

CS /CS SS SERIES

WELDED CONDENSATE SEPARATORS

operating pressure	16 bar
volume flow rate	840 to 7440 Nm³/h
connections	DN65 to DN200
operating temp. range	1,5 to 65 °C
material CS series	carbon steel, RAL 9005
material CS SS series	stainless steel 1.4301

APPLICATIONS

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



CONDENSATE DRAINS

AOK20B 	TD16M/S 	CDI 16B 	ECD-B 	EMD12 
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DESCRIPTION

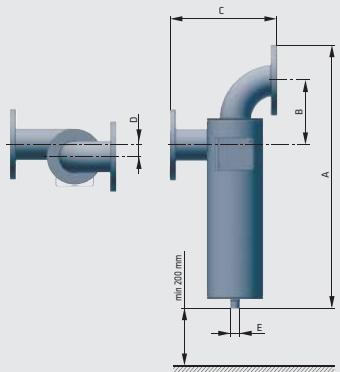
CS condensate separators have been developed for high efficient removal of bulk liquids and large impurities from compressed air systems. Inside the housing there is an insert that creates controlled rotation of the air. As a result of centrifugal action liquids (water, oil) and large particles are forced 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 cyclone housing prevents condensate from being picked up and "carried over" into the airstream.

To discharge condensate from the CS cyclone separator it is essential to install automatic or electronic condensate drain. CS cyclone separators are also available in stainless steel version CS-SS.



TECHNICAL DATA - CS / CS SS CONDENSATE SEPARATORS

Model		Pipe size	Max.oper. pressure	Flow rate at 7 bar(g), 20°C		Temperature oper. range		Dimensions [mm]					Mass
carbon steel	stainless steel	DN	bar/psi	Nm³/h	SCFM	°C	°F	A	B	C	D	E	kg
CS 14	CS SS 14	65	16/232	840	495	1,5 - 65	35 - 149	613	153	302	45	1/2"	21
CS 28	CS SS 28	80	16/232	1710	1005	1,5 - 65	35 - 149	745	182	302	35	1/2"	26
CS 62	CS SS 62	125	16/232	3720	2190	1,5 - 65	35 - 149	1041	280	390	37	1/2"	56
CS 88	CS SS 88	150	16/232	5280	3110	1,5 - 65	35 - 149	1298	330	489	50	1/2"	94
CS 124	CS SS 124	200	16/232	7440	4380	1,5 - 65	35 - 149	1506	436	619	52	1/2"	147



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
Operating pressure [psi]	29	44	58	72	87	100	115	130	145	160	174	189	203	218	232
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