

Separator series STH

Hypersep



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 barg.

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:

Model	Air Flow m ³ /h	Port Size	Model	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"			

Product-Specification

STH Hypersep

Separator model	Technical data					Dimensions (mm)			Weight (kg)
	Air flow		max pressure	Air connections		A	B	C	
	m ³ /h	m ³ /min	barg	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	1¼"	1¼"	109	367	34	2.2
STH013N	750	12.5	16	1½"	1½"	109	367	34	2.2
STH021N	1.260	21	16	2"	2"	150	550	41	4.3
STH040N	2400	40	16	2½"	2½"	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

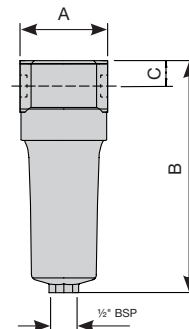
Performances refer to air at FAD 20 °C/1 bar_a, and at the following working conditions: air suction 25 °C / 60%RH, 7 barg working pressure, 35 °C compressed air inlet temperature, 7kPa pressure drop. Separators supplied without condensate drain (see condensate drain models for matching drain).



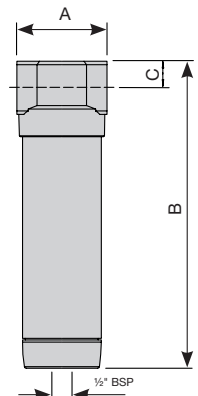
The patented seal mechanism prevent Hypersep from being accidentally opened during operation

Extensive range of condensate drains **Hyperdrain**

STH 001-021



STH 040-046



EMEA Product Information Centre

Free phone: 00 800 27 27 5374

(from AT, BE, CH, CZ, DE, DK, EE, ES, FI, FR, IE, IL, IS, IT, LU, MT, NL, NO, PL, PT, RU, SE, SK, UK, ZA)

US Product Information Centre

Toll-free number: 1-800-27 27 537

www.parker.com/hzd

