

PURESTREAM

FLANGED FILTERS



BY BEKO



GET THE BEST TREATMENT

FLANGED FILTERS

Features and Benefits

Energy Efficient Elements (3E):

all 3E element design are made of sintered borosilicate fibers for ultra low differential pressure.

Flow Optimized Housing:

the unique inlet curved design was engineered to provide the lowest possible differential pressure.



Comprehensive Line:

from 1900 to 21,000 scfm and up to 7,250 psi.

Simplified Maintenance:

simple, push-fit-element design without the use of tie-rods.

Operating Principle

Connections

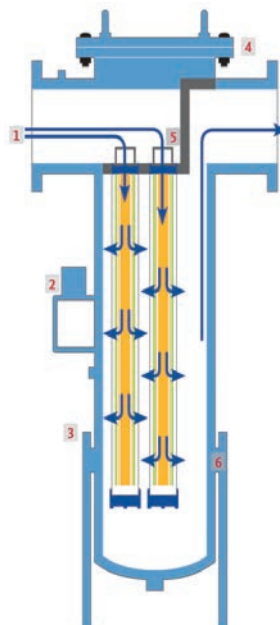
The filter housing has two one-level compressed-air connections enabling easy installation in existing pipeworks.

Differential manometer

To be able to also optically monitor the contamination degree of the filter elements when the housings are closed, all filters are equipped with a differential manometer which is readable from both sides. the scaled indication can be used for the direct energy-cost analysis.

Easy to maintain

As regards to the flanged filters, the replacement of filter elements is easily undertaken from the top. The inconvenient dismantling of condensate drains is therefore no longer required. To open the filter housing, only the upper blank flange is loosened, except for one remaining flange screw which is then used like a pivot joint. In smaller device sizes, the blank flange can be easily fully removed.



Filter element

The large surface of the filter elements reduces the air velocity to energetically favourable values. The cavity volume of the polyfibre filter material of 98% ensures lowest pressure loss. With this, the cross sectional area free for the through-flow is many times larger.

Installation option

As an alternative to usually suspended mounting, the housing can also be set up vertically. Seat plates welded on radially enable the optional mounting of feet which can be anchored on the floor.

Flange Coalescing and Particulate Filters

with BEKOMAT and connection kit with differential pressure gauge

BEKOMAT drain supplied as standard

Differential pressure indicators are fitted to all models.

CRN registered ASME Sec. VII, Div. 1 UM Stamp.

Max. operating temperature: 60°C (140°F)

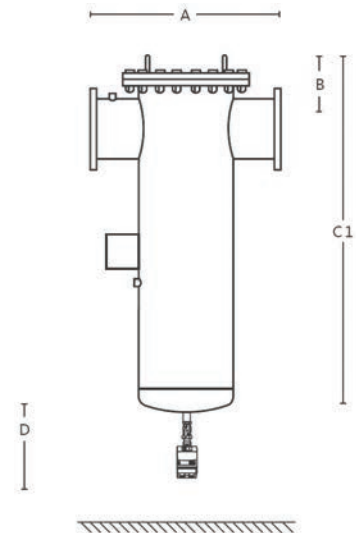
Max. operating pressure: 200 psig

Grade A filters must not operate in oil saturated conditions and will not remove certain gases incl. CO and CO²

Grade A elements must be changed to suit application but at least every 6 months.

Validated in accordance with ISO 12500

FILTER MODEL	FLANGE SIZE ASA 150	FLOW RATE SCFM	DIMENSIONS (mm)				WEIGHT	
			A	B	C	D	kg	lb
L100(grade)DB	4"	1900	540	175	1181	330	88	195
L102(grade)DB	4"	2800	540	181	1203	457	121	266
L150(grade)DB	6"	3800	597	203	1191	457	128	283
L156(grade)DB	6"	6500	603	210	1280	457	149	328
L200(grade)DB	8"	7500	711	241	1346	457	242	534
L204(grade)DB	8"	9300	770	248	1431	457	283	623
L254(grade)DB	10"	13000	880	251	1529	457	330	727
L304(grade)DB	12"	21000	990	276	1632	457	374	825



ELEMENT GRADE	ELEMENT TYPE	MICRON RATING	OIL CARRYOVER	OIL VAPOR	DRY Δ PRESSURE	WET Δ PRESSURE
Grade C	Coarse	25 μm	5 mg/m ³	-	0.44	0.73
Grade G	General	5 μm	1 mg/m ³	-	0.58	1.74
Grade F	Fine	1 μm	.1 mg/m ³	-	0.73	2.17
Grade S	Super fine	.01 μm	.01 mg/m ³	-	0.87	2.9
Grade A	Activated Carbon	.01 μm	-	.003 mg/m ³	1.45	-

CAG Purification Products



CAG Products Conform to Canadian Approvals



Desiccant Dryers



Moisture Separators



Compressed Air Filters



Alternative Elements



Vacuum Pump Filters



Breathing Air



Refrigerated Dryers



Aftercoolers



Membrane Dryers



Drains



Oil/Water Separators



FRL



Monitoring



CWM Chillers



Pipe and Fittings



CWT Chillers



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