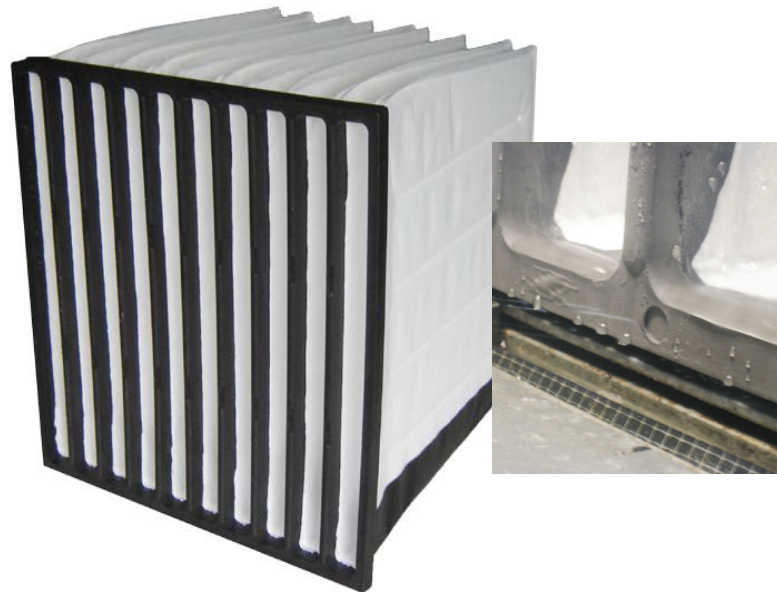


COMBUSTION TURBINE AIR INTAKE FILTERS

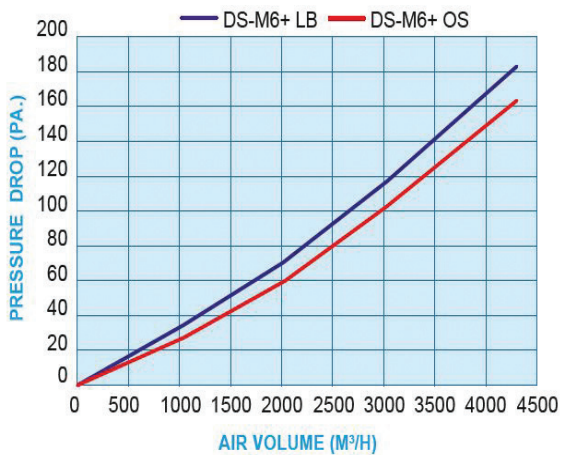
Drop Safe® air intake filters from Filtration Group keeps air pollutants, both particles and water, from entering the turbine air inlet. As a result of DropSafe, the cleaner air increases turbine output and reliability. Inserting DropSafe also maintains scheduled service periods, preventing a forced outage.



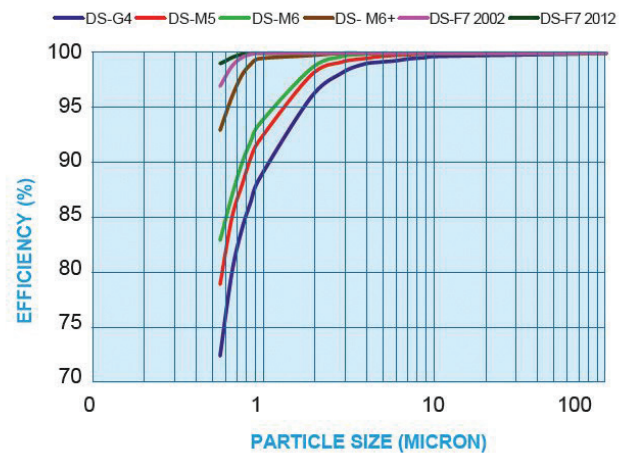
DS-M6+ -600 Drop Safe® Filters



DS-F7 DP CURVE



WATER DROPLET FOG SEPARATION EFFICIENCY



Test Conditions and Remarks*

Relative humidity of test air	≥ 95%
Upstream water fog concentration**	= 27 mg/m³
Upstream size range of fog	< 0.5 - 20 µm
Upstream mass median droplet diameter	= 6.0 µm
Downstream mass median droplet diameter (depending on filter type and efficiency)	approx. 0.6 µm
Measuring range of particle spectrometer	0.5 - 42 µm

*Test filters new, conditioned with upstream fog for 140 h

Technical Data

Filter Type	Unit	DS-M6+ LB	DS-M6+ OS
Rated air flow (1/1 size)	m ³ /h	3400	3400
Initial pressure drop at rated air flow (3400 m ³ /h)	Pa	130	120
Initial pressure drop at rated air flow (4250 m ³ /h)	Pa	170	160
Recommended final pressure drop	Pa	450	450
Filter class per EN779:2012	-	M6	M6
Average Arrestance	%	>99	>99
Average Efficiency	%	67	73
Dust holding capacity (Ashrae dust) 450 Pa	g/unit	790	1100
Water Fog separation test results	-	DS-M6+ 8	DS-M6+ 10
Test air flow	m ³ /h	4250	4250
Water Fog separation efficiency	%	99.975	99.985
Product Geometries			
Filter dimensions	mm	595*595	595*595
Filter length	mm	620	620
Filter medium area	m ²	5.0	6.3
Nr. of pockets	-	8	10
Filter weight	kg	3.6	4.2
Package - nr of filters per box	unit	2	2
Suitable for standard mounting frame	mm	610*610	610*610
Maximum continuous working temperature	°C	≤70	≤70
Admissible relative humidity	%	100	100
Maximum final operating pressure drop	Pa	600	600

* Minimum Efficiency Reporting Value (MERV) is a standard that rates the overall effectiveness of air filters.

** Representing a typical natural fine fog with a visibility of approx. 300 m, generated by injecting water with pressurised air nozzles into the test air flow and separation of coarse droplets by a demister

Options available on request: Gasket on downstream, upstream or both sides

All data are average indicative values with usual manufacturing and testing tolerances. All specifications are subject to change without notice.