



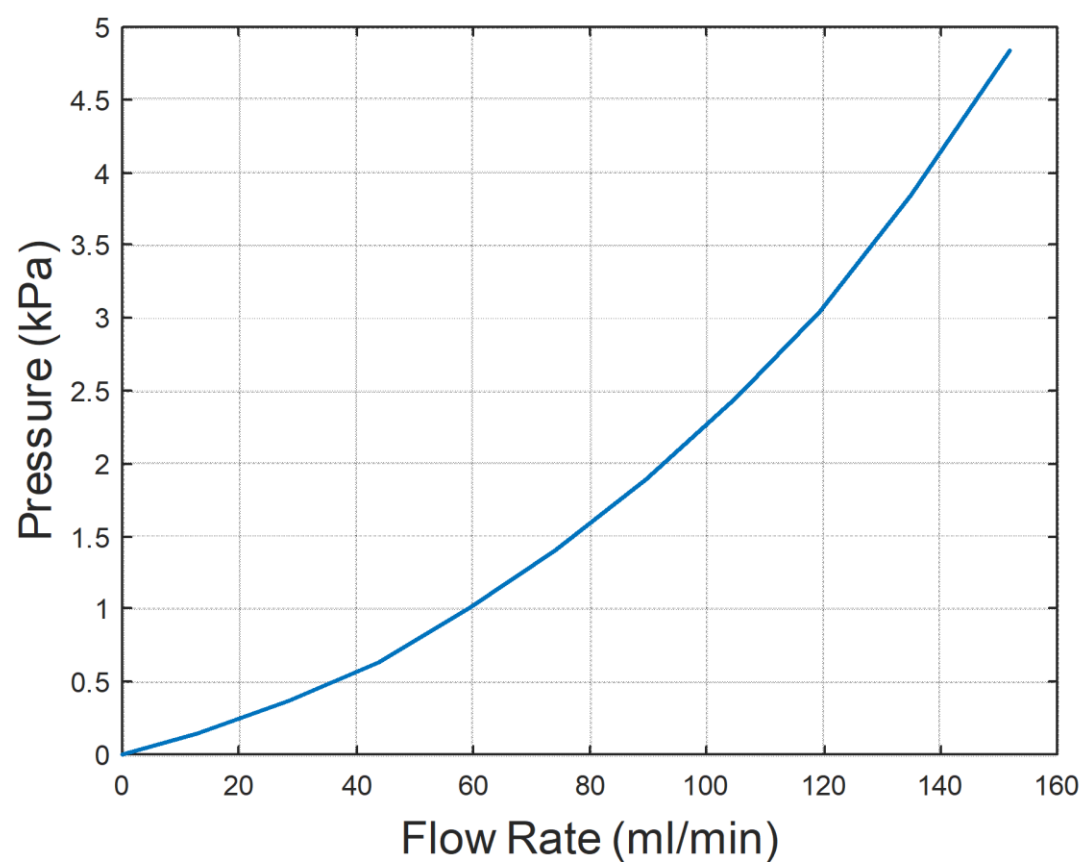
Stokes Microfluidics



MLV 0.8

Technical Data for the **MLV0.8**

Technology	Electromagnetic
Power for latch	4.2 W
Energy per latch	55 mJ
Pressure Drop	2.4 kPa @100 ml/min
Dimensions	21.5 x 7.6mm (excluding connector)
Volume	0.8 cm ³
Weight	5.4g
Wetting surface	316 SS, Si ₃ N ₄ & Nitrile.
Maximum Latching Pressure P	50 kPa
Lifetime	100,000 cycles
Operational temperature	-30 – 90 °C
Driver	H-Bridge driver – PmodHB3
Fluidic connector	Cone, 3.5 mm outer diameter, 4mm in length ³
Electric connector	Male RE 2 pin JST (2.54 mm pitch)
Medium	Liquid or Gas
Maximum internal pressure	100 MPa



MLV0.8 pressure drop as a function of flow rate