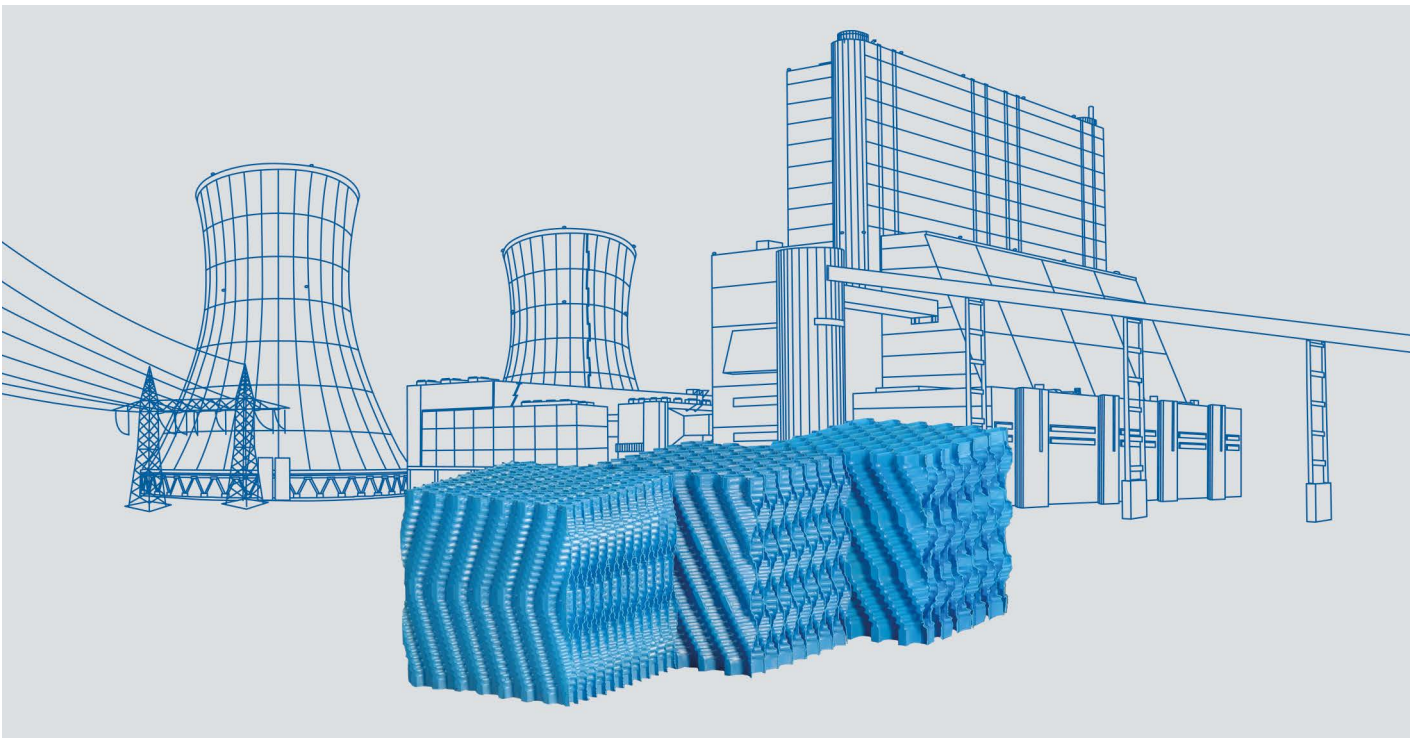


2H SANIPACKING® FILLS

Anti-Legionella Fills for Cooling Towers



2H SANIPACKING® fill media are made of a special anti-bacterial Polypropylene (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® fills serve to minimize the risk of infections from legionella diseases.

Features of our 2H SANIPACKING® Fills

- Prevents growth of Legionella pneumophila and other bacteria
- Durable
- Superior performance in heat exchange
- High temperature resistance (PP)
- High separation efficiency
- No brittleness or sharp edges
- High stability
- Economical installation

2H SANIPACKING® fill media 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 |
| Max. width | 600 mm |
| Max. Height | 300 or 600 mm |
| Continuous operation temperature* | -20 – 80 °C |
| Max. application temp. (short term)* | 90 °C |

Maximum tolerances:

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

*Depending on recipe/additives higher temperatures can be reached by HT-additives.

| Types | | | |
|------------|----------|--------------------------------|--------------------|
| Type | Material | Specific surface area | Corrugation height |
| | | m ² /m ³ | mm |
| KFP-SP 312 | PP | 240 | 12 |
| KFP-SP 319 | PP | 150 | 19 |
| KFP-SP 327 | PP | 125 | 27 |

PP-material:

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

| Performance Test | | | |
|------------------|-----------------------|-----------------|-------------------------------------|
| | Reference sample | 2H SANIPACKING® | Average anti-microbial 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.

This information has been put together with greatest care. However, any performance data given in this leaflet is subject to compliance with certain surrounding conditions and hence may vary from case to case. Further, we reserve the right to make changes at any time without notice. We strongly recommend (i) reconfirmation with us whether this information is still fully valid, before using it for final designs and (ii) to verify performance data taking into account the actual surrounding conditions. We do not take any responsibility for any consequences due to non-compliance with these recommendations.



Management System
ISO 9001:2008
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ENEXIO Water Technologies, Germany,
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