

The range of Micro Needle Valves has been designed primarily for fine control of critical gas or liquid flows at elevated temperatures over a wide range of pressures from high vacuum to medium pressure. They are ideally suited to chromatography and GC/MS applications.

Features

- For precision metering and on-off control
- Valves designed specifically for chromatographic applications.
- Used at elevated temperatures from high vacuum to medium pressure.
- Minimal dead volume flow paths.
- All installation components are supplied with the valves.

Metering Valves (Manual Operation)

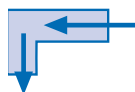
Stainless Steel Micro Control Valves (MCV) - Manual operation



- High temperature metering valves (300°C)
- L or T configuration
- Locknut for attachment to a mounting plate
- Metering handle must be external to the oven

Configuration	Stem Length	Connection	Temp. Rating	Recommended for Vacuum	Pressure Rating	Flow Rate	Valve Code	Part No.
'L' Single Outlet	50 mm	1/16" x 1/16"	300°C	Yes	700psi	0-2000mL/min	MCV	1236012
'L' Single Outlet	100mm	1/16" x 1/16"	300°C	Yes	700 psi	0-2000mL/min	MCV	1236020
'T' Dual Outlet	50 mm	1/16"x1/16"x1/16"	300°C	Yes	500psi	0-2000mL/min	MCVT	1236032

Brass Micro Control Valves (BMCV) - Manual operation

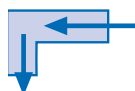


- Back pressure regulator
- Low temperature to 100°C
- Locknut for attachment to a mounting plate

Configuration	Stem Length	Connection	Temp. Rating	Recommended for Vacuum	Pressure Rating	Flow Rate	Valve Code	Part No.
Single Outlet	n/a	1/16"	100°C	No	500psi	0-2000mL/min	BMCV-1	1236282
Dual Outlet	n/a	1/16"	100°C	No	500psi	0-2000mL/min	BMCV-A	1236281

On-Off Valves (Manual Operation)

Stainless Steel Manual On/Off Valve (SMOV) - Manual Operation



- On/off gas regulator
- Low temperature 100°C

Configuration	Stem Length	Connection	Temp. Rating	Recommended for Vacuum	Pressure Rating	Flow Rate	Valve Code	Part No.
Single Outlet	n/a	1/16"	100°C	No	400atm	n/a	SMOV	1236283

On-Off Valves (Pneumatic Operation)

Stainless Steel Manual On/Off Valve Pneumatic (MOVPT) - Pneumatic Operation



- Pneumatic control On/Off valve
- Gas regulator for cold traps
- High temperature 300°C
- Locknut for attachment to a mounting plate
- Pneumatic head (black) must be external to oven

Configuration	Stem Length	Connection	Temp. Rating	Recommended for Vacuum	Pressure Rating	Flow Rate	Valve Code	Part No.
'L' Single Outlet	50 mm	1/16" x 1/16"	300°C	Yes	500psi	n/a	MOVPT	1236091
'T' Dual Outlet	50 mm	1/16"x1/16"x1/16"	300°C	Yes	500psi	n/a	MOVPT	1236103
'T' Dual Outlet	100 mm	1/16"x1/16"x1/16"	300°C	Yes	500psi	n/a	MOVPT(L)	1236104