

Flow Rates 70 – 750 SCFM

Application

- Automotive
- Electronics
- Food & Beverage
- Chemical Industry
- Plastics
- Paint

Description

CKL Series condensate separators have been engineered specifically for high efficient removal of bulk liquid from compressed air and vacuum systems. Inside the housing there is an element with vanes for controlled rotation of the air. As a result of the centrifugal action, liquids (water, oil) and large particles are forced to the housing outer walls and slowed down and accumulated at the bottom of the 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 air stream. The automatic drain discharges the condensate from the filter.

Features

- Easy to Remove Filter Bowl
- High Efficient Bulk Liquid Removal
- Centrifugal Action Element
- Includes Auto Drain
- Easy Mount Wall Bracket (Optional)



Technical Data

Model	SCFM	Inlet / Outlet Connections NPT	Min / Max Inlet Temperature	Max Pressure PSIG	Dimensions Height x Width A x B	Weight LBS	Replacement Cyclonic Element
CKL 005	70	3/8"	35 / 150	232	7.36" x 3.46"	1.55	CKL 005E
CKL 007	90	1/2"	35 / 150	232	7.36" x 3.46"	1.55	CKL 007E
CKL 010	135	3/4"	35 / 150	232	10.11" x 3.46"	1.76	CKL 010E
CKL 018	215	1"	35 / 150	232	10.35" x 4.92"	3.96	CKL 018E
CKL 047	450	1 1/2"	35 / 150	232	18.14" x 4.92"	5.51	CKL 047E
CKL 094	750	2"	35 / 150	232	26.92" x 6.47"	11.24	CKL 094E

CORRECTION FACTORS

Operating Pressure (PSIG)	29	44	58	72	87	100	115	130	145	160	174	189	203	218	232
Correction Factor	0.38	0.5	0.63	0.75	0.88	1	1.13	1.25	1.38	1.5	1.63	1.75	1.88	2	2.13

For maximum flow rate, multiply model flow rate (refer to Technical Data, column two) by the correction factor corresponding to the actual inlet air pressure.

DO NOT SELECT SEPARATOR BY PIPE SIZE-USE MAXIMUM FLOW AND MINIMUM OPERATING PRESSURE

MAXIMUM OPERATING PRESSURE IS 232 PSIG, MAXIMUM OPERATING TEMPERATURE IS 150°F



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