

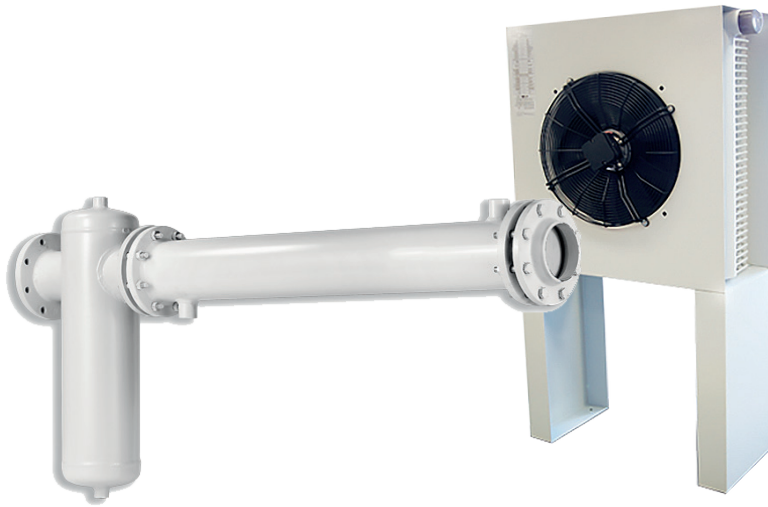


ULTRAFILTER AFTERCOOLER AIR / WATER

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AFTERCOOLER

AIR / WATER



Technical Data

AIR

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

WATER

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

The aftercoolers in the 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.

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

The Aftercoolers from the 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.

Applications

- Air Compressors • Intercoolers
- Portable aftercoolers • Shipbuilding
- Pneumatic transport • Railways
- Turbine cooling • Filter pre-cooling
- Adsorption dryer pre-cooling
- Low pressure drop dryers
- Truck cooling • Glass industry
- Plastics (PET/PEN) • Other applications

Water-Cooled Aftercoolers		
Features	Materials	Operating limits
<ul style="list-style-type: none"> • Fixed (WF) or removable (WE) tube bundle • Threaded and flanged models. • Horizontal and vertical configurations available • Performance enhancing ribbed tubing fitted as standard (straight tubing available for low pressure drop applications). 	<ul style="list-style-type: none"> • Carbon steel vessel with copper tubes • Carbon steel vessel with stainless steel AISI304 or AISI316 tubes • Completely in Stainless steel AISI304 or AISI316 • Completely in Cupro-nickel 	<ul style="list-style-type: none"> • Max. pressure: standardly 16 or 10 bar(g) depending on model, optionally up to 250 bar(g). • Max. temperature: standardly 200°C, higher on request.
		Approvals: • PED, ASME, TEMA; others on request.

Air-Cooled Aftercoolers		
Features	Materials	Operating limits
<ul style="list-style-type: none"> • Generous heat exchanger dimensioning for increased efficiency • Threaded and flanged models. • Protective grilles. • Robust casing and legs. • Low Noise lubricated fan 	<ul style="list-style-type: none"> • Cooling coil with copper tubes and aluminium fins. • Casing and legs in painted and galvanized steel. 	<ul style="list-style-type: none"> • Max. pressure: standardly 16 or 10 bar(g) depending on model, 40 bar(g) range also available. • Max. temperature: 200°C.
		Approvals: • PED; others on request.

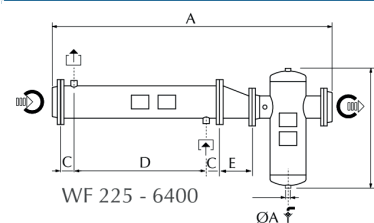
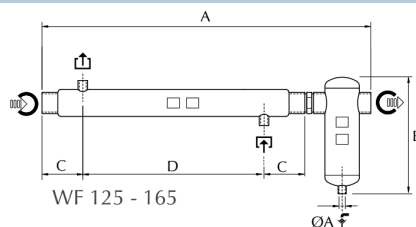
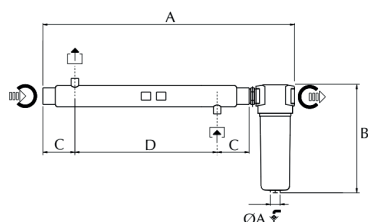
AFTERCOOLER

AIR / WATER

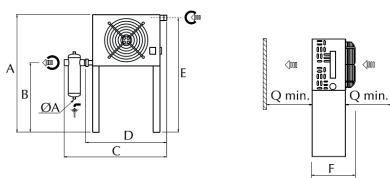


Separators

Features	Materials	Operating limits
<ul style="list-style-type: none"> Near 100% separation efficiency with low pressure drops. Threaded and flanged models. Horizontal and vertical configurations available. Various condensate drains available. Thermometer supplied from 27,0 m³/min. 	<ul style="list-style-type: none"> AS: aluminium (DURACHROM plated and passivated). MS: <ul style="list-style-type: none"> Carbon steel (standard configuration). Stainless steel AISI304 or AISI316 	<ul style="list-style-type: none"> Max. pressure: standardly 16 or 10 bar(g) according to model, optionally up to 250 bar(g). Max. temperature: standardly 65°C, higher on request.
Configurations		Approvals: <ul style="list-style-type: none"> PED, ASME; others on request.
<ul style="list-style-type: none"> Centrifugal (standard configuration). Double or single demister (in SS AISI304). Finned pack. 		



Model	Airflow		Connections				Dimensions (mm)				
	m³/h	m³/min	Air in/out no sep.	Air out with sep.	Water in/out	Cond. (ØA)	A	B	C	D	E
WATER 0090	90	1,5	1"	½"	¾"	½"	894	260	103	600	/
WATER 0162	162	2,7	1½"	1"	½"	½"	941	263	108	600	/
WATER 0252	252	4,2	1½"	1"	½"	½"	941	263	108	600	/
WATER 0445	445	7,4	2"	2"	¾"	½"	1087	385	135	600	/
WATER 0630	630	10,5	2"	2"	¾"	½"	1087	385	135	600	/
WATER 0750	750	12,5	2½"	2½"	1"	1"	1782	685	200	1100	/
WATER 0990	990	16,5	2½"	2½"	1"	1"	1782	685	200	1100	/
WATER 1350	1350	22,5	DN80	DN80	1"	1"	1999	685	205	1100	/
WATER 1620	1620	27	DN80	DN80	1"	1"	1999	685	205	1100	/
WATER 2100	2100	35	DN125	DN125	1¼"	1"	1859	835	100	1100	/
WATER 2700	2700	45	DN125	DN125	1¼"	1"	1859	835	100	1100	/
WATER 3420	3420	57	DN150	DN150	1¼"	1"	1959	1000	100	1100	/
WATER 4800	4800	80	DN200	DN150	1¼"	1"	2144	1000	4100	1100	175
WATER 6180	6180	103	DN200	DN200	1¼"	2"	2083	1240	100	1100	/
WATER 7500	7500	125	DN250	DN200	1¼"	2"	2311	1240	100	1100	200



Model	Airflow m³/h	Connections			Dimensions (mm)						
		Air in/out only AF	Air out with sep.	Cond. (ØA)	A	B	C	D	E	F	Q min.
AIR 0072	72	¾"	½"	½"	769	510	523	435	750	325	500
AIR 0216	216	1¼"	1¼"	½"	870	520	766	600	842	842	310
AIR 0510	510	2"	2"	½"	1120	529	1008	770	1083	330	1200
AIR 1200	1200	2½"	2½"	1"	1570	737	1205	900	1525	490	1700
AIR 2500	2500	3"	3"	-	-	-	-	-	-	-	-
AIR 3000	3000	DN100	DN100	-	-	-	-	-	-	-	-



THE SCANDINAVIAN FILTRATION PARTNER

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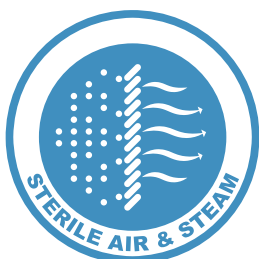
ABOUT US

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 and the United States.

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).

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.



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