CKL-B HT SERIES

HIGH TEMPERATURE ALUMINIUM CONDENSATE SEPARATORS

10 bar
operating pressure

60 to 2160 Nm³/h
volume flow rate

3/8" to 3"
connections

1,5 to 120 °C (at 10 barg)
1,5 to 85 °C (at 13 barg)
operating temperature range

RAL 9005
standard colour

DESCRIPTION

CKL-B HT condensate separators have been developed for high efficient removal of bulk liquids from compressed air(1) and vacuum systems. Inside the housing there is an insert with vanes that creates controlled rotation of the air.

As a result of centrifugal action liquids (water, oil) and large particles are forced to the housing wall, slowed down and accumulated at the bottom of separator housing as condensate. The turbulent free zone in the lower part of the filter housing prevents condensate from being picked up and "carried over" into the airstream.

Because of the nature of application, it is essential to install appropriately sized condensate drain on the separator.

APPLICATIONS

- Automotive
- Electronics
- Food and beverage
- Chemical
- Petrochemical
- Plastics
- Paint
- General industrial applications

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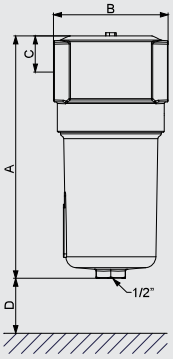
TECHNICAL DATA

Model	Pipe size	Max.oper. pressure	Flow rate at 7 bar(g), 20 °C		Temperature oper. range		Dimensions [mm]				Mass
	inch	bar/psi	Nm³/h	SCFM	°C	°F	A	B	C	D	kg
CKL 005 B HT	3/8"	10/145	60	35	1,5 - 120	35 - 248	192	88	25	60	0,6
CKL 007 B HT	1/2"	10/145	78	46	1,5 - 120	35 - 248	192	88	25	60	0,6
CKL 010 B HT	3/4"	10/145	120	70	1,5 - 120	35 - 248	264	88	25	80	0,7
CKL 018 B HT	1"	10/145	198	116	1,5 - 120	35 - 248	264	125	39	100	1,9
CKL 047 B HT	1 1/2"	10/145	510	300	1,5 - 120	35 - 248	464	125	39	140	1,9
CKL 094 B HT	2"	10/145	1.000	588	1,5 - 120	35 - 248	694	163	50	520	5,7
CKL 150 B HT	2 1/2"	10/145	1.500	882	1,5 - 120	35 - 248	694	163	50	520	7,6
CKL 200 B HT	3"	10/145	2.160	1.270	1,5 - 120	35 - 248	801	242	60	630	14,1



quality class - solids (ISO 8573-1)	-
quality class - water (ISO 8573-1)	8
quality class - oils (ISO 8573-1)	-
efficiency	>98%

CORRECTION FACTORS

Operating pressure [bar]	2	3	4	5	6	7	8	9	10
Operating pressure [psi]	29	44	58	72	87	100	115	130	145
Correction factor	0,38	0,50	0,63	0,75	0,88	1	1,13	1,25	1,38