



## EMW coalescer mist eliminator

### description

EMW coalescers are used for separation of water droplets, mainly in the air intake for gas turbines. Standard coalescer should separate the bigger part of the droplets and hold preferably little dust at the same time.

The complete coalescer consists of an exchangeable plastic frame in which a special coated glassfibre media is inserted.

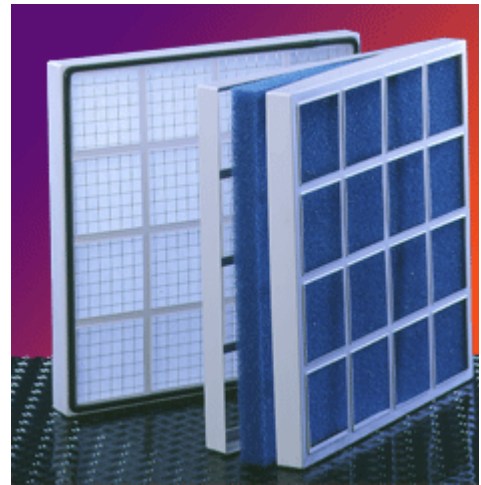
The exchangeable plastic frame alternatively can be equipped with open-celled foam, synthetic media or hydrophilic ceramic. Due to the high internal stiffness of our foams, also available as Z-Line shape, they can be adapted into existing installations without further additional fixing elements.

### characteristics

- stability at 100% relative humidity
- collection efficiency approx. 99% for droplets at 10 µm
- little dust separation
- washable
- high internal stiffness

### fields of application

- gas turbines
- power stations
- ventilating systems and air handling units



### standards

pre-cut parts of coalescer in  
exchangeable plastic frame  
filter class G2  
dimension 596 x 596 x 50 mm

aluminium mesh in metall  
frame filter class G2  
dimension 596 x 596 x 50 mm

Various pre-cut parts of media  
and other dimensions on request



Coalescer Type	GF V4 Melamine	Poret® PPI10 Plan	Poret® PPI10 Z-Line
filter class accord. to 779	G2	G2	G2
nominal air flow rate [m <sup>3</sup> /h]	3400	3400	3400
average efficiency @ 5µm [%]	>95	>95	100
initial pressure differential [Pa], 3400 m <sup>3</sup> /h	85	85	55

