

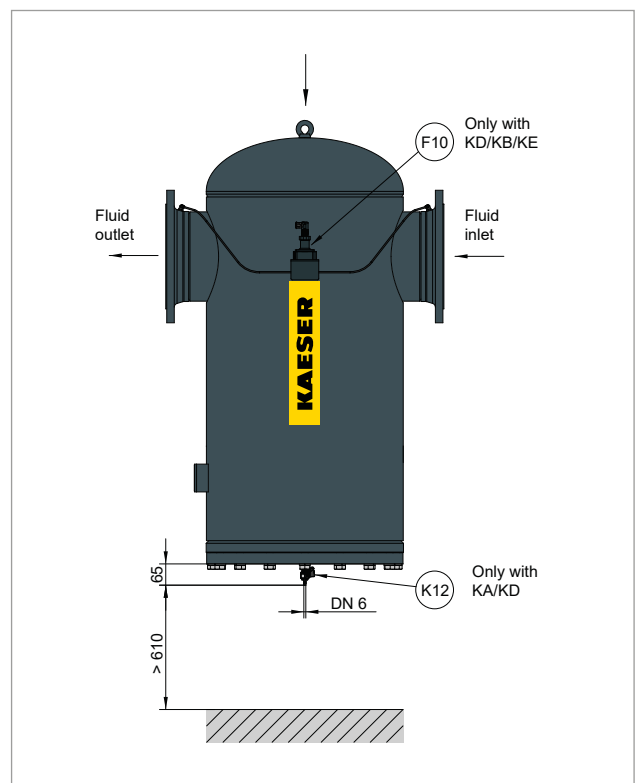
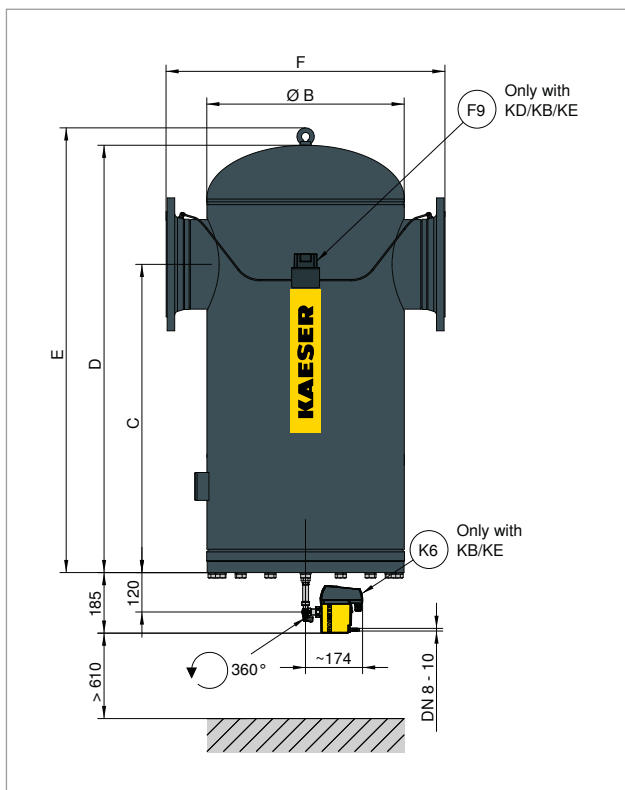
Dimensions

Model	Air connection	Volume l	B	C	D	E	F
	DN		mm	mm	mm	mm	mm
F 350	80	34	216	910	1055	1108	400
F 530	100	48	271.4	918	1099	1152	450
F 700	150	75	320	962	1180	1233	535
F 880	150	75	320	960	1180	1233	535
F 1060	150	135	401.7	960	1214	1267	600
F 1410	200	220	503.6	993	1299	1352	720
F 1940	200	220	503.6	993	1299	1352	720
F 2470	250	250	550	1024	1387	1440	750
F 3360	250	350	602.5	1066	1429	1482	850

Compressed air connection: PN16 as per DIN EN 1092-1

Views

Models shown: F3360



Technical specifications

Model	Flow rate * m³/min	Gauge pressure bar	Ambient temperature °C	Compressed air inlet temperature °C	Maximum mass kg	Electrical supply ECO-DRAIN
F 350	35.40	2 to 16	+3 to +50	+3 to +66	54	95...240 VAC ± 10 % (50...60 Hz) / 100...125 VDC ± 10 %
F 530	53.10	2 to 16	+3 to +50	+3 to +66	76	
F 700	70.80	2 to 16	+3 to +50	+3 to +66	107	
F 880	88.50	2 to 16	+3 to +50	+3 to +66	107	
F 1060	106.20	2 to 16	+3 to +50	+3 to +66	162	
F 1410	141.60	2 to 16	+3 to +50	+3 to +66	262	
F 1940	194.70	2 to 16	+3 to +50	+3 to +66	270	
F 2470	247.80	2 to 16	+3 to +50	+3 to +66	287	
F 3360	336.30	2 to 16	+3 to +50	+3 to +66	340	

* Performance data at 7 bar gauge pressure based on 1 bar ambient pressure absolute and 20 °C. The flow rate differs for deviating operating conditions.

Calculating flow rate

Correction factors for deviating operating conditions (flow rates in m³/min x k...)

Deviating working pressure p at filter inlet															
p bar _(g)	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
k _p	0.38	0.50	0.63	0.75	0.88	1.00	1.06	1.12	1.17	1.22	1.27	1.32	1.37	1.41	1.46

Example:				
Working pressure	8 bar	->	Factor	1.06

KAESER FILTER F 880 with flow rate of 88.50 m³/min
Max. possible flow rate under operating conditions
$V_{\text{max Operation}} = V_{\text{Reference}} \times k_p$
$V_{\text{max Operation}} = 88.50 \text{ m}^3/\text{min} \times 1.06 = 93.81 \text{ m}^3/\text{min}$

