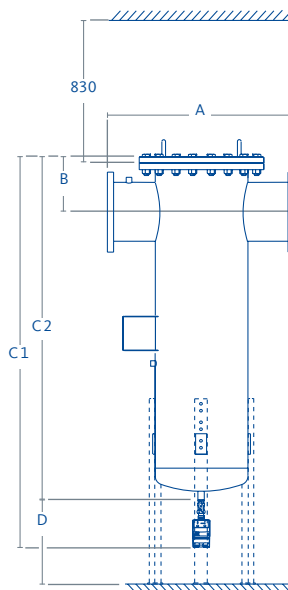


CLEARPOINT® (C, F, S): L080 – L304 Flange filters

Filters for the separation of aerosols & solid particles



- › PFAS-free **CLEARPOINT® evo** filter element
- › Very low pressure difference at optimum separation efficiency
- › Performance-optimised volume flow higher by up to 11%
- › Validated in accordance with ISO 12500-1 and -3
- › With **BEKOMAT® Vario FM** or **BEKOMAT® 14**
- › Max. operating temperature: +60 °C
- › Maximum operating pressure: 16 bar [g] L204 – L304 :
10 bar [g] (option 16 bar [g])
- › Filter for natural gas (CNG) on request
- › Adjustable floor mounting system available



CLEARPOINT® (C,F,S)	L080	L100	L102	L150	L156
Connection (PN16, DIN 1092-1)	DN 80	DN 100	DN 100	DN 150	DN 150
Volume flow rate 7 bar [g]*1[m³/h] energy-optimised	1420	2840	4260	5680	9940
Volume flow rate 7 bar [g]*1[m³/h] performance orientated	1580	3160	4740	6320	11060

Dimensions

A (mm)	490	540	540	600	600
B (mm)	173	200	208	233	238
C1 (mm)	1350	1399	1420	1470	1478
C2 (mm)	1134	1183	1204	1254	1262
D (mm)	330	330	460	460	460
Volume (l)	24	45	66	73	99
Weight (kg)	63	85	114	127	180
Category according to PEDL2014/68/ EU / Fluid group 2	II	II	II	II	II

Price group 80

Order ref.: Filter with BEKOMAT® Vario FM	L080 (Typ) WT	L100 (Typ) WT	L102 (Typ) WT	L150 (Typ) WT	L156 (Typ) WT
Price (€)					

Price group 86

Amount: Filter element	1	2	3	4	7
Order ref.: Filter element	88(Typ) *2	88(Typ) *2	88(Typ) *2	88(Typ) *2	88(Typ) *2
Price (€)					

*1 In the event of a deviating operating pressure please multiply the volume flow indicated at 7 bar [g] by the corresponding correction factor of the actual operating pressure, see next page.

*2 Recommended accessories flange gaskets for service flange, BEKO TECHNOLOGIES Price List and Technical Catalog 2026, page 79.

*3 Values may vary depending on the application conditions.

*4 In order to achieve Class [1:-1] an additional active carbon filter and dust filter are generally required as the coalescence filter cannot retain the oil vapour.

The above footnotes also apply to the following page.

Ordering example	
Construction size	L080CWT
Type	L080CWT
	Type Filter C Coarse filter (25 µm) F Fine filter (1 µm) S Super fine filter (0.01 µm)
Differential pressure gauge	L080CWT
	D Differential pressure gauge FDPS without potential-free contact Extra charge of 151 € (Price group 84) P Differential pressure gauge FSSDPIWE with potential-free contact Extra charge of 239 € (Price group 84) W Without indicator unit
drain:	L080CWT
	T L080 – L254: BEKOMAT® Vario 20 FM L304: BEKOMAT® 14 B L080 – L254: BEKOMAT® Vario 20 L304: BEKOMAT® 14 less a charge of 73 € (compared to version BEKOMAT® 20 FM)

Type	C	F	S
Solid particles class in accordance to DIN ISO 8573-1	4	2	1
Class attainable in accordance with DIN ISO 8573-1	[4:-:4]	[2:-:2]	[1:-:2] *4
Oil aerosol content at 20 °C, 1 bar [a] – Eintrittseite (mg/m³)	30	10	10
Oil aerosol content at 20 °C, 1 bar [g] – outlet side (mg/m³)	≤ 5	≤ 0.05	≤ 0.001
Initial differential pressure (dry)	0.03	0.03	0.04

Example for required filter size
Application ≠ 7 bar [g]:

Volume flow rate: 4200 m³/h
Operating pressure: 5 bar [g]
Correction factor: 0.84
→ 4200 m³/h / 0.84 = 5000 m³/h (7 bar [g])
⇒ required filter size: L150

CLEARPOINT® (C, F, S)	L200	L204	L254	L304
Connection (PN16, DIN1092-1)	DN 200	DN 200	DN 250	DN 300
Volume flow rate 7 bar [g]*1[m³/h] energy-optimised	11360	14200	19880	31240
Volume flow rate 7 bar [g]*1[m³/h] performance orientated	12640	15800	22120	34680

Dimensions

A (mm)	710	710	880	990
B (mm)	273	273	246	312
C1 (mm)	1553	1606	1731	1816
C2 (mm)	1337	1390	1515	1600
D (mm)	460	460	460	460
Volume (l)	124	167	265	407
Weight (kg)	234	277	463	549
Category according to PEDL2014/68/ EU / Fluid group 2	III	III	III	IV

Price group 80				
Order ref.: Filter with BEKOMAT®	L200 (Typ) WT	L204 (Typ) WT	L254 (Typ) WT	L304 (Typ) WT
Price (€)				

Price group 86				
Amount: Filter element	8	10	14	22
Order ref.: Filter element	88(Typ) *2	88(Typ) *2	88(Typ) *2	88(Typ) *2
Price (€)				

Correction factor

bar [g]	0.3	0.6	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Correction factor	0.21	0.29	0.38	0.53	0.65	0.76	0.84	0.92	1	1.07	1.13	1.19	1.25	1.31	1.36	1.41	1.46	1.51