CKL-C SERIES
CONDENSATE SEPARATORS

operating pressure	**20** bar
volume flow rate	**72** to **2760** Nm^3/h
connections	**3/8''** to **3''**
operating temp. range	**1,5** to **65**°C
standard colour	**RAL 9005**

APPLICATIONS

- general industrial applications
- automotive
- electronics
- food and beverage
- chemical
- petrochemical
- plastics
- paint



AOK20B

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CONDENSATE DRAINS

DESCRIPTION

CKL-C condensate separators have been developed for high efficient removal of bulk liquids from compressed air and vacuum systems up to 20 bar. 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.

To discharge condensate from the CKL-C cyclone separator it is essential to install automatic or electronic condensate drain.



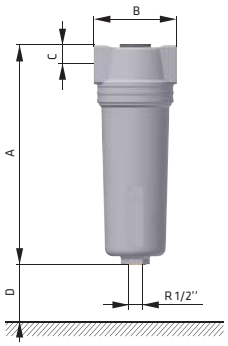




TECHNICAL DATA - CKL-C

Filter housing size	Pipe size	Max. oper. pressure	Flow rate at 7 bar(g), 20°C		Dimensions [mm]				Mass	
	inch	bar/psi	Nm³/h	scfm	A	B	C	D	kg	
CKL-C 20	3/8''	20/290	72	42	187	88	20	80	0,7	
CKL-C 21	1/2''	20/290	96	56	256	88	20	80	0,8	
CKL-C 30	1/2''	20/290	150	88	278	106	25	100	1,3	
CKL-C 31	3/4''	20/290	216	127	278	106	25	100	1,3	
CKL-C 40	1''	20/290	282	166	252	125	32	120	2,1	
CKL-C 43	1 1/2''	20/290	510	300	450	125	32	160	3,2	
CKL-C 50	2''	20/290	888	522	605	160	43	180	5,1	
CKL-C 52	2 1/2''	20/290	1440	847	685	160	43	200	6,3	
CKL-C 61	3''	20/290	2760	1624	800	240	60	300	12,9	

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	11	12	13	14	15	16	17	18	19	20
Operating pressure [psi]	29	44	58	72	87	100	115	130	145	160	174	189	203	218	232	247	261	276	290
Correction factor	0,38	0,50	0,63	0,75	0,88	1	1,13	1,25	1,38	1,50	1,63	1,75	1,88	2,00	2,13	2,25	2,38	2,50	2,63