






Drift Eliminators – Technical Data Sheet

Installed above the distribution level, drift eliminators play an important role by capturing water droplets entrapped in the air stream that otherwise would be lost to the atmosphere. B&W SPIG drift eliminators are made of plastic material (PVC or PP) and are assembled in packs, creating a channel pattern. As the air stream is forced into changing directions when passing through the channels, the water droplets are entrapped and fall down to the fill.

<p>WAVE</p>	
<p>CELLULAR CF</p> <p>CELLULAR type also available for cross flow cooling towers (XF)</p> 	
<p>H-MOON L H-MOON N</p> 	

Technical Data

	WAVE	CELLULAR	H-MOON L	H-MOON N
Wave materials	PVC/PP	PVC	PVC/PP	PVC/PP
Spacer materials	PP	N/A	PVC/PP	PVC/PP
Assembly connections	Tie rods	Gluing	Spacers	Spacers
Weight (kg/m ²)	8	6.5	10	14
Min./Max. operating temperature; C (F)	-40/60 (-40/140)	-40/60 (-40/140)	-40/60 (-40/140)	-40/60 (-40/140)
Breakthrough velocity; m/s (ft/s)	4,0 (13.1)	5,7 (18.7)	4,8 (15.7)	4,8 (15.7)
Profile max. length; mm (ft)	4.200 (13.8)	3.600 (11.8)	4.000 (13.1)	4.000 (13.1)
Profile height; mm (in.)	146 (5.75)	146 (5.75)	180 (7.1)	180 (7.1)
Typical drift panel width; mm (in.)	460 (18.1)	300 (11.8)	450 (17.7)	500 (19.7)
Max. distance between supports; mm (in.)	2.1 (0.08)	1.2 (0.05)	3.1 (0.12)	3.1 (0.12)
Typical drift loss (%)	0,01	0,001/0,0005	0,001/0,0005	0,0005

Notes:

1. Minimum temperatures as low as -40C (-40F) can be achieved by means of special additives into the raw material.
2. For PP, maximum operating temperature is 80C (176F).
3. The efficiency of drift eliminators is based on the constant air velocity and assumes that drift panels are installed in accordance with the manufacturer's specifications.

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Drift eliminator design and development

Current B&W SPIG drift eliminator designs have been developed and refined through the years based on field applications and performance testing. Prototype tests are carried out on full-scale industrial installations to provide the most accurate results.

Some components have been successfully tested at EUROVENT laboratories where the performance estimated by modeling and field tests have been confirmed.

In addition, B&W SPIG's research and development facility in Italy is equipped with the necessary tools aimed at conducting performance tests in accordance with reference international rules and standards.

Replacement components and field service

B&W SPIG provides comprehensive after sales service including training, operational support, maintenance services, and spare and replacement parts. Our quality replacement components are competitively priced and are available from a worldwide network of service locations on short notice to provide our customers with continuous and safe plant operation.



B&W SPIG's Quality, Health & Safety, and Environmental Management System is certified by



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