ENEXIO

ENERGY.
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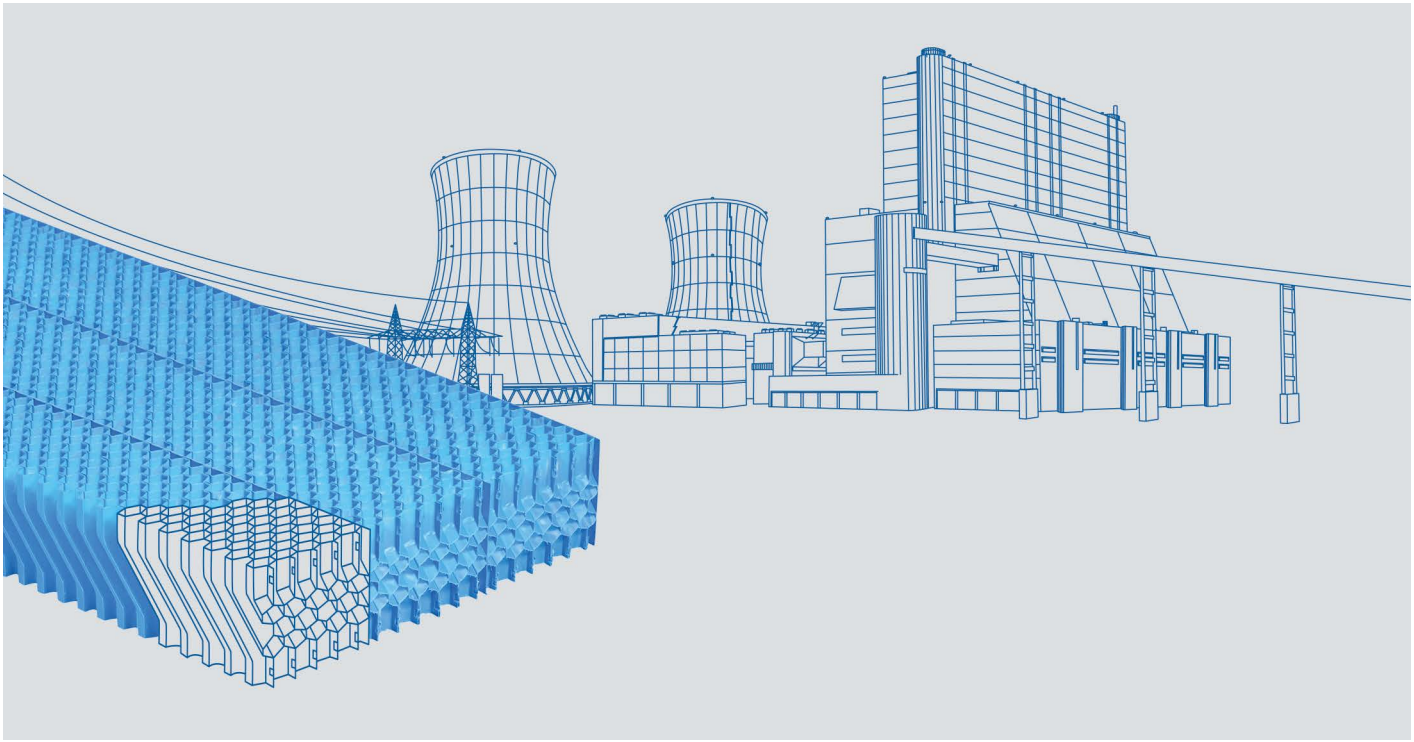
2H SANIPACKING®
DRIFT ELIMINATORS

Anti-Legionella Drift Eliminators for Cooling Towers



2H SANIPACKING® drift eliminators are made of a special antibacterial PP compound. The biocide impregnated compound disrupts the metabolic process of unwanted micro organisms at the cell wall level, thus interrupting their ability to function, grow and reproduce on the 2H SANIPACKING®.

Combined with regular maintenance and correct water treatment in the cooling circuit to prevent the formation of deposits and bacterial growth, 2H SANIPACKING® drift eliminators serve to minimize the risk of infections from legionella diseases.

Features of our 2H SANIPACKING® drift eliminators

- Prevents growth of Legionella pneumophila and other bacteria
- Durable
- High separation efficiency
- High temperature resistance (PP)
- No deformation under direct sunlight
- No brittleness or sharp edges
- Easy and economical installation
- Safe to man and the environment

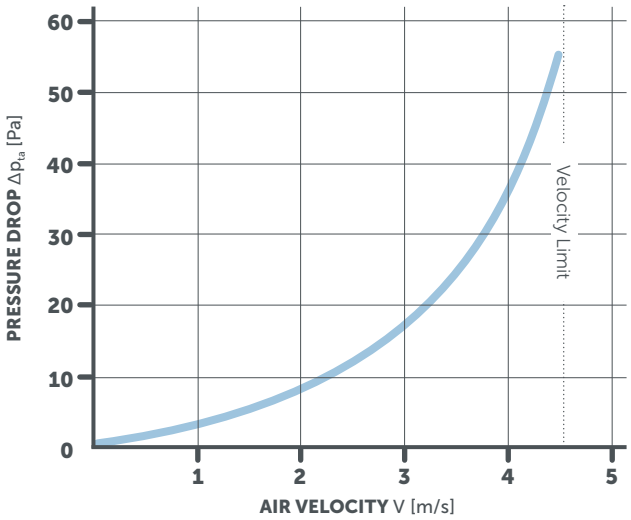
2H SANIPACKING® drift eliminators impair the growth of legionella pneumophila and other bacteria in open cooling circuits. They provide good leach and wash resistance. Under normal conditions this effect lasts for a minimum three to five years. As the fill media does not contain any heavy metals or arsenic they are safe to man and the environment.

Technical Data	
	PP
Max. length	2400 mm
Maximum width	700 mm
Height	125 or 250 mm
Weight	≈ 4 kg/m²
Continuous operation temperature	-20 – 70 °C
Max. application temp. (short term)	80 °C

Maximum tolerances:
On all dimensions +/- 20 mm or 2 % whichever is the greater. Other tolerances and dimensions by prior agreement.

Types				
Type	Material	Drift loss*	Maximum face velocity	Max. distance between supports
		%	m/s	mm
2H SANIPACKING TEP-SP 130	PP	0.0005	4.5	1000

PP-material:
Impact-resistant, environmentally friendly. Resistant to rot, fungi and most dissolved chemicals, UV-stabilized.



Pressure Drop 2H SANIPACKING® TEP-SP 130:
*These values base on the CTI ATC-140 test method (Isokinetic Drift Test Code) and EUROVENT standard OM-14-2009 and are to be understood as guideline values only. The performance of the drift eliminator is indicated by the ratio drift loss/water flow rate (in % of the circulating water volume). These guideline values base on measurements with a rain density of 20 m^3/m^2h and an approximate medium air velocity of 3 m/s. To achieve these values, an absolutely tight assembly of drift eliminator elements to each other, to the housing wall and to any openings is required. The face velocity must not be exceeded at any point of the drift eliminator.

Performance Test			
	Reference sample	2H SANIPACKING®	Average anti-microbiotic activity (R)
After 24h	2.4 x 10^6	< 10	> 5,38

2H SANIPACKING® Anti-Legionella Performance Test
To test the performance of 2H SANIPACKING® fills and drift eliminators, the Japanese industry standard JIS Z 2801 (corresponding to ISO 22196) is used. The bacteria, in this case legionella (legionella pneumophila), are applied on a 2H SANIPACKING® foil sheet and bred over 24 h. After this period, the number of living bacteria is determined and compared to an untreated reference sample. The difference of both samples is represented by a logarithmized value R.

ENEXIO Water Technologies s.r.o.
Teplicka 22, 40701 Jilove, Czech Republic
Tel: +420 412 545 465, FAX: +420 412 545 466
info@enexio-2h.cz, www.enexio-2h.cz, www.enexio.com

Management System ISO 9001:2008
TÜVRheinland ZERTIFIZIERT
www.tuv.com ID 9105070210

ENEXIO Water Technologies, Germany, is ISO 9001:2008 certified.