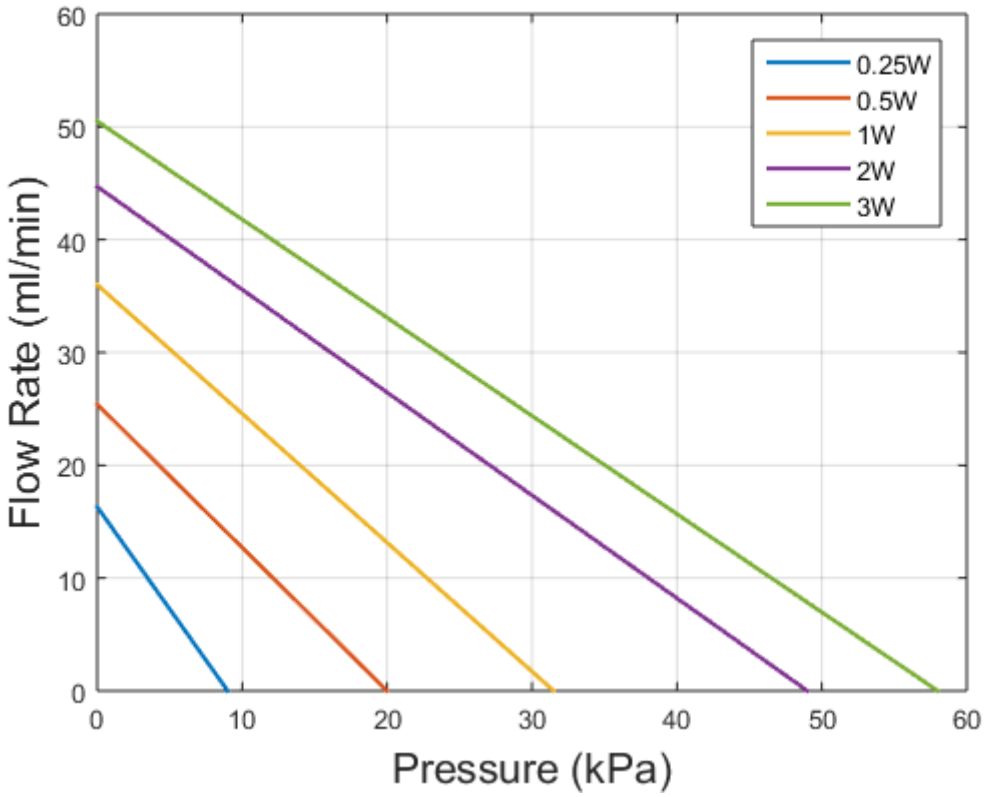
Stokes Microfluidics

MSP0.8

Technical Data for the **MSP0.8**

Technology	Electromagnetic
Power	100 mW → 3 W[1]
Dimensions	21.5 mm x 7.6mm (excluding connector)
Volume	0.8 cm^3
Weight	5.4g
Wetting surface	316 SS & Si_3N_4 (Standard) or Titanium.
Maximum flow rate Q (ΔP = 0)	36 ml/min @ 1W
Maximum Pressure P (Q = 0)	31 kPa @ 1W
Lifetime	30,000 hr[2]
Operational temperature	-65 – 125 °C
Driver	EMD type 1 or EMD type 2
Fluidic connector	Cone, 3.5 mm outer dimeter, 4mm in length[3]
Electric connector	Male RE 2 pin JST (2.54 mm pitch)
Medium	Liquid
Self-priming	Yes[4]
Maximum internal pressure	100 MPa

1: Maximum 3W continuous use, 5 W in short burst <30s
2: Continuous 3W, room temperature, Water.
3: Recommended fluidic tubing:
4: Self priming at < 20 Kpa differential pressure



Pressure Flow-rate characteristics at 0.25, 0.5, 1, 2 & 3 W