



**16 (13)bar**

operating pressure

**1760 to 12550 Nm<sup>3</sup>/h**

volume flow rate

**DN80 to DN350**

connections

**1,5 to 120 °C**

operating temperature range

**RAL 9005**

standard colour CS series

**SFH: carbon steel**

**SFH SS: stainless steel 1.4404 material**

## DESCRIPTION

SFH condensate separators are designed for high efficient removal of bulk liquids and large impurities from compressed air systems. 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 cyclone separator it is essential to install automatic or electronic condensate drain. SFH cyclone separators are also available in stainless steel version SFH SS.

Fluid group 1 on request.

## APPLICATIONS

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

# SFH/SFH SS SERIES

## WELDED CONDENSATE SEPARATORS

**SFH**



**SFH SS**



**TD16Mcr**



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**AOK 20SS**



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**AOK 13PA**



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**AOK 20B**



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**TD16M**



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**ECD-B**



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**EMD**

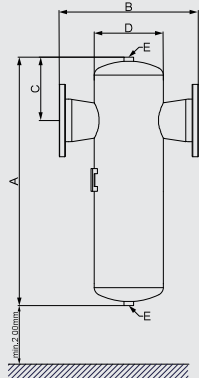


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**TECHNICAL DATA**

Model		Pipe size	Max.oper. pressure		Flow rate at 7 bar(g), 20 °C		Temperature oper. range		Dimensions [mm]					Mass
carbon steel	stainless steel	DN	SFH bar/psi	SFH SS bar/psi	Nm³/h	SCFM	°C	°F	A	B	C	D	E	kg
SFH 029	SFH SS 029	80	16/232	13/188	1.760	1.024	1,5 - 120	35 - 248	720	400	165	219	1/2"	33
SFH 037	SFH SS 037	100	16/232	13/188	2.200	1.307	1,5 - 120	35 - 248	890	460	236	244	1/2"	45
SFH 066	SFH SS 066	125	16/232	13/188	3.940	2.331	1,5 - 120	35 - 248	980	550	250	273	1"	58
SFH 088	SFH SS 088	150	16/232	13/188	5.300	3.108	1,5 - 120	35 - 248	1040	570	250	300	1"	81
SFH 097	SFH SS 097	200	16/232	13/188	5.820	3.426	1,5 - 120	35 - 248	1110	690	265	350	1"	117
SFH 142	SFH SS 142	250	16/232	13/188	8.520	5.015	1,5 - 120	35 - 248	1330	800	360	480	1"	227
SFH 180	SFH SS 180	300	16/232	13/188	10.770	6.357	1,5 - 120	35 - 248	1470	820	408	550	1"	280
SFH 209	SFH SS 209	350	16/232	13/188	12.550	7.381	1,5 - 120	35 - 248	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