

Hypersep STH & SFH series

Hypersep — centrifugal water separator



Brief description

Hypersep separators are very compact and easy to install and is offered with a full range of threaded and flanged air connections. It needs no external power source, and it works automatically without any maintenance requirements. Hypersep separators even remove rust, oil and other impurities, significantly improving the performance of filters and other downstream equipments.

All threaded models in aluminium feature unique Hiroshield surface protection treatment, applied both inside and outside. Hiroshield ensures that Hypersep can withstand even the toughest industrial conditions. The result is reduced maintenance and downtime.

Hypersep's low pressure drops configuration keeps system energy costs at a minimum. High pressure separators for max. operating pressure 40 bar(g).

Versions

- Horizontal or vertical configuration
- in stainless steel
- for high or low air flow

PED approval is offered as standard for all models. Other International pressure vessel approvals available on request.



Performance overview:

| STH | Air Flow m ³ /h | Port Size | STH | Air Flow m ³ /h | Port Size |
|---------|-------------------------------|-----------|---------|-------------------------------|-----------|
| STH001N | 54 | 3/8" | STH001A | 54 | 3/8" |
| STH002N | 126 | 1/2" | STH003A | 180 | 1 1/2" |
| STH003N | 180 | 3/4" | STH013A | 750 | 2" |
| STH006N | 330 | 1" | STH001P | 54 | 3/4" |
| STH009N | 540 | 1 1/4" | STH003P | 180 | 1 1/2" |
| STH013N | 750 | 1 1/2" | STH013P | 750 | 2" |
| STH021N | 1.260 | 2" | STH019P | 1.140 | DN65 |
| STH040N | 2400 | 2 1/2" | | | |
| STH046N | 2.760 | 3" | | | |

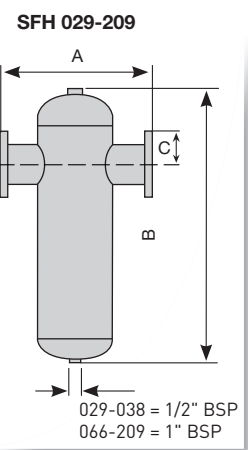
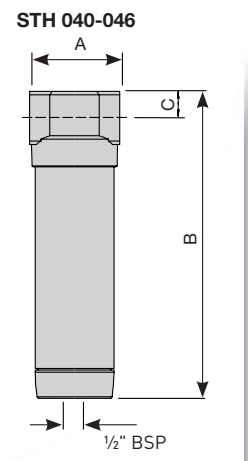
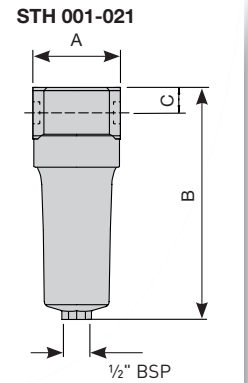
| SFH | Air Flow m ³ /h | Port Size | | SFH | Air Flow m ³ /h | Port Size | |
|--------|-------------------------------|-----------|-------|--------|-------------------------------|-----------|-------|
| | | in | out | | | in | out |
| SFH029 | 1764 | DN80 | DN80 | SFH088 | 5304 | DN200 | DN150 |
| SFH030 | 1800 | DN100 | DN80 | SFH089 | 5340 | DN200 | DN150 |
| SFH037 | 2196 | DN100 | DN100 | SFH097 | 5826 | DN200 | DN200 |
| SFH038 | 22280 | DN125 | DN125 | SFH142 | 8514 | DN250 | DN200 |
| SFH066 | 3936 | DN150 | DN125 | SFH180 | 10770 | DN300 | DN200 |
| SFH067 | 4020 | DN150 | DN150 | SFH209 | 12546 | DN350 | DN200 |

Product-Specification

STH & SFH Hypersep

| Model | Technical data | | | | | Dimensions (mm) | | | Weight kg |
|-----------------------------------|-------------------|---------------------|---------------------------|-----------------|--------|-----------------|------|-----|--------------|
| | Air flow | | max pressure bar(g) | Air connections | | A | B | C | |
| | m ³ /h | m ³ /min | | in | out | | | | |
| Threaded models (aluminium) | | | | | | | | | |
| STH001N | 54 | 0.9 | 16 | 3/8" | 3/8" | 89 | 267 | 24 | 1.1 |
| STH002N | 126 | 2.1 | 16 | 1/2" | 1/2" | 89 | 267 | 24 | 1.1 |
| STH003N | 180 | 3 | 16 | 3/4" | 3/4" | 89 | 267 | 24 | 1.1 |
| STH006N | 330 | 5.5 | 16 | 1" | 1" | 109 | 367 | 34 | 2.2 |
| STH009N | 540 | 9 | 16 | 1 1/4" | 1 1/4" | 109 | 367 | 34 | 2.2 |
| STH013N | 750 | 12.5 | 16 | 1 1/2" | 1 1/2" | 109 | 367 | 34 | 2.2 |
| STH021N | 1.260 | 21 | 16 | 2" | 2" | 150 | 550 | 41 | 4.3 |
| STH040N | 2400 | 40 | 16 | 2 1/2" | 2 1/2" | 188 | 733 | 56 | 12.5 |
| STH046N | 2.760 | 46 | 16 | 3" | 3" | 188 | 733 | 56 | 12.5 |
| Threaded models (stainless steel) | | | | | | | | | |
| STH001A | 54 | 0.9 | 16 | 3/8" | 3/8" | 142 | 577 | 129 | 1.1 |
| STH003A | 180 | 3 | 16 | 1 1/2" | 1 1/2" | 142 | 577 | 128 | 1.1 |
| STH013A | 750 | 12.5 | 16 | 2" | 2" | 178 | 596 | 142 | 2.2 |
| High pressure models | | | | | | | | | |
| STH001P | 54 | 0.9 | 40 | 3/4" | 3/4" | 148 | 280 | 96 | 4.5 |
| STH003P | 180 | 3 | 40 | 1 1/2" | 1 1/2" | 142 | 575 | 130 | 8 |
| STH013P | 750 | 12.5 | 40 | 2" | 2" | 177 | 592 | 142 | 9 |
| STH019P | 1.140 | 19 | 40 | DN65 | DN65 | 370 | 627 | 157 | 24.5 |
| Flanged Filters | | | | | | | | | |
| SFH029 | 29,4 | 1764 | 16 | DN80 | DN80 | 400 | 720 | 200 | 28 |
| SFH030 | 30 | 1800 | 16 | DN100 | DN80 | 400 | 720 | 200 | 29 |
| SFH037 | 36,6 | 2196 | 16 | DN100 | DN100 | 460 | 880 | 230 | 48 |
| SFH038 | 38 | 2280 | 16 | DN125 | DN100 | 460 | 880 | 230 | 49 |
| SFH066 | 65,6 | 3936 | 16 | DN125 | DN125 | 550 | 980 | 260 | 55 |
| SFH067 | 67 | 4020 | 16 | DN150 | DN125 | 550 | 980 | 260 | 56 |
| SFH088 | 88,4 | 5304 | 16 | DN150 | DN150 | 570 | 1060 | 290 | 82 |
| SFH089 | 89 | 5340 | 16 | DN200 | DN150 | 570 | 1060 | 290 | 85 |
| SFH097 | 97,1 | 5826 | 16 | DN200 | DN200 | 660 | 1160 | 320 | 126 |
| SFH142 | 141,9 | 8514 | 10 | DN250 | DN200 | 680 | 1255 | 351 | 148 |
| SFH180 | 179,5 | 10770 | 10 | DN300 | DN200 | 750 | 1455 | 390 | 160 |
| SFH209 | 209,1 | 12546 | 9 | DN350 | DN200 | 830 | 1655 | 430 | 205 |

Performances refer to air at FAD 20 °C/1 bar_a, and at the following working conditions: air suction 25 °C / 60%RH, 7 bar(g) working pressure, 35 °C compressed air inlet temperature, 7kPa pressure drop. Separators supplied without condensate drain (see condensate drain models for matching drain).



EMEA Product Information Centre

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US Product Information Centre

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