Stenhøj Cyclone & SF Series

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Stenhøj cyclone & industrial filters

The STENHØJ Cyclone water separator is used to eliminate water droplets from the compressed air system. Its purely mechanical function, its fluid mechanically optimized housing and its efficient condensate drain form the basis for its long and trouble free service-life.

The STENHØJ cyclone is equipped with a timer controlled drain.

The SF filter series is designed to cover industry's filtration requirements in countless different processes using compressed air and gases.

Active charcoal unit type A:
Used for the removal of oil aerosols and flavouring substances for diving air and filtering ahead of sterile filters. Can also be used in the chemical industry.

Pre-filter type P:
Particle filtration and removal of water ahead of micro-filters (M) and supermicro-filters (S).

Pre-filter type B:
Particle filtration and removal of water ahead of micro-filter (M) and supermicro-filters (S). Used at temperatures of up to 120 degrees in the medium to be filtered.

Fine filter type V:
Upstream filtering ahead of refrigerant type dryers to remove oil, water and particles. The filter is also used for filtering downstream of adsorption dryers.

Micro-filter type M:
Used for final filtering of process air, adsorption dryer filtering and general filtering in the food industry.

Supermicro-filter type S:
Used like the micro-filter (M) for process air, adsorption dryers and in the food industry. This can also be fitted upstream of the active charcoal filter (A) for diving air.

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Technical data

CYCLONE

CYCLONE Type	OUTPUT At 7 bar m3/h	OUTPUT At 7 bar m3/min	CONNECTION Thread BSP	WEIGHT Kg
120	120	2,00	1/2	1,60
210	210	3,50	3/4	2,70
320	320	5,33	1	2,70
450	450	7,50	1 1/2	2,90
750	750	12,50	2	2,90
1100	1100	18,33	2	2,90

FILTER

FILTER HOUSING Type	OUTPUT At 7 bar m3/h	OUTPUT At 7 bar m3/min	OUTPUT At 7 bar CFM	CONNECTION Thread BSP	WEIGHT Kg	WIDTH mm	DEPTH mm	HEIGHT mm
SF35	35	0,58	20,59	1/4	0,50	76	85	254
SF70	70	1,16	41,19	3/8	0,90	103	107	297
SF120	120	2,00	70,62	1/2	1,00	103	107	341
SF210	210	3,50	123,58	3/4	2,00	139	140	382
SF320	320	5,33	188,32	1	2,20	139	140	442
SF450	450	7,50	264,82	1 1/4	5,20	190	203	586
SF600	600	10,00	353,1	1 1/2	5,20	190	203	586
SF750	750	12,50	441,37	2	5,20	190	203	586
SF1100	1100	18,33	647,35	2	7,20	190	203	764

FILTER- TYPE	DEGREE OF EFFICIENCY Relative to particle size Micron	DEGREE OF EFFICIENCY %	RESIDUAL OIL CONTENT MG/M3
P	25	100	
B	25	100	
A			0,003
V	0,01	99,6	< 0,2
M	0,01	99,7	< 0,2
S	0,01	99,8	< 0,01

* At 3 mg/m3 measured at 1 bar absolute pressure – 20 degrees

Filter units – Correction overview

Working pressure bar	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Correction factor	0,25	0,38	0,5	0,63	0,75	0,88	1	1,13	1,25	1,38	1,5	1,63	1,75	1,88	2	2,13

The design of the filters gives you a number of advantages:

- -High output
- -Efficiency
- -A compact filter
- -User-friendliness
- -Flexibility
- -Reliable filtering in accordance with ISO 8573-1
- -Nine different sizes of filter cover STENHØJ´s compressors with outputs from 2-120 kW
- -Clearance of only 5 cm is required beneath the filter for replacement thanks to the bayonet coupling
- -Wall mountings and coupling sets are available for the filter housings

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