



G&G TECHNOLOGIES, INC.

G&G TECHNOLOGIES, INC. INTRODUCES THE

# G2 VERSAFLOW

PUMP FOR HAZARDOUS SPACES AND CLEANROOMS

COMPLIES WITH:



## An Intelligent and Versatile Pump for the Life Sciences

Introducing the G2 VersaFlow Pump. A cutting-edge solution by G&G Technologies, this modular pump redefines the capabilities of pumps in Life-Sciences settings. Boasting a modular design, it accommodates an array of peristaltic, diaphragm, centrifugal, and gear pump heads for maximum adaptability. Engineered for HazLoc, ATEX, or general manufacturing space, users will appreciate the versatility of the G2 VersaFlow.

The G2 VersaFlow integrates with a variety sensors and peripherals for unmatched process monitoring and control. An on-board data logging system provides valuable operational insights. See how a VersaFlow Pump system can address your fluid handling challenges.



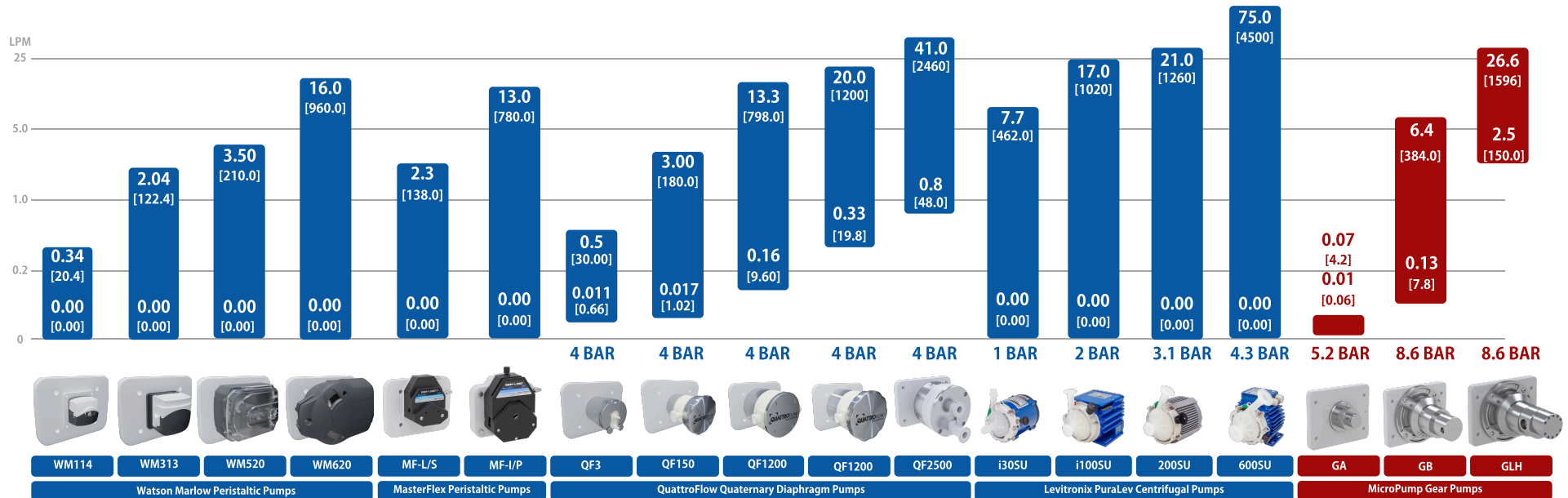
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# Interchangeable Pump Head Modules

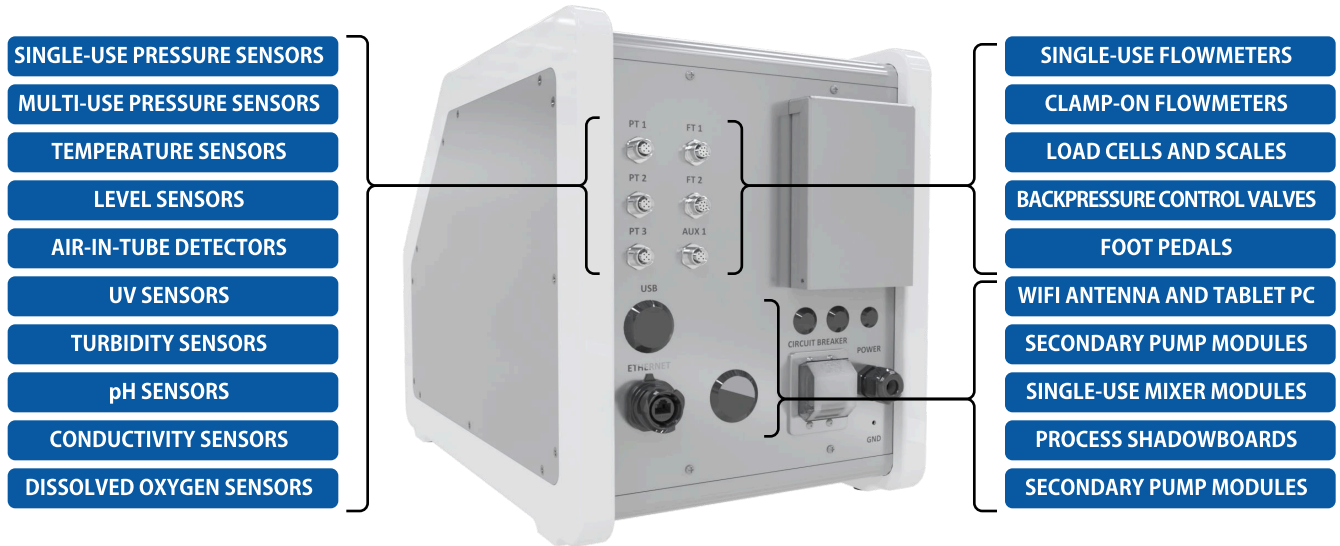
The G2 VersaFlow Pump takes a universal approach to fluid transfer. A wide array of popular pumps are available as interchangeable modules which can be swapped in the field with minimal tooling. This industry leading versatility maximizes return on investment by eliminating the need for multiple pump systems from different manufacturers in one package. The VersaFlow Pump offers a performance range from zero-flow up to 75 liters per minute.

PUMP FLOW RATES L/min [L/hr]



# G2 VersaFlow Sensors and Peripherals

Customize your process with the G2 VersaFlow Pump system. Its adaptable design supports a wide range of sensors and peripherals, allowing you to meet your specific needs. Compatible with both single-use and multi-use sensors, and featuring an intelligent, programmable logic controller with a user-friendly touch-screen HMI, the G2 VersaFlow seamlessly integrates with a variety of peripherals to unlock advanced processing capabilities.



DIGITAL INPUTS	DIGITAL OUTPUTS	ANALOG INPUTS	ANALOG OUTPUTS
FIELDBUS PROTOCOLS	SERIAL PROTOCOLS	ETHERNET BASED PROTOCOLS	IO-LINK



## Designed for Single-Use Applications in Hazardous Spaces

The VersaFlow Pump addresses a critical need in the Single-Use Market: use in classified hazardous locations in the United States and Internationally. Featuring an integrated purging system and rated components, the VersaFlow pump is suitable for use in Division 2 and Zone 2 classified hazardous spaces. This approach maintains an IP 54 rating while pressurized, meeting standards and expectations for the life science industry.



## G2 VersaFlow Process Shadow Boards



Streamline your bioprocessing with our innovative Process Shadowboards. These pre-configured, bolt-on units attach directly to the VersaFlow pump, providing an organized and efficient platform for your critical processes. Each shadowboard is populated with the necessary sensors, valves, and filter holders, optimized for minimal hold-up volume and ease of assembly. By consolidating your setup, our Process Shadowboards significantly reduce benchtop clutter and simplify process development. Available for a range of applications, including tangential flow filtration (TFF), lipid-nanoparticle (LNP) mixing, and depth filtration. These modular systems offer a flexible and space-saving solution for your unique process needs.



# G2 VersaFlow Mixers



## G2 VersaFlow Pump System

Single-Use Bag Holder

Load Cells

Mag Lev Mixer

pH Probe

Conductivity Probe

Temperature Probe

Dissolved Oxygen Probe

Dosing Pump



Maximize your process efficiency with the G2 VersaFlow Mixer Package. This single-use mixing solution seamlessly integrates with the G2 VersaFlow Pump, offering complete control over your mixing and pumping operations. Monitor a wide range of parameters (weight, pH, conductivity, temperature, DO, mixing load, pump speed, and more) and easily manage fluid transfer. Our high-quality, ISO-compliant single-use bags (5-layer, 325-micron film, USP Class VI and ISO 10993 compliant) are manufactured in an ISO Class 7 facility and offer customizable options for fittings, ports, sensors, and mixers. Select from 316 stainless steel vessels (single-wall or jacketed) to meet your specific process requirements.

Description	Vessel Size			
	20L	50L	100L	200L
<b>Materials of Construction</b>				
Tank	304L Stainless Steel 316L Stainless Steel (Optional)	304L Stainless Steel 316L Stainless Steel (Optional)	304L Stainless Steel 316L Stainless Steel (Optional)	304L Stainless Steel 316L Stainless Steel (Optional)
Casters	304L Stainless Steel Polyurethane	304L Stainless Steel Polyurethane	304L Stainless Steel Polyurethane	304L Stainless Steel Polyurethane
<b>Dimensions</b>				
LxWxH Single Wall	12"x12"x30" (305 x 305 x 762 mm)	15"x15"x40" (381 x 381 x 1017 mm)	18"x18"x45" (457 x 457 x 1143 mm)	23"x23"x52" (585 x 585 x 1320 mm)
LxWxH Jacketed	14"x14"x30" (355 x 355 x 762 mm)	18"x18"x40" (457 x 457 x 1017 mm)	21"x21"x45" (533 x 533 x 1143 mm)	25"x25"x52" (635 x 635 x 1320 mm)
Minimum Working Volume	1L	2.5L	5L	10L
Maximum Jacket Pressure	150	150 psi	150 psi	150 psi
Heat Transfer Area	3.7 sq ft 0.3 sq m	6.8 sq ft 0.6 sq m	10.7 sq ft 1.0 sq m	17 sq ft 1.6 sq m
Operating Temperature	4-60 deg C (Non Condensing Environment)	4-60 deg C (Non Condensing Environment)	4-60 deg C (Non Condensing Environment)	4-60 deg C (Non Condensing Environment)

