

SFH /SFH SS SERIES

WELDED CONDENSATE SEPARATORS

operating pressure	16 bar
volume flow rate	1760 to 12550 Nm³/h
connections	DN80 to DN350
operating temp. range	1,5 to 65 °C
material SFH series	carbon steel, RAL 9005
material SFH SS series	stainless steel 1.4301

APPLICATIONS

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



CONDENSATE DRAINS



DESCRIPTION

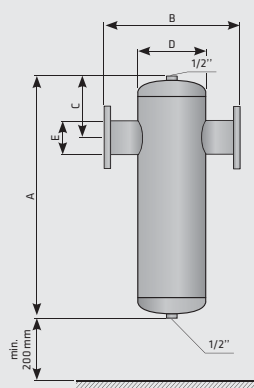
SFH condensate separators have been developed for high efficient removal of bulk liquids and large impurities from compressed air systems. Inside the housing there is an insert that creates controlled rotation of the air. As a result of centrifugal action liquids (water, oil) and large particles are 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 SFH cyclone separator it is essential to install automatic or electronic condensate drain. SFH cyclone separators are also available in stainless steel version SFH-SS.



TECHNICAL DATA - SFH/SFH 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
SFH 029	SFH SS 029	80	16/232	1760	1024	1,5 - 65	35 - 149	720	400	165	219	1/2"	33
SFH 037	SFH SS 037	100	16/232	2200	1307	1,5 - 65	35 - 149	890	460	236	244	1/2"	45
SFH 066	SFH SS 066	125	16/232	3940	2331	1,5 - 65	35 - 149	980	550	250	273	1"	58
SFH 088	SFH SS 088	150	16/232	5300	3108	1,5 - 65	35 - 149	1040	570	250	300	1"	81
SFH 097	SFH SS 097	200	16/232	5820	3426	1,5 - 65	35 - 149	1110	690	265	350	1"	107
SFH 142	SFH SS 142	250	16/232	8520	5015	1,5 - 65	35 - 149	1330	800	360	480	1"	207
SFH 180	SFH SS 180	300	16/232	10770	6357	1,5 - 65	35 - 149	1470	820	408	550	1"	280
SFH 209	SFH SS 209	350	16/232	12550	7381	1,5 - 65	35 - 149	1670	920	471	622	1"	379



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