

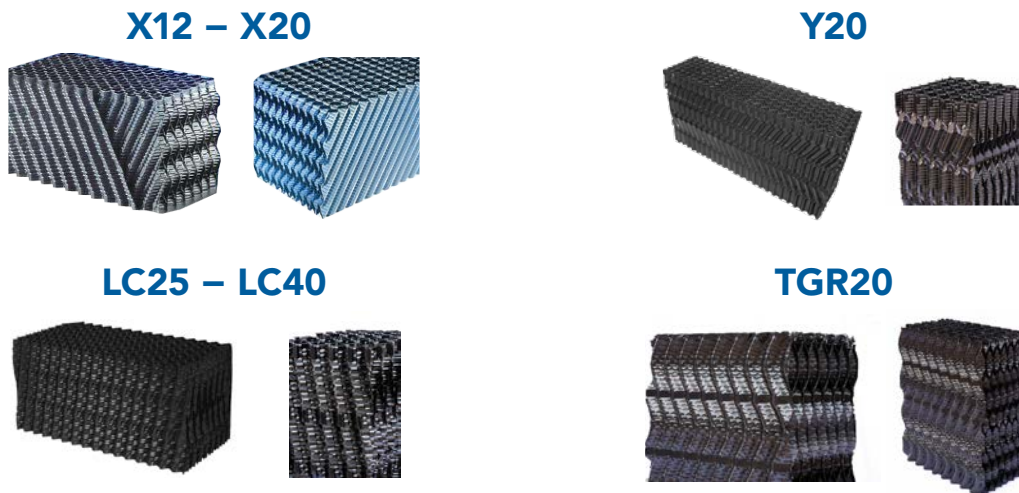
Film Fill Components for Wet Cooling Towers – Technical Data Sheet

B&W SPIG wet cooling system film fills turn water droplets produced by distribution nozzles into a thin film for highly efficient cooling by producing a large area for effective heat transfer and evaporation.

Film 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 LC type (low clog) has been developed by B&W SPIG to achieve the best compromise between high performance and particularly dirty process water.



Technical Data

	X12	X20	Y20	LC25	LC40	TGR20
Material	PVC/PP	PVC/PP	PVC/PP	PVC	PVC	PVC
Width of channel (mm)	12	20	20	25	37	20
Slope of channel (°)	30	30	0/25	~10	10	0/25
Thickness of material (µm)	260 – 380	280/400	300/500	380/500	420/500	300/500
Specific area (m ² /m ³)	240	145	148	112	86	142
Min./Max. operating temperature (C)	-40/55	-40/55	-40/55	-40/60	~40/55	~40/55
Standard block dimension L x W x H (mm)	up to 2.400 x 300 x 150/300/600		up to 3.000 x 500 x 300/600			
Connection of film sheet to blocks	Gluing/Welding		Gluing / thermo-welding		Gluing	

Notes:

1. Minimum temperatures as low as -40C can be achieved by means of special additives into the raw material.
2. For PP, max. operating temperature is 80C.
3. Different thickness range is available.

continued ►

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



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