





# BIOGILL PRODUCT GUIDE

	BioGill® Media	BioGill® Tower	BioGill® Rapid	BioGill® Ultra
				
<b>Product Overview</b>	Nano-ceramic media, known as "gills".	Attached growth, above-ground bioreactor for secondary/biological stage of the treatment train.	Packaged biological system with built-in, internal piping, recirculation tanks and pumps.	A complete "plug & play" containerized biological treatment system.
<b>Ideal Applications</b>	Attached growth media supplied for customized projects.	Small scale Food & Beverage producers such as breweries and wineries with low volume, high BOD wastewater. Small scale municipal and decentralized sewage systems. Performance boost to septic systems and existing WWTP.		Small-medium Food & Beverage such as breweries and wineries with larger volume, high BOD wastewater. Small-medium sewage systems.
<b>Features</b>	Ideal for custom projects.	Smallest scalable unit. Versatile to fit tight spaces or to be raised on platforms to reduce footprint. Ideal for adding capacity to existing treatment processes.	Continuous flow treatment system. Modular and scalable - can be configured to provide single or dual stage treatment within one unit. Multiple units can be combined for additional treatment stages.	Stand-alone, container-sized system with built-in dual treatment stages. Ten internal BioGill cartridges. UltraClean automated cleaning system. Angled floor for easy sludge removal.
<b>Gill Surface Area per unit</b>	Made to order.	2474ft <sup>2</sup>   230m <sup>2</sup>	4520ft <sup>2</sup>   420m <sup>2</sup>	17,760ft <sup>2</sup>   1,650m <sup>2</sup>
<b>Dimensions</b>	Width 3.28ft (1m) with length made to order.	88.7"(H) x 45.47"(L) x 45.47"(W) 2252mm(H) x 1155mm(L) x 1155mm(W)	87.8"(H) x 88.6"(L) x 57.4"(W) 2230mm(H) x 2250mm(L) x 1460mm(W)	7.12'(H) x 18.57'(L) x 7.19'(W) 2170mm(H) x 5655mm(L) x 2190mm(W)
<b>Inclusions</b>			Recirculation Pump   Control Box	Recirculation Pump   Control Box   UltraClean   PLC
<b>Optional Add-ons</b>		Stand   Recirculation Pump   Recirculation Tank	Remote Monitoring   Circulation Tank Heating Element	Remote Monitoring   Circulation Tank Heating Element
<b>Optional Packaged Solution Add-ons</b>				
<b>Primary:</b> Screen   Feed Pump   pH Controller   PLC		•	•	•
<b>Clarification:</b> Clarifier   Sludge/Effluent Pump   PLC			•	•
<b>Environmental:</b> ClimateControl   Winterized   Control Box   PLC			•	•
<b>Brewery Wastewater Treatment Example: BOD influent 4,000mg/L to BOD effluent &lt;300mg/L, 86°F   30°C*</b>				
		<b>Typical Project: 1-6 Towers</b> 265 - 3,200gal/day 1 - 12m <sup>3</sup> /day	<b>Typical Projects: 1-6 Rapids</b> 660 - 6,360gal/day 2.5 - 24m <sup>3</sup> /day	<b>Typical Projects: 1-3 Ultras</b> 3,300 - 15,900gal/day 12.5 - 60m <sup>3</sup> /day

\*Estimated performance range guide only. Actual performance is determined by site specific factors and may vary. For detailed system sizing, please contact your authorized BioGill Distributor.

## For additional information please contact:

Americas | E: [infoamericas@biogill.com](mailto:infoamericas@biogill.com) APAC | E: [infoapac@biogill.com](mailto:infoapac@biogill.com) China | E: [infochina@biogill.com](mailto:infochina@biogill.com)

Case studies and technical reports are available at [www.biogill.com](http://www.biogill.com)

© BioGill Operations Pty Limited March 2018 Version 1.1. Patented technology. All rights reserved. BioGill® Tower, BioGill® Rapid and BioGill® Ultra are trademarks of BioGill Operations Pty Limited or one of its subsidiaries.

