
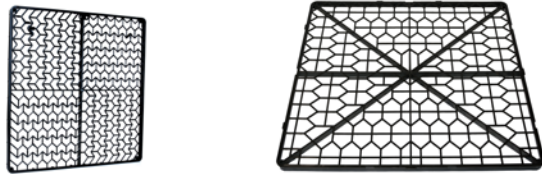
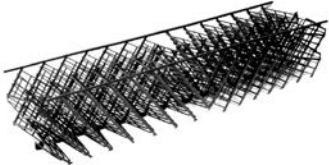



Splash Filling – Technical Data Sheet

B&W SPIG provides a wide range of splash filling components. The fill material facilitates heat transfer capability by maximizing water/air contact. Cooling towers employ plastic (PVC or PP) materials for fill, with fire retardant properties, according to ASTM E84.

Splash fill water falls over successive layers of horizontal splash bars, continuously breaking into smaller droplets, while also wetting the fill surface.

| | |
|-----------------------------|--|
| STAR 12/20/40 |  |
| HP 600 HEX A 667 |  |
| FUTURA |  |
| STAR X20 |  |

Technical Data

| | STAR 12/20/40 | STAR X20 | FUTURA | HP 600 |
|--|------------------------|-----------------|------------------|---------------------|
| Material | PP | PP | PP | PP |
| Standard dimensions L x W x H (mm) | 1200 x 307 x 600 | 910 x 300 x 450 | 1200 x 300 x 300 | 600 x 600 x 22 |
| Unit dry weight (kg) | 14/11/8 | 5 | 2.4 | 0.51 |
| Min./Max. operating temperature (C) | -40/80 | -40/80 | -40/80 | -40/80 |
| Assembly connections | PP Connectors/Tie rods | Clips/Tie rods | Clips | Wire/Support/Spacer |

Notes:

Minimum temperatures as low as -40C can be achieved by means of special additives into the raw material.

continued ▶

Splash filling design and development

For optimal thermal performance and long operating life, the filling components should be properly selected, based on the fundamental parameters of the circulating water such as total suspended solids (TSS), water chemistry, cycles of concentration, and the presence of oil or grease.

The wide range of splash filling components from B&W SPIG has been developed based on extensive field experience, particularly with water which is prone to clogging, such as sea and geothermal water.

B&W SPIG's state-of-the-art film filling components are designed and tested at our innovative test chamber and laboratories. Research and development engineers conduct thermal performance tests on splash and film filling and drift eliminator tests in our research center in Italy.

The R&D facility is designed for cooling tower testing and analysis and is capable of simulating a wide range of conditions to match actual industry applications. Data collected during tests are cross-checked with relevant field performance tests and utilized in thermal performance software to update cooling tower system designs.

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



SPIG S.p.A.
Piazza San Graziano 31
28041 Arona (NO) Italy
Phone: +39 0322.245401

B&W SPIG
Babcock & Wilcox SPIG, Inc.
9988 Hibert Street, Suite 102
San Diego, California USA
92131-2480
Phone: +1 877.955.7744

www.babcock.com/spig



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