

**50 bar**

operating pressure

1,760 to 12,550 Nm³/h

volume flow rate

DN80 to DN350

connections

1,5 to 65 °C

operating temperature range

RAL 9005

standard colour CS series

carbon steel

material

DESCRIPTION

SFH HP 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.

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

Fluid group 1 on request.

APPLICATIONS

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

SFH HP SERIES

WELDED HIGH PRESSURE CONDENSATE SEPARATORS

**TD 50M**

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EMD HP

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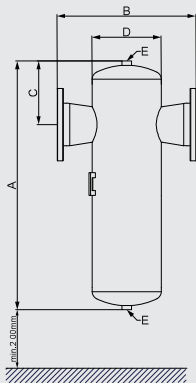
AOK 50B

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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
	DN	bar/psi	Nm ³ /h	SCFM	°C	°F	A	B	C	D	E	kg
SFH HP 029	80	50/725	1,760	1,024	1,5 - 65	35 - 149	720	400	165	219	1/2"	41
SFH HP 037	100	50/725	2,200	1,307	1,5 - 65	35 - 149	890	460	236	244	1/2"	52
SFH HP 066	125	50/725	3,940	2,331	1,5 - 65	35 - 149	980	550	250	273	1"	66
SFH HP 088	150	50/725	5,300	3,108	1,5 - 65	35 - 149	1,040	570	250	300	1"	92
SFH HP 097	200	50/725	5,820	3,426	1,5 - 65	35 - 149	1,110	690	265	350	1"	113
SFH HP 142	250	50/725	8,520	5,015	1,5 - 65	35 - 149	1,330	800	360	480	1"	234
SFH HP 180	300	50/725	10,770	6,357	1,5 - 65	35 - 149	1,470	820	408	550	1"	300
SFH HP 209	350	50/725	12,550	7,381	1,5 - 65	35 - 149	1,670	920	471	622	1"	440



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]	3	5	7	10	13	16	20	30	40	50
Operating pressure [psi]	44	72	100	145	189	232	290	435	580	725
Correction factor	0,50	0,75	1	1,38	1,75	2,13	2,63	3,88	5,13	6,38