

Pursuing Durability & High-Efficiency GASTORR Degassing Unit

New in-line degasser

Dedicated models that are suitable for fluorine-based solvents, including analytical models that minimize complications using a self-cleaning function





BG-44-02

FLOM's fourth generation analytical degasser is a low-cost, high-efficient degassing unit. AG-40 series and our large-capacity BG-40 series are now available.

Degassing Unit

for Analytical

AG-40 uses Teflon[™] AF for the vacuum tubing. The auto cleaning function prevents liquefaction of solvent left inside the vacuum chamber to protect the vacuum pump from deterioration.

BG-40 uses a real time organic EL display/OLED to show vacuum levels with ease.

Degassing Unit for Fluorine-based Solvents

Corrosion problems caused by fluorine-based solvents are resolved with FLOM's vacuum tube structure and technology. The self-cleaning function keeps moisture under control making this unit an exceptionally durable degasser.



FG-42



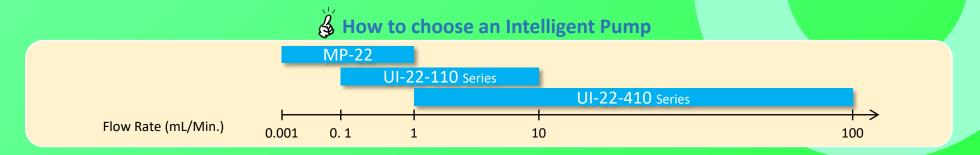
150 150 · ··· (· ···· () Q +2+ Q PG-41P PG-42P

Degassing Unit for Semi-Prep Scale

A degassing device for preparative work that supports a flow rate of 50 mL/Min. Using FLOM's unique vacuum tube structure to ensure degassing of the solvent. This unit has a self-cleaning function which prevents vacuum pump deterioration and a vivid real time organic EL display/OLED display of vacuum levels.

Low Pulsation Continuous Flow with Ease of Use Intelligent Pump

Pumps are equipped with an intelligent control function that detects a small amount of pressure change during liquid delivery and regulates pulsating flow! High-precision continuous liquid delivery is made possible with simple operation.



MP-22



MP-22-110S

Intelligent Micro Pump

This is a check valve-less design for low pulse control under low flow rates. We developed a linear drive mechanism with a switching valve and a small mechanical operating load. Stable liquid delivery can be achieved at a low flow range. In addition to the highly accurate liquid feed performance that can be set from 0.1 uL/Min. This pump is equipped with an auto-prime function at the touch of a button.

MPa on +	Flow rate	: 50µl	./min,	Bool	k press	ure : 1	.2MPa,	Test	solven	t : Mel	hanol			
.00	_													
		_									_	 	 	_
.00														

Measurement data of pressure during MP-22 continuous operation

UI-22

Our compact linear drive plunger pump is popular worldwide. There are two types of flow rate ranges and three types of pump head materials to choose from. User friendly and designed for high-performance, allows not only continuous liquid delivery at low pulse flow, but also liquid delivery mode can be selected according to the application

Intelligent Pump

in <mark>use</mark> .							
	Selectable Flow Modes	Pulsation Data	Conditions for Use				
	Performance Mode	nie winde with the standard with the standard	When flow is stable without causing air bubbles (Ex. Combination of using with degassing units).				
	Easy Mode		When a small amount of air bubbles are appeared and when high viscosity solvent was ran (without use of degassing units).				
	Mixing Q Mode		When the backpressure is completely stable and when several pumps are connected at the outlet flow line.				



UI-22-110S

FLOM

Non-contact liquid level sensor Sonic Reservoir Sensor

A unique liquid volume sensor that uses sound waves. Depletion of solvent bottles and overflow of waste tanks

<mark>SR-13</mark>





MICRO PHONE

SPEAKER

Sonic Reservoir Sensor

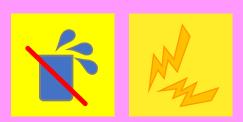
Resonates the sound in the bottle/tank to detect the fluid level



Easy installation! Detection starts automatically with just plugging the sensors.



The liquid level is readily visible in a four-step LED light.



Buzzer sound notifies before causing lack of solvent or waste's overflow.

RS-232C (Remote control optional interface)

To meet the needs of product development and if your product specifications call for a liquid level monitoring function, our communication sensor interface can be added to allow **data measurement of the remaining liquid in 1% units**. The data is conveniently transmitted to your software.

FLOM

More than six hundred types Automatic / Manual Switching Valves

We offer various flow path patterns with excellent chemical resistance, high pressure resistance, and durability.



— Auto Valve Unit



VA-21-601

Easy to use with only two buttons, you can switch the flow path simply and reliably. A compact design that allows installation virtually anywhere. The valve adopts the V600 series that has been completely improved. (23 types in total)

The wetted materials can be selected from stainless steel and PEEK resin, and the maximum withstand voltage is ~ 40MPa (~ 5800psi). It is up to five times more durable than conventional products.

Compact Manual Valves Manual Valves

We have a large number of small valves that are perfect for all your chromatography needs. For example, to easily switch the flow path in an experiment. Although it is a small size with a diameter of about 25 mm, it is a full-scale valve with a withstand pressure specification of up to 20 MPa (~ 2900psi).



	Models	V200	V201	V204	V512	V239			
	Specifications	6-port for Analytical	2 3-port for Semi-Prep	1-2 port for Analytical	1-2 port for analytical	1-2 port for Semi-Prep			
	Types of Valve	•							
	Max. Pressure	20 MPa (2900 psi)	20 MPa (2900 psi)	20 MPa (2900 psi)	30 MPa (4350 psi)	1 MPa (145 psi)			
	Wetted Materials	PEEK	PEEK	PEEK	SUS, PEEK	PEEK			
	Tubing SizesOD 1/16"Path Diameter0.6 mm		OD 1/16"	OD 1/16"	OD 1/16"	OD 3.0 mm or 1/8" 1.0 mm			
			0.6 mm	0.8 mm	0.8 mm				
	Thread Size	No. 10-32 UNF	No. 10-32 UNF	No. 10-32 UNF	No. 10-32 UNF	1/4-28 UNF			