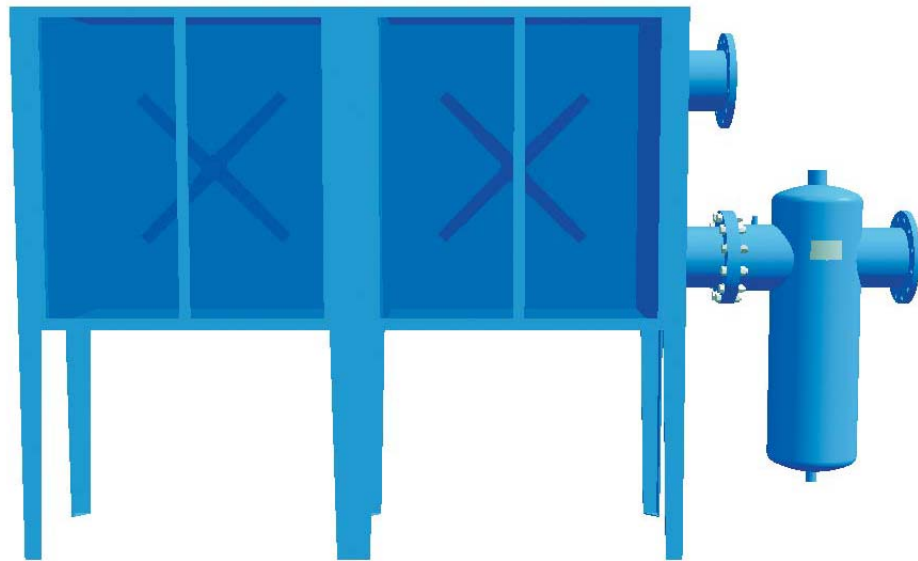


Aftercooler for compressed air and gases UFK-L

The aftercooler UFK-W is designed to cool compressed air, but can be used for other gases as well.



Product description:

The UFK-L as an additional piece of equipment after the compressor supports an efficient and economical purification of compressed air.

The warm incoming air is lead over the cooling pipes where the cooling air is adsorbing the heat. The generated condensate will be drained by a cyclone separator.

In this product series, 12 different housings are available ranging from a volume flow of 65 to 5000 m³/h.

Features:

The air cooled aftercooler consists of the cooling device in a steel plate cabinet, the fan with integrated electric motor and a cyclone separator.

Technical Data

Materials:	
Housing	carbon steel
Surface finish	Polyester resin coating

Maximum operating pressure:	
0065 - 0300	16 bar
0450-5000	12 bar

Maximum operating temperature:
120°C

Maximum ambient temperature:
45°C

Connection:
1"-2½" BSP DN 80-DN 150 (see technical drawings)

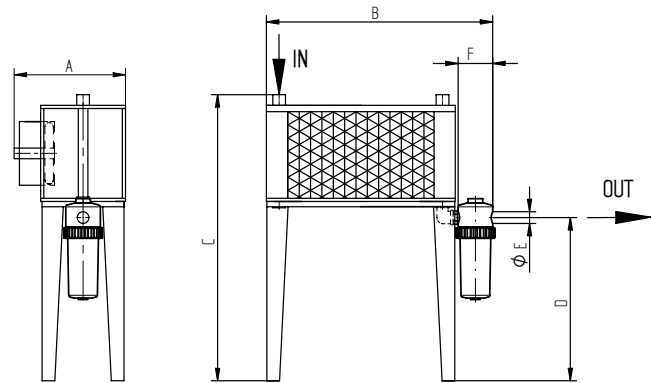
Electr. connection:	
Motor	
0065-0125	230 V/1/50 Hz
0175-5000	400 V/3/50 Hz

Annotation:
The nominal capacity refers to a difference between ambient and outlet compressed air temperature of 10°C and compressed air inlet temperature of 120°C.

Aftercooler UFK-L 0065-5000

Operating parameters:	
Max. operating pressure:	
0065-0300:	16 bar
0450-5000:	12 bar
Test pressure:	
0065-0300:	24 bar
0450-5000:	18 bar
Max. operating temperature: 120°C	
For operating conditions not according to standard see tables with correction factors	

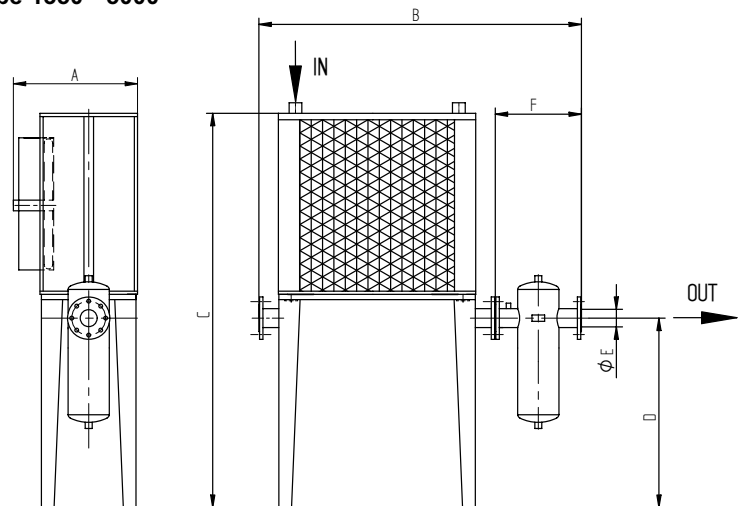
Type 0065 - 1000



Correction factors:

Ambient temperature						
°C	20	25	30	35	40	45
CF	1.04	1	0.94	0.87	0.77	0.65

Type 1350 - 5000



Air inlet temperature							
°C	60	70	80	90	100	110	120
CF	1.59	1.44	1.32	1.21	1.12	1.05	1

ΔT = Air inlet temperature - Air outlet temperature					
°C	3	6	9	12	15
KF	0.45	0.72	1	1.28	1.55

Operating pressure								
°C	5	6	7	8	9	10	11	12
CF	0.86	0.93	1	1.06	1.11	1.15	1.19	1.22

Size	Max. air flow rate		Fan cooling airflow	Power cons.	Power supply	Weight	Dimensions						Cyclone-separator
	m ³ /h	l/min.					A mm	B mm	C mm	D mm	E mm	F mm	
0065	60	1000	800	20	230/1/50	19	270	590	955	610	G 1	110	AG-Z 0375
0125	120	2000	800	20	230/1/50	20	270	610	955	610	G 1	110	AG-Z 0375
0175	180	3000	2980	175	400/3/50	29	270	850	1145	660	G 1½	150	AG-Z 0750
0300	240	4000	3790	270	400/3/50	32	330	850	1145	660	G 1½	150	AG-Z 0750
0450	390	6500	6100	310	400/3/50	51	360	930	1355	750	G 2	150	AG-Z 1000
0750	720	12000	8700	1100	400/3/50	97	610	930	1625	750	G 2	150	AG-Z 1000
1000	960	16000	8700	1100	400/3/50	120	610	960	1625	850	G 2½	180	AG-Z 1650
1350	1200	20000	11000	970	400/3/50	240	690	1600	1985	850	DN 80	360	SG-Z 1650
1950	1800	30000	11000	970	400/3/50	280	750	1900	2000	850	DN 100	420	SG-Z 1950
2500	2400	40000	17400	2x1100	400/3/50	300	750	2230	2000	850	DN 100	455	SG-Z 1950
3500	3000	50000	21000	2x350	400/3/50	310	750	3100	2000	850	DN 125	520	SG-Z 2750
5000	4500	75000	21000	2x350	400/3/50	390	800	3250	2000	850	DN 150	650	SG-Z 5000