LineUP Flow EZ™

Flow controller for pressure based fluid control

INTRODUCTION

The **Flow EZ™** is the most advanced system available for **pressure based flow control**. The compact device stands alone near the microfluidic setup, allowing the user to **minimize bench space use** without the need of a PC. Be operational and **generate data rapidly**.

Easy to use

Control with or without a PC

Modular & Adaptable

Intuitive software including SDK for customized applications

Compact

PRESSURE RANGES

Part number	Pressure range	Required pressure supply
LU-FEZ-0025	**0 to 25 mbar** (0 to 0,36 psi)	150 mbar (0,22 psi)
LU-FEZ-0069	**0 to 69 mbar** (0 to 1,0 psi)	
LU-FEZ-0345	**0 to 345 mbar** (0 to 5,00 psi)	1100 mbar (15,95 psi)
LU-FEZ-1000	**0 to 1000 mbar** (0 to 14,50 psi)	
LU-FEZ-2000	**0 to 2000 mbar** (0 to 29,01 psi)	2100 mbar (30,46 psi)
LU-FEZ-7000	**0 to 7000 mbar** (0 to 101,5 psi)	7100 mbar (103,0 psi)
LU-FEZ-N025 *	**0 to -25 mbar** (0 to -0,36 psi)	-800 mbar (-11,6 psi)
LU-FEZ-N069 *	**0 to -69 mbar** (0 to -1,0 psi)	
LU-FEZ-N345 *	**0 to -345 mbar** (0 to -5,00 psi)	
LU-FEZ-N800 *	**0 to -800 mbar** (0 to -11,6 psi)	

* For negative version of the Flow EZ™, Prevent any liquid from entering the device. A backflow filter or liquid trap reservoir can be used to avoid liquid flowing into pneumatic tubing.
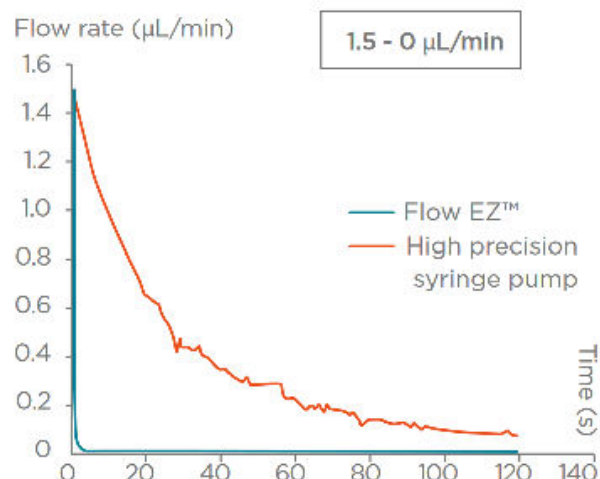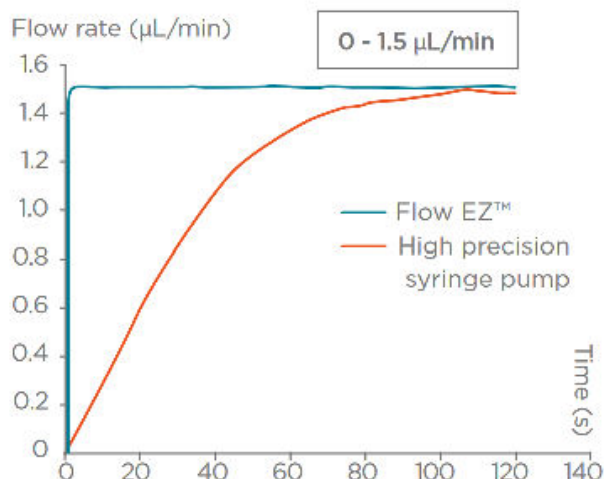
For additional information, contact us by email : contact@fluigent.com or consult our website : www.fluigent.com

SPECIFICATIONS

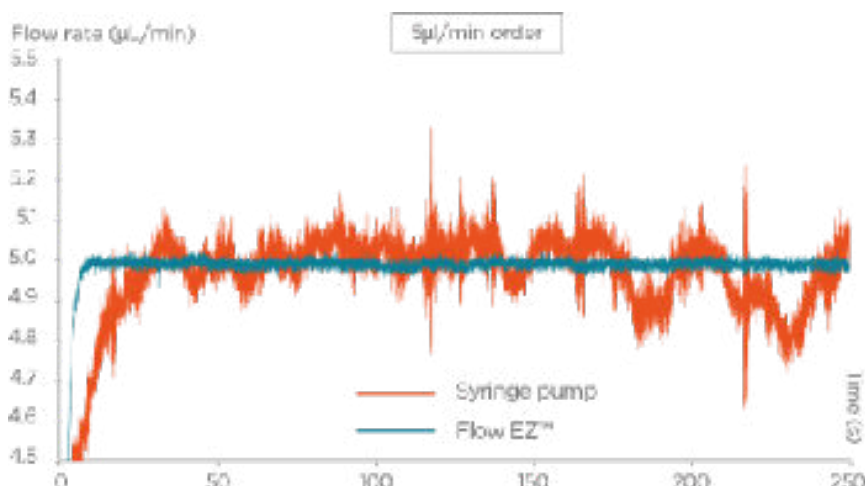| Performance	
Step	0,03% FS (at full scale)
Precision	0,1% on the measured value (effective beyond 10% of the maximum pressure)
Hardware specifications	
Dimensions L*W*H	91,9 * 71,8 * 131 mm
Weight	634 g
Electronical specifications	
Power consumption	6 W
Chemical compatibility	
Gas compatibility	Dry, oil-free gas, air (N_2, O_2, CO_2), any non corrosive or non explosive gas
Liquid compatibility	Aqueous solvent, oil, organic solvent, biological sample
Software compatibility	
Fluigent software	OxyGEN
	Software Development Kit (SDK)
Firmware compatibility	Link module: v3.51 Flow EZ™ module: v5.51 or v3.61*

*If you have older version and facing some issues please contact us at support@fluigent.com to for an update of your Link or Flow EZ™ module.

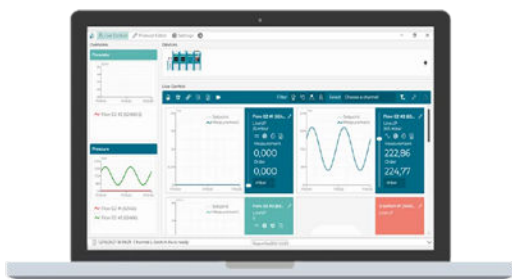| Features	FLUIGENT Flow EZ™	Other Pressure-Based Solutions	Syringe Pumps
Free standing (no PC needed)	✓	✗	∼
Modular & expandable	✓	✗	∼
Short response time	✓	∼	✗
Pulseless flow	✓	✓	✗
Control & monitor display	✓	∼	∼
Very low gas consumption	✓	✗	NA
Compact	✓	∼	✗

RESPONSE TIME

PRESSURE STABILITY

SOFTWARE COMPATIBILITY

The **LineUP series** modules are compatible with **Fluigent's** newest software applications:

- **OxyGEN**: Complete interface to easily control, monitor, record data and automate time based protocols for all Fluigent instruments.

- **Software Development Kit**: Integrate Flow EZ™ seamlessly in existing applications. Available in C++, Labview, Matlab, Python, etc.