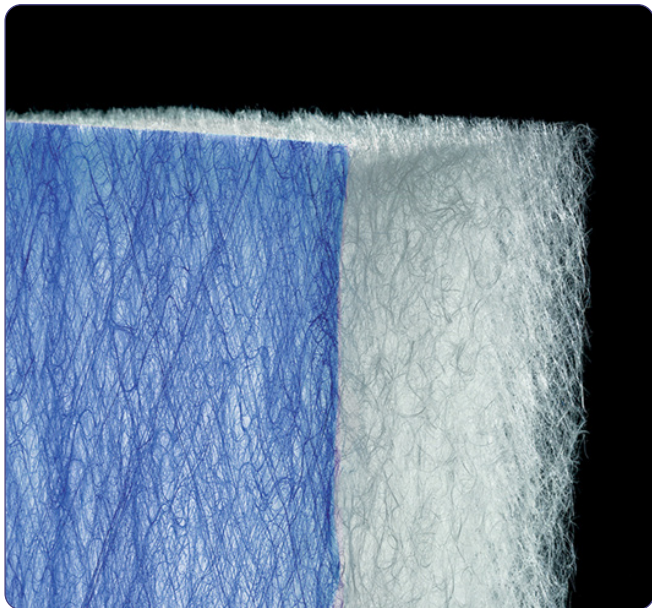


filtering nonwovens



MIST COLLECTOR

1. 100% glass fibers
2. High humidity absorbency capacity
3. Low pressure drop
4. Long filter lifespan
5. Low operating costs
6. Flame retardant (Warr. BS 476/4)

UP TO
120°C

PCV

F1
DIN 53438

ISO 16890 Class:	ISO Coarse 50%
*Final pressure drop derived from the filter test standard:	200 Pa
EN 779:2012 Class:	G3
*Final pressure drop derived from the filter test standard:	250 Pa
Thickness:	75 mm
Average effectiveness based on tests with water droplets (3-4 µm):	99,8%
Air flow rate:	2,5 m/s
Initial pressure drop:	47 Pa
Max. operating temperature:	up to 120°C

Filtration material: coalescing nonwoven fabric, 100% elemental glass fibers with progressively increasing density and laminated air outlet side. Impregnated with a special agent, which significantly increases its ability to absorb moisture from the flowing air. It has a very high ability to retain moisture with minimal air resistance.

Application: very high capacity to stop water droplets makes the nonwoven fabric widely used for protection against moisture of ventilation and air conditioning systems on land and at sea, as well as in various types of air intakes and intake systems, e.g. for gas turbines.

The values shown may vary slightly within tolerances.

* The final operating pressure drop of the filters should be checked in the technical documentation or consulted with the manufacturer of the equipment being operated.

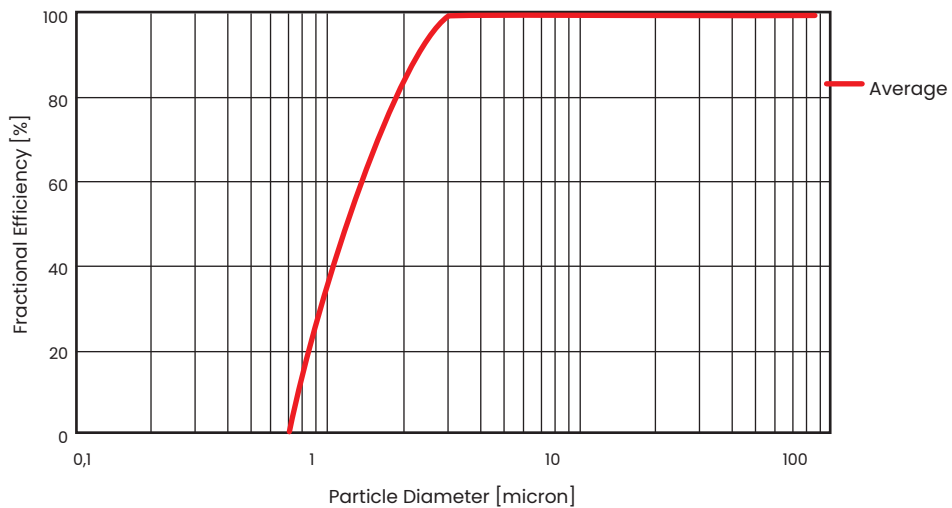
Time Elapsed (min.)	1 min.	2 min.	3 min.	4 min.	5 min.	6 min.	7 min.	8 min.	9 min.	10 min.	Average	
Size Range (µm)	Initial Fractional Efficiency (%)											
0,2-0,3	Water Break-Up Region - no Filtration											0,0
0,3-0,4												0,0
0,4-0,6												0,0
0,6-0,8												0,0
0,8-1,0	30,8	26,9	23,1	23,0	22,4	22,2	21,8	21,3			23,9	
1,0-1,5	52,8	53,6	54,6	55,1	55,3	56,0	55,8	55,5			54,8	
1,5-2,0	72,5	76,2	76,4	76,8	76,6	76,0	74,8	77,0			75,8	
2,0-2,5	87,2	88,8	90,1	89,5	88,9	89,1	88,9	89,1			89,0	
2,5-3,0	98,3	98,6	98,7	98,6	96,9	98,1	97,8	98,3			98,2	
3-4	99,6	100,0	99,9	99,9	100,0	99,7	99,8	99,9			99,8	
4-5	99,9	99,8	100,0	99,9	100,0	99,9	99,9	100,0			99,9	
5-6	100,0	99,8	99,7	99,9	100,0	100,0	100,0	100,0			99,9	
6-8	100,0	99,8	100,0	99,9	100,0	99,9	100,0	99,9			99,9	
8-10	100% Filtration Region											100,0
10-12												100,0
12-15												100,0
15-20												100,0
20-30												100,0
30-40												100,0
40-50												100,0
50-70												100,0
70-100												100,0



$$F_{\text{eff}} = \frac{C_{\text{up}} - C_{\text{down}}}{C_{\text{up}}} \times 100\%$$

- F_{eff} Fractional Efficiency of Water Mist Collection
- C_{up} Water Particle Concentration Upstream of Filter
- C_{down} Water Particle Concentration Downstream of Filter

Fractional Efficiency versus Particle Diameter



We reserve the right to make changes to the technical specifications at any time without prior notice, resulting from the continuous improvement of our products.