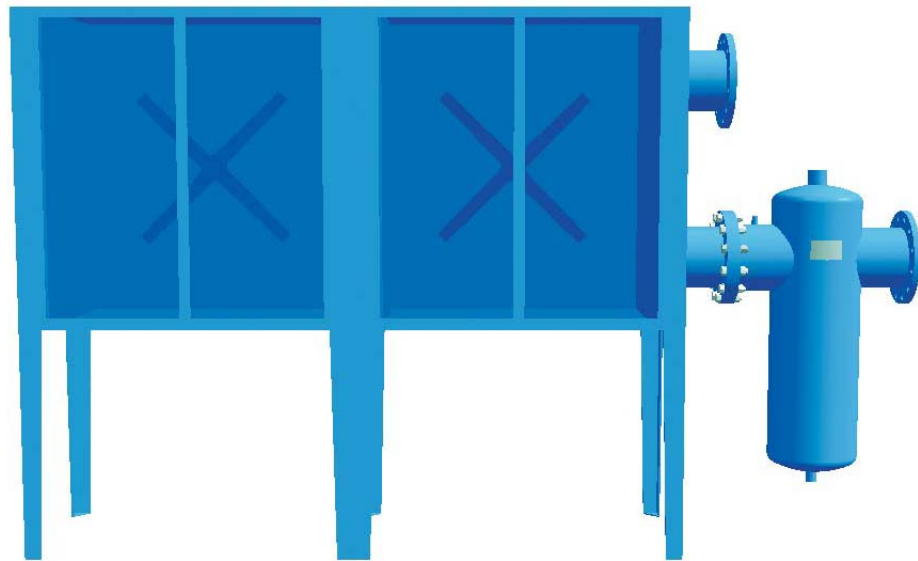


# Aftercooler for compressed air and gases UFK-L

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 m<sup>3</sup>/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)	

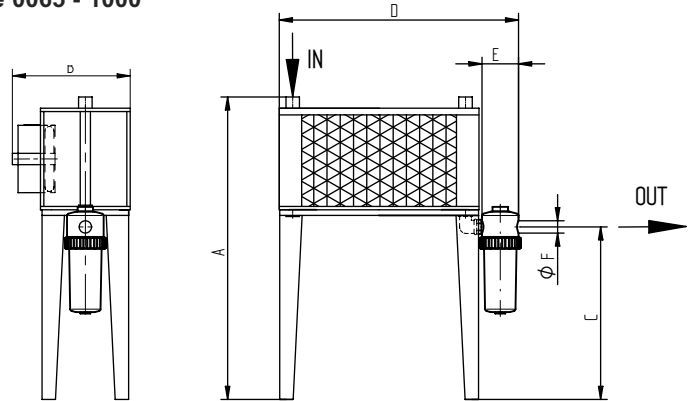
Electr. connection:	
Motor	
0065-0125	230 V/1/50 Hz
0175-5000	400 V/3/50 Hz

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:

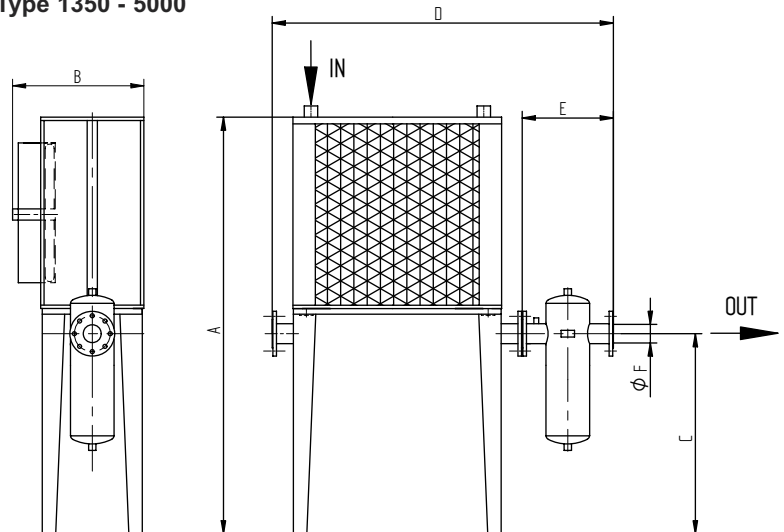
Ambient temperature						
°C	20	25	30	35	40	45
CF	1.04	1	0.94	0.87	0.77	0.65

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

$\Delta T = \text{Air inlet temperature} - \text{Air outlet temperature}$					
°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

Type 1350 - 5000



Size	Max. air flow rate		Fan cooling airflow m <sup>3</sup> /h	Power cons. Watt	Power supply V/Ph/Hz	Weight kg	Dimensions						Cyclone-separator
	m <sup>3</sup> /h	l/min.					A mm	B mm	C mm	D mm	E mm	Ø F mm	
0065	60	1.000	20	800	230/1/50	19	955	270	555	590	110	G 1	AG-Z 0375
0125	120	2.000	20	800	230/1/50	20	955	270	555	590	110	G 1	AG-Z 0375
0175	180	3.000	115	2980	400/3/50	29	1145	270	585	850	150	G 1½	AG-Z 0750
0300	240	4.000	135	3790	400/3/50	32	1145	330	675	850	150	G 1½	AG-Z 0750
0450	390	6.500	690	6500	400/3/50	51	1145	360	675	930	150	G 2	AG-Z 1000
0750	720	12.000	760	8200	400/3/50	97	1625	655	675	930	150	G 2	AG-Z 1000
1000	960	16.000	760	8200	400/3/50	120	1625	655	675	945	180	G 2½	AG-Z 1650
1350	1200	20.000	660	12000	400/3/50	240	2120	490	765	1390	180	G 3	AG-Z 2250
1950	1800	30.000	660	12000	400/3/50	280	2060	490	945	1970	420	DN 100	SG-Z 1950
2500	2400	40.000	2x760	2x8200	400/3/50	300	2060	490	945	2290	420	DN 100	SG-Z 1950
3500	3000	50.000	2x470	2x8400	400/3/50	310	2000	620	1020	3245	445	DN 125	SG-Z 2750
5000	4500	75.000	2x470	2x8400	400/3/50	390	2000	620	1020	3325	525	DN 150	SG-Z 5000