

Hypersep

centrifugal water separation



domnick hunter hiross SpA

HIROSS

Compressed Air Treatment

HYPERSEP: EFFICIENT CONDENSATE REMOVAL

Industrial compressed air incorporates large quantities of liquid condensate. The removal of this condensate is of paramount importance, in order to protect the compressed air network, facilitate the operation of downstream equipment and reduce the system's overall operating and maintenance costs. Hypersep represents a highly effective solution to this need, removing more than 99% of the liquid condensate present in the compressed air network.

A full range of models, available in numerous configurations, caters for all user needs.

Hypersep is easy to install and operate, and requires no maintenance and no external power source.

Hypersep is perfectly suited for installation after the air compressor, as well as for point of use installation in numerous niche applications.



BENEFITS

- 99% condensate removal
- reduces system maintenance & downtime
- Hiroshield protection

EASY TO USE



Sight glass

Hypersep is very compact and easy to install and is offered with a full range of threaded and flanged air connections. Hypersep needs no external power source, and it works automatically without any maintenance requirements. The sight glass, standard up to STH021, allows for an easy verification of correct operation, whilst the patented seal mechanism prevents Hypersep from being accidentally opened during operation.

FULL RANGE OF ACCESSORIES



Full range of condensate drains

Hypersep is offered both with standard horizontal air inlets, as well as with space saving vertical air inlets. Wall mounting kits and counterflange kits allow for easy installation.

A full range of complementary Hiross Condensate drains covers all user needs. Stainless steel versions, as well as models for high pressure applications or higher air flows, are available on request.

RELIABLE OPERATION



Hiroshield surface protection

Threaded models feature the unique Hiroshield treatment on the housing's inside and outside, protecting it from the rigors of industry.

Hypersep has no moving components and requires no spare parts, leading to extreme operating reliability together with low operating costs.

Hypersep features PED approval, with other approvals available on request.

HIGHEST PERFORMANCE LEVELS



Vertical air inlet configuration

Hypersep's unique diffuser design offers a condensate removal efficiency in excess of 99%.

Hypersep even removes rust and other bulk impurities, significantly improving the performance of filters and other downstream equipment. The result is reduced maintenance and downtime.

Hypersep's low pressure drop configuration keeps system energy costs at a minimum.

CHOOSE YOUR HYPERSEP ...

103612 / 06-04 A / 1.000 / RO

MODEL	Air flow		Air connections		Max. press. (barg)	Dimensions (mm)			Weight (kg)
	m ³ /min.	cfm	inlet	outlet		A	B	C	

THREADED MODELS

STH001	0,9	32	3/8"	3/8"	16	89	267	24	1,1
STH002	2,1	74	1/2"	1/2"	16	89	267	24	1,1
STH003	3,0	106	3/4"	3/4"	16	89	267	24	1,1
STH006	5,5	194	1"	1"	16	109	367	34	2,2
STH009	9,0	318	1 1/4"	1 1/4"	16	109	367	34	2,2
STH013	12,5	441	1 1/2"	1 1/2"	16	109	367	34	2,2
STH021	21,0	742	2"	2"	16	150	550	41	4,3
STH040	40,0	1624	2 1/2"	2 1/2"	16	188	733	56	12,5
STH046	46,0	2760	3"	3"	16	188	733	56	12,5

FLANGED HORIZONTAL MODELS

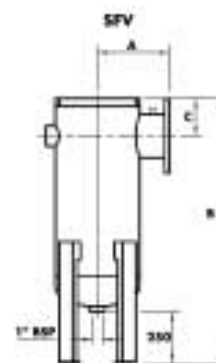
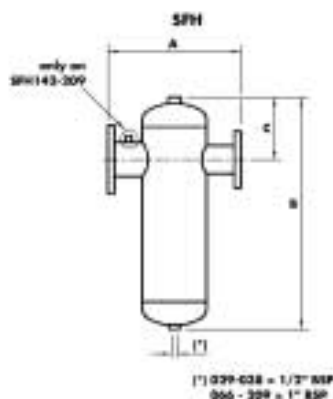
SFH029	29,4	1038	DN80	DN80	16	400	720	200	28
SFH030	30,0	1059	DN100	DN80	16	400	720	200	29
SFH037	36,6	1292	DN100	DN100	16	460	880	230	48
SFH038	38,0	1342	DN125	DN100	16	460	880	230	49
SFH066	65,6	2317	DN125	DN125	16	550	980	260	55
SFH067	67,0	2366	DN150	DN125	16	550	980	260	56
SFH088	88,4	3122	DN150	DN150	16	570	1060	290	82
SFH089	89,0	3143	DN200	DN150	16	570	1060	290	85
SFH097	97,1	3429	DN200	DN200	16	660	1160	320	126
SFH142	141,9	5011	DN250	DN200	10	680	1255	351	148
SFH180	179,5	6339	DN300	DN200	10	750	1455	390	160
SFH209	209,1	7384	DN350	DN200	9	830	1655	430	205

FLANGED VERTICAL MODELS

SFV029	29,4	1038	DN80	DN80	16	200	904	134	29
SFV037	36,6	1292	DN100	DN100	12	230	1051	151	50
SFV066	65,6	2317	DN125	DN125	12	275	1131	171	57
SFV088	88,4	3122	DN150	DN150	12	285	1195	185	84
SFV097	97,1	3429	DN200	DN200	12	330	1295	215	90
SFV142	141,9	5011	DN250	DN200	10	340	1392	242	120
SFV180	179,5	6339	DN300	DN200	10	375	1575	265	145
SFV209	209,1	7384	DN350	DN200	9	415	1763	293	185

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.

STH in aluminium. SFH/SFV in carbon steel. Models with other materials or for high pressure applications available on request.



The Quality and Environment Management Systems of domnick hunter hiross S.p.A. have been approved by Lloyd's Register Quality Assurance to the following Quality and Environment Management System standards: ISO9001:2000 (Certificate LRC160001) and ISO14001:1996 (Certificate LRC160001/14).

Data contained in this publication is to be considered as indicative only. The manufacturer reserves the right to modify data without prior notice.

The Hiross product range: Aftercoolers, Separators, Filters, Refrigeration Dryers, Adsorption Dryers, Condensate Drains, Oil/Water Separators, Water Chillers, Dry Coolers.

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