

**50 bar**

operating pressure

1760 to 12550 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 welded high pressure condensate separators are designed for high efficient removal of bulk liquids and large impurities from high pressure compressed air systems up to 50 bar. The insert inside the housing creates controlled rotation of the air flow. Centrifugal flow of liquids (water, oil) and large particles is 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 SFH HP cyclone separator it is essential to install automatic or electronic condensate drain.

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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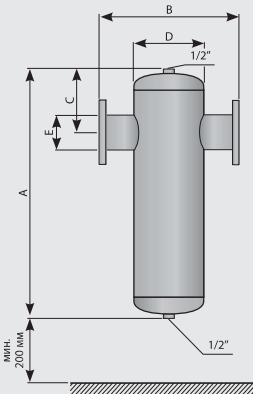
APPLICATIONS

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



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	1760	1024	1,5 - 65	35 - 149	720	400	165	219	1/2"	
SFH HP 037	100	50/725	2200	1307	1,5 - 65	35 - 149	890	460	236	244	1/2"	
SFH HP 066	125	50/725	3940	2331	1,5 - 65	35 - 149	980	550	250	273	1"	
SFH HP 088	150	50/725	5300	3108	1,5 - 65	35 - 149	1040	570	250	300	1"	
SFH HP 097	200	50/725	5820	3426	1,5 - 65	35 - 149	1110	690	265	350	1"	
SFH HP 142	250	50/725	8520	5015	1,5 - 65	35 - 149	1330	800	360	480	1"	
SFH HP 180	300	50/725	10770	6357	1,5 - 65	35 - 149	1470	820	408	550	1"	
SFH HP 209	350	50/725	12550	7381	1,5 - 65	35 - 149	1670	920	471	622	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]	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