dryers are extremely efficient due to their new, improved hollow fiber technology. Even with low pressure dewpoints, only a relatively small purge air requirement is necessary.

Model	Purge air (m³/h)	Connection in/out	Flow @ 15°C DP (m³/h)		Flow @ 3°C DP (m³/h)		Flow @ -20°C DP (m³/h)		Flow @ -40°C DP (m³/h)	
			In	Out	In	Out	In	Out	In	Out
UFM 0003	0,3	¼"	3,0	2,7	2,2	1,9	1,4	1,1	1,0	0,7
UFM 0006	0,6	¼"	6,0	5,4	4,3	3,7	2,8	2,2	2,0	1,4
UFM 0009	0,96	¼"	9,0	8,04	6,4	5,44	4,3	3,34	3,1	2,14
UFM 0012	1,14	¼"	12,0	10,86	8,5	7,36	5,7	4,56	4,1	2,96
UFM 0018	1,74	½"	18,0	16,26	12,8	11,06	8,5	6,76	6,2	4,46
UFM 0024	2,28	½"	24,0	21,72	17,1	14,82	11,3	9,02	8,2	5,92
UFM 0036	3,42	½"	36,0	32,58	25,6	22,18	17,1	13,68	12,4	8,98
UFM 0048	4,56	½"	48,0	43,44	34,1	29,54	22,7	18,14	16,4	11,84
UFM 0064	6,18	½"	64,0	57,82	44,8	38,62	29,8	23,62	21,6	15,42
UFM 0090	9	½"	90,0	81	67,2	58,2	43,8	34,8	31,5	22,5
UFM 0125	12,5	½"	125,0	112,5	91,8	79,3	58,8	46,3	42,6	30,1
UFM 0180	18	1"	180,0	162	128,1	110,1	85,5	67,5	61,5	43,5

Based on specific operation conditions. For accurate dimensioning see our guide page 91.

COMPACT ADSORPTION DRYER

Ultra-Dry Compact UDD



Technical Data

- 4-10 bar
- Max. 50°C
- 7 - 162 m³/h
- Dewpoint: -40°C

Features & Benefits

Including pre- and afterfilter (MF)

Easy maintenance

Compact design

The UDD series of compact desiccant air dryers offers users the air quality at the point where it is needed. Utilizing a reliable technology, the UDD dryers provide the security to run the process without interruption and to have safe and reliable operations of downstream machines and air tools.

This series comes with installed pre- and afterfilter, desiccant fill and a reliable PCB controller with indication lights to monitor the operation. The PCB controller is ready build in and only has to be connected to an electrical power source and compressed air inlet/outlet. Optionally available is a dryer run/stop dry contact as well as a load control system for energy savings.

This series of compact desiccant air dryers will meet the requirements of ISO 8573.1 Class 1.2.1 as a standard. Higher quality classes based on request are available.

Model	Flow m³/h	Connection in/out	Dimensions (mm)					Filter Element Size	Weight
			H	W1	W2	D1	D2		
UDD 002	8,2	¼”	420	435	245	226	106	02/05	14
UDD 004	15,5	¼”	670	435	245	226	106	02/05	18
UDD 007	25,4	⅜”	920	435	245	226	106	03/10	24
UDD 010	35,1	⅜”	1120	435	245	226	106	03/10	28
UDD 015	56,3	⅜”	992	565	375	273	160	03/10	51
UDD 020	72,0	½”	1242	565	375	273	160	04/10	51
UDD 030	108	1”	1036	745	495	338	220	05/25	93
UDD 045	162	1”	1386	745	495	338	220	05/25	114

*Technical data may be subject to change

Correction factor (flow x K1 = recommended flow rate):

Correction Factor K1		Operating Pressure (bar g)												
		4	5	6	7	8	9	10	11	12	13	14	15	16
Inlet temp. (C)	35	0,63	0,75	0,88	1	1,13	1,25	1,38	1,5	1,55	1,6	1,65	1,7	1,76
	40	0,55	0,66	0,77	0,88	0,99	1,1	1,21	1,32	1,43	1,54	1,65	1,7	1,76
	45*	0,42	0,5	0,59	0,67	0,76	0,84	0,92	1,01	1,09	1,17	1,26	1,34	1,42
	50**	0,35	0,41	0,48	0,55	0,62	0,69	0,76	0,83	0,9	0,96	1,03	1,1	1,17

COMPACT ADSORPTION DRYER

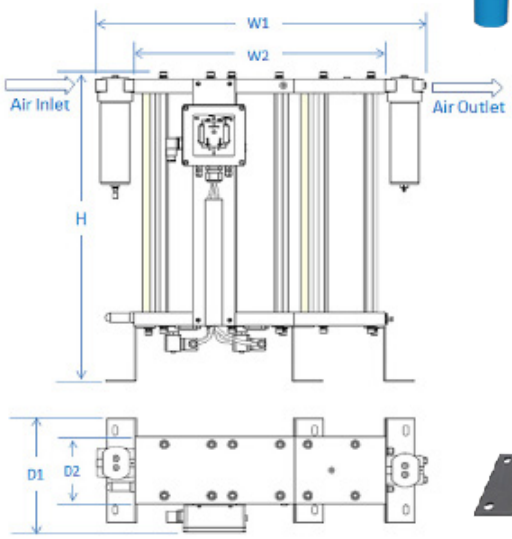
Ultra-Dry Compact UDDA

Technical Data

- 4 - 10 bar
- Max. 50°C
- 7 - 162 m³/h
- Dewpoint: -40°C

Features & Benefits

Activated Carbon Tower
Including pre- and afterfilter (MF)
Easy maintenance
Compact design
Suitable for breathing air



The UDDA adsorption dryer is the exact same dryer as our UDD with the addition of an activated carbon tower. This compact unit, consisting of filters, adsorption dryer and activated carbon tower has the capacity to reduce particles, oil and water and ensure high quality compressed air.

Model	Flow m³/h	Connection in/out	Dimensions (mm)					Filter Element Size	Weight
			H	W1	W2	D1	D2		
UDDA 002	8,2	¼”	422	578	388	226	106	02/05	22
UDDA 004	15,5	¼”	672	578	388	226	106	02/05	30
UDDA 007	25,4	⅜”	922	578	388	226	106	03/10	38
UDDA 010	35,1	⅜”	1122	578	388	226	106	03/10	44
UDDA 015	56,3	⅜”	995	780	590	273	160	03/10	77
UDDA 020	72,0	½”	1245	780	590	273	160	04/10	92
UDDA 030	108	1”	1037	1030	780	338	220	05/25	145
UDDA 045	162	1”	1387	1030	780	338	220	05/25	178

*Technical data may be subject to change

Correction factor (flow x K1 = recommended flow rate):

Correction Factor K1		Operating Pressure (bar g)												
		4	5	6	7	8	9	10	11	12	13	14	15	16
Inlet temp. (C)	35	0,63	0,75	0,88	1	1,13	1,25	1,38	1,5	1,55	1,6	1,65	1,7	1,76
	40	0,55	0,66	0,77	0,88	0,99	1,1	1,21	1,32	1,43	1,54	1,65	1,7	1,76
	45*	0,42	0,5	0,59	0,67	0,76	0,84	0,92	1,01	1,09	1,17	1,26	1,34	1,42
	50**	0,35	0,41	0,48	0,55	0,62	0,69	0,76	0,83	0,9	0,96	1,03	1,1	1,17

HEATLESS ADSORPTION DRYER

HeatLess HL

As a complete system the HeatLess HL adsorption dryer has a prefilter (with automatic condensate drain), silencers and an integrated dust filter onboard providing maximum efficiency and operational safety.

HeatLess HL adsorption dryer are produced for a wide range of applications and are delivered ready to connect and easy to install. Standard pressure 16 bar, up to 25 bar optional.

Technical Data

- Standard: 16 bar (25 bar optional)
- Max. Inlet: 50°C
- 50 - 9500 m³/h
- Dewpoint: -40°C up to -70°C
- 230V 50Hz (115V 60Hz optional)

Features & Benefits

Pre- and after filter included

Galvanized in- and outlet

Model	Flow m³/h	Connection in/out	Dimensions (mm)		
			Width	Depth	Height
HL 0050	50	G¾	580	380	1200
HL 0080	80	G¾	580	380	1550
HL 0100	100	G1	580	380	1480
HL 0150	150	G1	800	450	1850
HL 0175	175	G1	800	450	1700
HL 0225	225	G1 ½	800	480	1760
HL 0300	300	G1 ½	800	480	1720
HL 0375	375	G1 ½	1000	600	2020
HL 0550	550	G2	1000	600	1960
HL 0650	650	G2	1000	600	2000
HL 0850	850	G2	1300	800	2200
HL 1000	1000	G2 ½	1300	800	2300
HL 1400	1400	DN80	1200	900	2200
HL 1700	1700	DN80	1300	950	2300
HL 2000	2000	DN80	1400	1000	2300
HL 2500	2500	DN100	1600	1100	2400
HL 3000	3000	DN100	1700	1200	2400
HL 3500	3500	DN100	1800	1250	2450
HL 4000	4000	DN150	1900	1400	2700
HL 5000	5000	DN150	2100	1400	2800
HL 6000	6000	DN150	2300	1500	2900
HL 7000	7000	DN150	2500	1600	2900
HL 8200	8200	DN150	2700	1700	2900
HL 9500	9500	DN200	2900	1900	3100

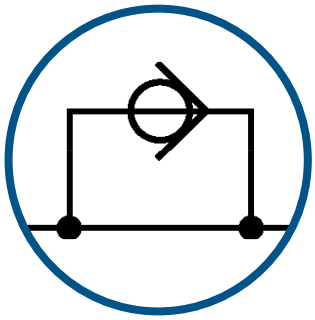
Based on specific operation conditions. For accurate dimensioning see our guide page 91.

HEATLESS ADSORPTION DRYER

HeatLess HL

DRYER OPTIONS

Dewpoint Measurer

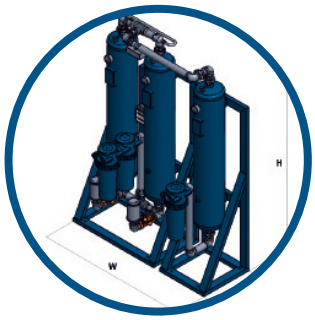


Bypass

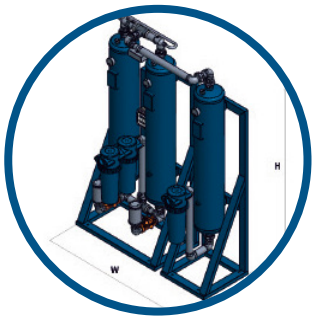
ATEX

Anti Freezing Trace Heating

Cabinet Version



Oil Free Version



Breathing Air Version

Siemens PLC

HEAT REGENERATED DRYER

VarioBlo

Technical Data

- 4-10 bar (25bar option)
- Max. 43°C
- 400 - 9500 m³/h
- Dewpoint: -20°C up to -70°C
- 380 V - 440 V / 50 Hz - 60 Hz
- PED

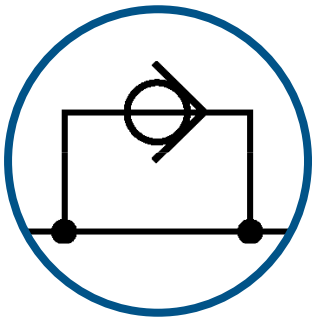
Features & Benefits

Siemens PLC S7

Zero purge

DRYER OPTIONS

Dewpoint Measurer



Bypass

ATEX

Anti Freezing Trace Heating

HEAT REGENERATED DRYER

VarioBlo

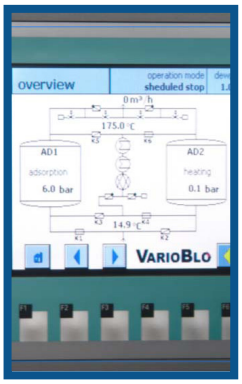
The VarioBlo adsorption dryer is a heat regenerated dryer and manage regeneration without any compressed air consumption. The VarioBlo dryer uses a frequency controlled blower to regenerate the dryer by heat.

The dryer is equipped with a Siemens PLC and is highly customizable.

Standard working pressure is 8 bar and up to 25 bar as an option.

3 standard versions:

- HRE
- VarioBlo
- Compheat



Model	Flow m³/h	Connection in/out	Dimensions (mm)			Installed Power kW
			Width	Depth	Height	
VarioBlo 0400	400	DN50	1750	1030	2260	8
VarioBlo 0700	700	DN50	1800	1150	2310	11
VarioBlo 1000	1000	DN80	1920	1280	2390	14
VarioBlo 1400	1400	DN80	1920	1320	2420	20
VarioBlo 1700	1700	DN80	2120	1450	2480	23
VarioBlo 2000	2000	DN80	2160	1470	2550	30
VarioBlo 2500	2500	DN100	2260	1600	2630	36
VarioBlo 3000	3000	DN100	2320	1740	2630	42
VarioBlo 3500	3500	DN100	2750	1810	2790	55
VarioBlo 4000	4000	DN150	2800	1890	2890	55
VarioBlo 5000	5000	DN150	2910	2010	2870	70
VarioBlo 6000	6000	DN150	3400	2380	2910	87
VarioBlo 7000	7000	DN150	3500	2400	2990	96
VarioBlo 8200	8200	DN150	3600	2500	3100	118
VarioBlo 9500	9500	DN200	3700	2600	3300	131

Based on specific operation conditions. For accurate dimensioning see our guide page 91.

COMPRESSED AIR RECEIVER

Technical Data

Painted, Galvanized or SS304

11 or 16 bar (23 and 41 optional)

Available Certificates

SPVD 2009/105/EC
PED 97/23/EC
ASME Sect. VIII Div. 1 / Div. 2
ISO 9001:2008
Dir. 2014/68/EU (CE 003)
AD 2000 Merkblaetter

Our compressed air receivers are designed to store compressed air. The vessels are manufactured in Germany to the highest quality standards. On request we can also deliver vessels designed for any other technical gas.

The vessels are availed in three materials: Galvanized, painted and stainless steel. We offer receivers for pressure: 11, 16, 23 or 41 bar.

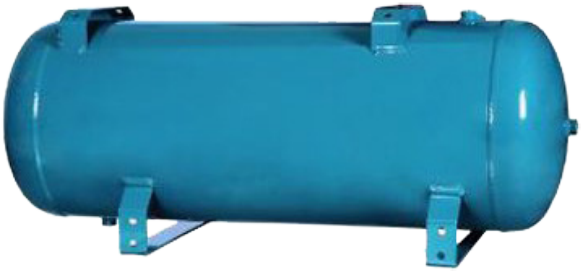
Finding the right receiver, based on airflow

Airflow Capacity	m³/h	170	340	510	680	850	1275	1700	2550	3400
Recommended receiver voume	liters	500	900	1500	1500	2000	3000	4000	6000	8000

												Compressed Air
Liters	**5**	**10**	**15**	**24**	**50**	**90**	**100**	**150**	**200**	**250**	**270**	**350**
Painted 11 bar H	•	•	•	•	•		•	•	•		•	
Painted 11 bar V					•	•	•	•	•		•	
Painted 16 bar H				•			•		•		•	
Painted 16 bar V							•	•			•	
Galvanized 11 bar H					•			•		•		•
Galvanized 11 bar V					•			•		•		•
Galvanized 16 bar H					•	•		•		•		•
Galvanized 16 bar V					•	•		•		•		•
SS304 11 bar V					•		•		•			

H = Horizontal. V = Vertical

COMPRESSED AIR RECEIVER



RECEIVER ACCESORIES

Safety Valves

Complete Receiver Kit

Manometer

Vent Filter

Vessel Volumes														
500	720	750	900	1000	1500	2000	3000	4000	5000	6000	7000	8000	9000	10000
•	•		•											
•	•		•											
•				•		•								
•				•	•	•	•	•	•	•				•
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•				•	•									

BREATHING AIR FILTER SYSTEM

Technical Data

Users: 1-4 (based on 250 l/min pr. user)

Inlet: ⅜”

Outlet: ¼”

Elements: MF 03/10 and AK 03/10

Mounting: Wall brackets or floor stand

Made to the standards of the Danish working enviroment authority regulation D.5.1 and EN 12021.

Filtered compressor air from a compressor can be used where there is a low oxygen concentration (less than 17% vol.) Or the ambient air is not suitable for breathing air.

Ultrafilters new breathing air panel with SMF & AK filter (oil and particle filter and carbon filter) is used for filtration of compressed air from the compressor and compressed air dryer, this product is available in two versions: Floor stand or wall mounting, both available for 1 to 4 users.

Ultrafilter compressed air breathing system is made to the standards of the Danish working environment authority (arbejdstilsynet) regulation D.5.1 by July 2000 or EN 12021.

It is a must to have your breathing air quality checked at least one time per year.

OPTIONS FOR BREATHING AIR

Ultrafilter offers air heaters for compressed air and gas filtration with or without integrated temperature measurement. Our product allows a precise temperature control from 20°C to 120°C and are suitable for industrial or breathing air applications.

Additionally, we offer pressure regulators and mounting solutions for floor or wall for our breathing air filters.

For applications where the compressed air isn’t dry we have the UDDA. A complete breathing air system with filters, adsorption dryer and activated carbon tower. The UDDA is available in sizes from 1-13 users.

UDDA

Manometer

Floor Mount

Wall Mount


GUIDES

FINDING THE RIGHT SIZE DRYER

The flows mentioned in the dryer tables are based on specific operating conditions.
To calculate the right size dryer you should use the correction factors below.

Refrigeration Dryers

The formular below can be used to calculate the correct capacity of both the UD 50Hz and UD 60Hz.

Flow x K1 x K2 x K3 x K4

Operating Pressure bar (g)	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Correction factor K1	0,71	0,82	0,90	0,96	1,00	1,04	1,07	1,09	1,11	1,13	1,15	1,16	1,18	1,19

Compressed Air Inlet Temperature	30	35	40	45	50	55	60	65	70
Correction factor K2	1,23	1,00	0,81	0,66	0,57	0,52	0,48	0,44	0,40

Ambient Temperature	20	25	30	35	40	45	50
Correction factor K3	1,05	1,00	0,95	0,89	0,84	0,78	0,72

Dewpoint	3	5	7	9
Correction factor K4	1,00	1,24	1,38	1,40

High Pressure Refrigeration

The formular below can be used to calculate the correct capacity of UD HP.

Flow x K1 x K2 x K3 x K4

Operating Pressure bar (g)	25	30	35	40	45	50
Correction factor K1	0,94	0,97	0,99	1,00	1,01	1,01

Compressed Air Inlet Temperature	35	45	70
Correction factor K2	1	0,77	0,46

Ambient Temperature	20	25	30	35	40	45	50
Correction factor K3	1,05	1,00	0,90	0,90	0,84	0,79	0,73

Dewpoint	3	5	7	9
Correction factor K4	1,00	1,12	1,25	1,41

Membrane Dryer

The formular below can be used to calculate the correct capacity of the UFM membrane dryer.

Flow x K1

Operating Pressure bar (g)	4	5	6	7	8	9	10	11	12
Correction factor K1	0,41	0,56	0,76	1,0	1,22	1,48	1,76	1,86	2,22

HeatLess HL

For calculating capacity on our HeatLess HL adsorption dryer, use the correction factor below.

Flow x K1

Correction factor K1		Operating Pressure (bar g)												
		4	5	6	7	8	9	10	11	12	13	14	15	16
Inlet temp. (°C)	35	0,63	0,75	0,88	1,00	1,13	1,25	1,38	1,50	1,55	1,60	1,65	1,70	1,76
	40	0,55	0,66	0,77	0,88	0,99	1,10	1,21	1,32	1,43	1,54	1,65	1,70	1,76
	45 *	0,42	0,50	0,59	0,67	0,76	0,84	0,92	1,01	1,09	1,17	1,26	1,34	1,42
	50 **	0,35	0,41	0,48	0,55	0,62	0,69	0,76	0,83	0,90	0,96	1,03	1,10	1,17

* PDP -25°C **PDP -20°C

VarioBlo

The capacity of the VarioBlo heat regnerated adsorption dryer can be calculated with the formular below.

Flow x K1 (x K2 - For PDP -70°C)

Correction factor K1		Operating Pressure (bar g)						
		4	5	6	7	8	9	10
Inlet temp. (°C)	30	0,71	0,86	1,00	1,15	1,18	1,25	1,37
	35	0,62	0,75	0,87	1	1,12	1,25	1,37
	40	0,38	0,54	0,67	0,82	0,92	1,07	1,21
	43	-	0,33*	0,45**	0,54**	0,61***	0,72	0,80

* PDP -20°C **PDP -25°C ***PDP -30°C

Correction factor K2		Operating Pressure (bar g)						
		4	5	6	7	8	9	10
Inlet temp. (°C)	30	-	0,90	0,90	0,80	0,80	0,80	0,80
	35	-	0,80	0,80	0,80	0,80	0,80	0,80
	40	-	-	-	-	-	0,70	0,70

WATER CONTENT IN AIR

The table below shows the water content in compressed air at different temperatures. This is useful for calculating the capacity of dryers.

Dew Point °C	g/Nm³	ppm
-100	0,0000111	0,0138
-90	0,0000767	0,0953
-80	0,000434	0,54
-70	0,0027	2,57
-60	0,00857	10,7
-55	0,0166	20,6
-50	0,0317	39,4
-48	0,0399	49,6
-46	0,0507	69,0
-44	0,0642	80,1
-42	0,0816	101,5
-40	0,102	126,9
-38	0,127	158
-36	0,159	197,8
-34	0,197	245
-32	0,244	303
-30	0,301	374
-28	0,371	461
-26	0,454	564
-24	0,554	689
-22	0,675	840
-20	0,816	1015
-19	0,899	1118
-18	0,989	1231
-17	1,09	1356
-16	1,19	1480
-15	1,31	1630
-14	1,43	1779
-13	1,57	1953
-12	1,72	2140
-11	1,80	2338
-10	2,06	2562
-9	2,25	2798
-8	2,45	3047
-7	2,68	3333
-6	2,92	3632
-5	3,18	3955
-4	3,46	4303
-3	3,77	4690
-2	4,10	5100
-1	4,46	5547

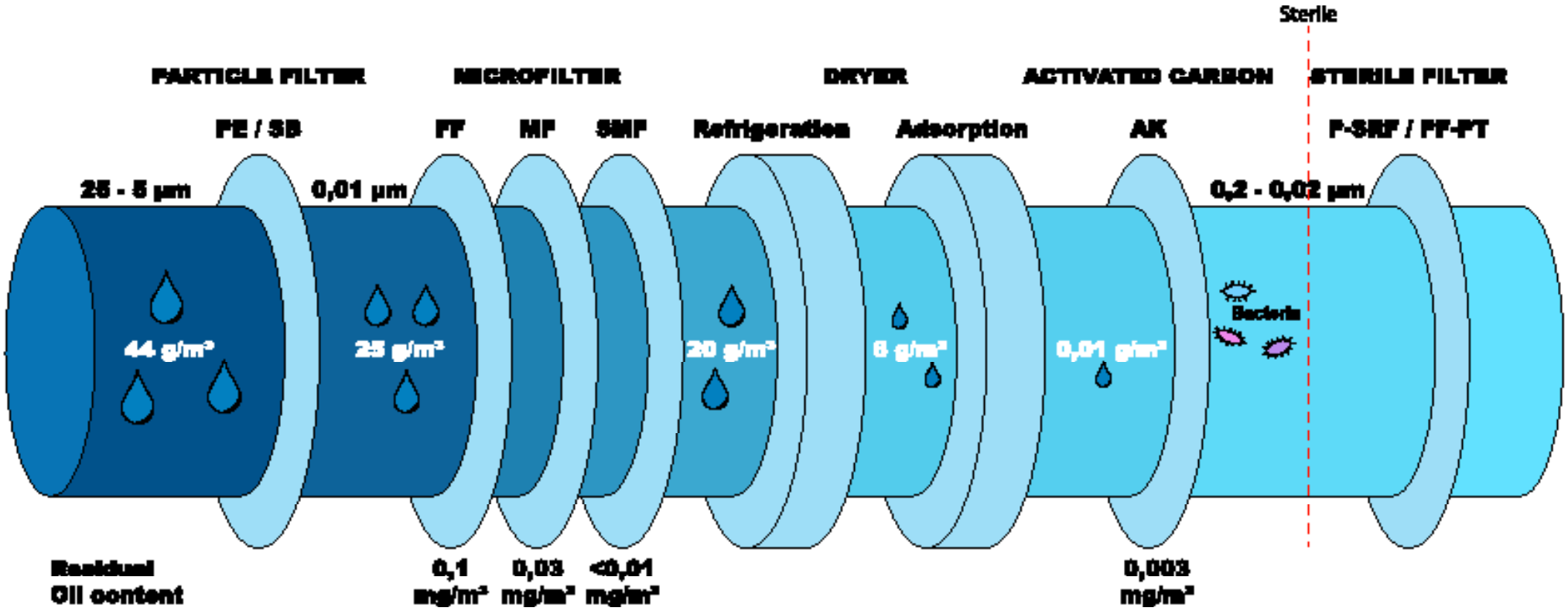
Dew Point °C	g/Nm³	ppm
0	4,84	6020
1	5,21	6480
2	5,59	6953
3	6,02	7487
4	6,45	8022
5	6,91	8595
6	7,41	9216
7	7,94	9875
8	8,51	10584
9	9,10	11318
10	9,74	12114
11	10,4	12935
12	11,1	13806
13	11,9	14800
14	12,7	15796
15	13,5	16791
16	14,4	17885
17	15,4	19030
18	16,4	20396
19	17,4	21641
20	18,5	23020
21	19,7	24502
22	21,0	26120
23	22,3	27736
24	23,7	29477
25	25,1	31219
26	26,7	33209
27	28,3	35200
28	30,0	37312
29	31,8	39551
30	33,6	41791
35	44,6	55472
40	58,5	71761
45	76,0	94527
50	97,8	120399
55	125	155472
60	158	196652
70	247	307212
80	376	467662
90	556	691542

COMPRESSOR CAPACITY

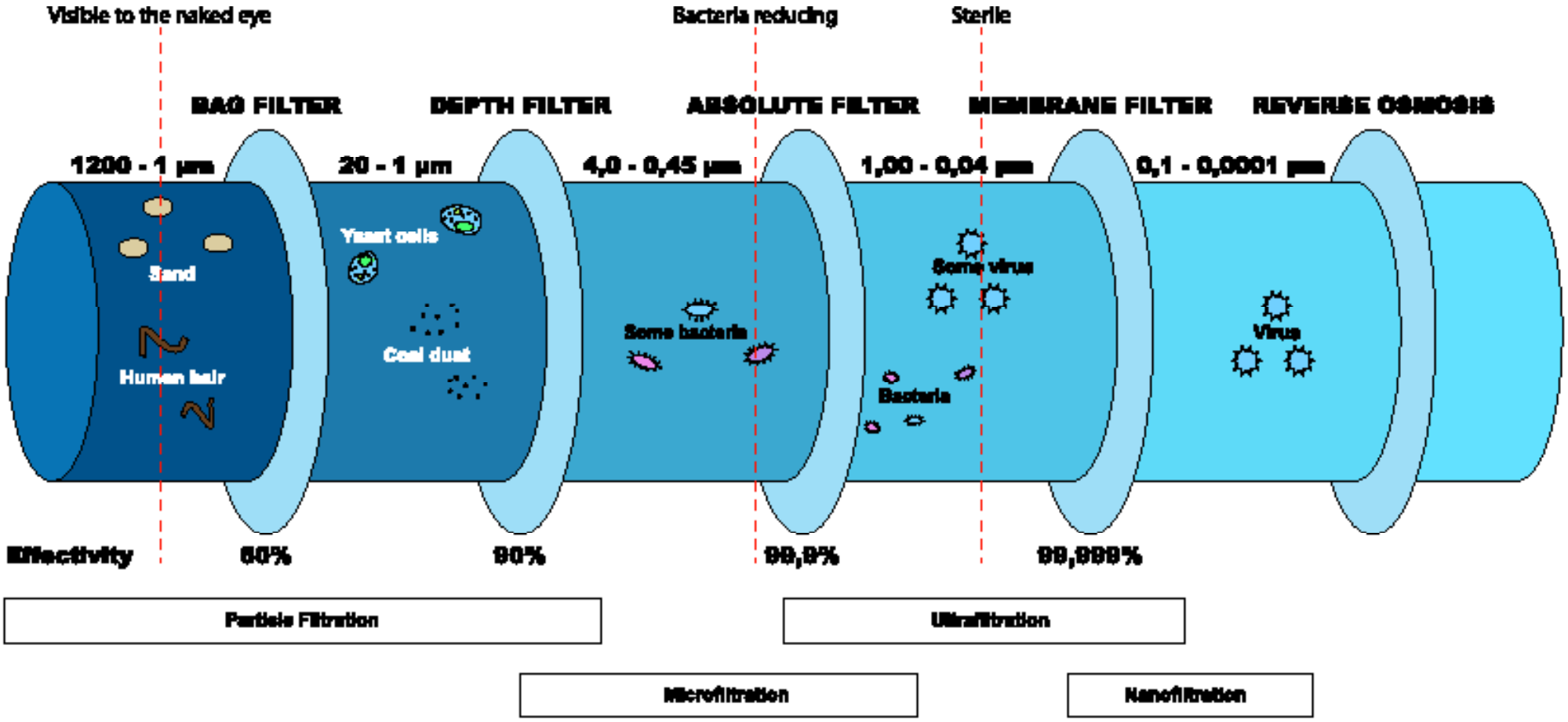
You can use this table to find the compressor capacity and size the filtration accordingly.

m³/h	m³/min	l/sek	cfm	kW	HP
5	0,08	1,39	2,9	0,5	0,7
10	0,17	2,78	5,9	1,1	1,5
15	0,25	4,17	8,8	1,5	2,0
20	0,33	5,56	11,8	2,2	3,0
25	0,42	6,94	14,7	3,0	4,0
35	0,58	9,72	20,6	4,0	5,5
50	0,83	13,89	29,4	5,5	7,5
65	1,08	18,06	38,3	7,5	10
80	1,33	22,22	47,1	9,0	
100	1,67	27,78	58,9	11,0	15
125	2,08	34,72	73,6	13,0	
150	2,50	41,67	88,3	15,0	20
175	2,92	48,61	103,0	15,0	25
225	3,75	62,50	132,4	22,0	30
300	5,00	83,33	176,6	30,0	40
375	6,25	104,17	220,7	37,0	50
450	7,50	125,00	264,9	45,0	60
550	9,17	152,78	323,7	55,0	75
650	10,83	180,56	382,6	65,0	85
750	12,50	208,33	441,4	75,0	100
850	14,17	236,11	500,3	90,0	115
1000	16,67	277,78	588,6	90,0	120
1175	19,58	326,39	691,6	110,0	150
1350	22,50	375,00	794,6	132,0	175
1500	25,00	416,67	882,9	160,0	215
1650	27,50	458,33	971,2	160,0	215
1950	32,50	541,67	1147,7	200,0	270
2250	37,50	625,00	1324,3	200,0	270
2750	45,83	763,89	1618,6	250,0	335
3500	58,33	972,22	2060,0	315,0	425
4000	66,67	1111,11	2354,3	400,0	535

COMPRESSED AIR FILTRATION



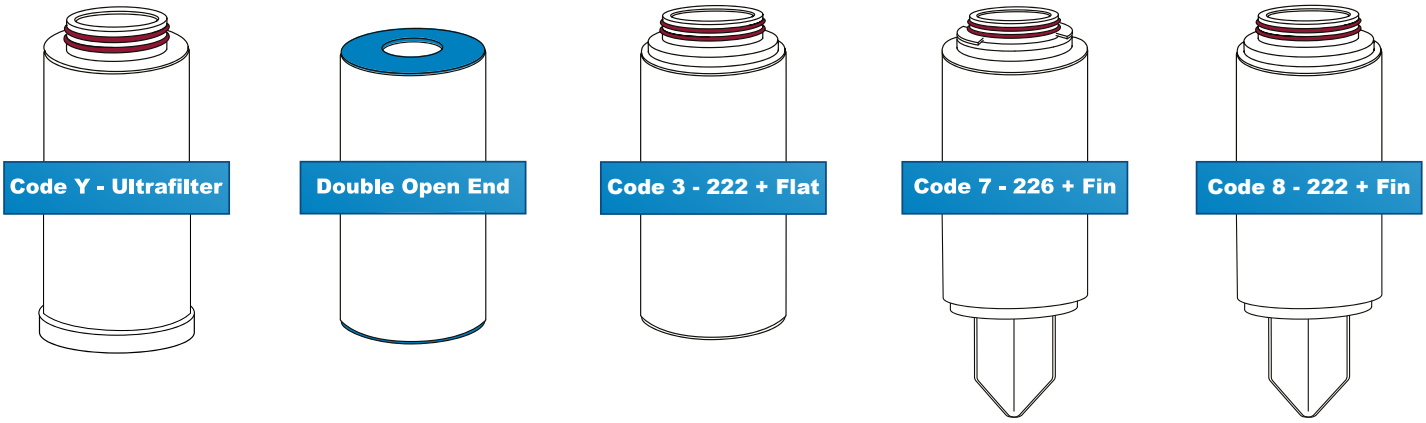
LIQUID FILTRATION



END CAP CONFIGURATIONS

Our proces filter elements are available with a wide range of different end cap configurations. This ensures compatibility with nearly any filter housing and lets us replace elements from other brands.

ULTRAFILTER STANDARD END CAPS



ADITIONAL END CAPS

Configuration name	Top End			Outlet End		
	End Fitting	Seal	Quantity	End Fitting	Seal	Quantity
Code 2	Flat	None		Open with lugs	O-ring 226	2
Code 3	Flat	None		Open	O-ring 222	2
Code 7	Fin	None		Open with lugs	O-ring 226	2
Code 8	Fin	None		Open	O-ring 222	2
Code 9	Recess	None		Flat open	O-ring 213	1
Code 18 (retro fit)	Flat	None		Open	O-ring 222	2
Code 28 (S)	Fin	None		Open with 3 lugs	O-ring 222	2
Code Y (UF)	Flat	None		Open	O-ring BS832	2
N SOE	Recess	None		Flat open	O-ring 213	1
G SOE	Flat	None		Flat open	O-ring BS118	2
G DOE 10”	Flat open	Flat gasket	1	Flat open	Flat gasket	1
DOE 9¾”	Flat open	Flat gasket	1	Flat open	Flat gasket	1

If you don’t find your desired end cap configuration, contact Ultrafilter for availability.

ULTRAFILTER
THE FILTRATION MANUFACTURER

THE SCANDINAVIAN FILTRATION PARTNER

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www.ultra-filter.com

ABOUT US

Ultrafilter Scandinavia offers a wide selection of filtration products for compressed air, liquids and gas. We have stock in Denmark and from here we distribute all of our products to Scandinavia and the Baltic countries.

Ultrafilter Scandinavia is a part of the Ultrafilter group. Our production facility is in Germany and we have several subsidiaries in Europe.

You can buy our products on local websites. Information about our products as well as brochures and manuals can be found on our website (www.ultra-filter.com).

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