

THE BENCHMARK IN HOT RUNNER PERFORMANCE AND RELIABILITY

Proven to deliver consistent high performance processing capabilities for exceptional part quality. Compatible with a wide range of resins, Master-Series is the ideal choice for almost any application across any industry.

KEY FEATURES

MASTER-SERIES NOZZLES

- Industries broadest nozzle range.
- Excellent thermal profile (10% Max Variation*).
- Enhanced process repeatability.
- Scrap reduction.

BRAZED HEATER TECHNOLOGY

- Full heater contact optimizes heat transfer.
- Superior system thermal balance.
- Exceptional reliability minimizes downtime.
- Eliminate spare heater costs.

iFLOW MANIFOLD TECHNOLOGY

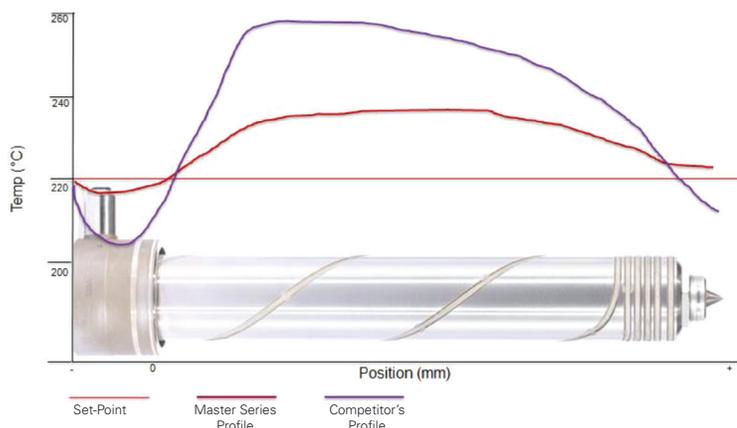
- Best in-class melt management.
- Industry leading mold balance.
- Rapid color change performance.
- Extensive flexibility for design optimization.
- Patented melt flow geometry, flow path options and runner shapes.

ENERGY EFFICIENT

- Up to 27% (avg.) lower power consumption than competitive systems.



Available**



*Based on internal bench test results. Actual results may vary.

**Please speak to a MM representative for complete warranty details. Some conditions and/or limitations apply. Subject to change without notice.

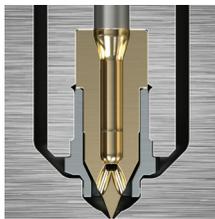
SPECIFICATIONS

NOZZLE RANGE		FEMTO-LITE	FEMTO	PICO	CENTI	DECI	HECTO
Shot Size* (g)		<1 – 5	5 – 10	10 – 20	15 – 50	50 – 500	500 – 3,500
Runner Ø	Non-Valved (mm)	3.5	5	5	6	8	12
	Valved (mm)	4	6	7	8	11	16
Min Pitch†	Non-Valved (mm)	19	22	28	31	39	51
	Valved (mm)	26	26	28	31	45	51
Bore Cut-Out Ø (mm)		12	16	22	26	32	42
Total Length Range (mm)		57-237	57-222	51-211	52-212	68-248	80-480

*Application dependant. †Standard designs. Tighter pitches may be possible. Please consult MM regarding your application

AVAILABLE GATING STYLES

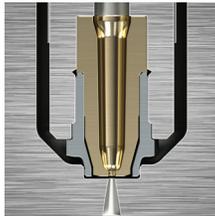
NON-VALVED



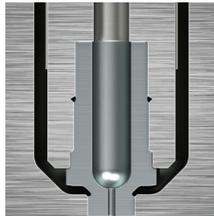
E-Type Torpedo
(+Extended)



F-Type Torpedo
(+Extended)



Bi-M C-Sprue

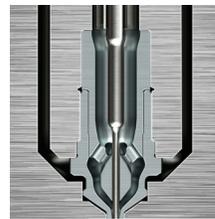


Hot Sprue (+Extended)

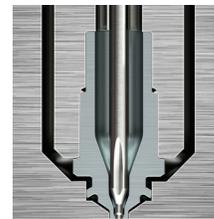
VALVED



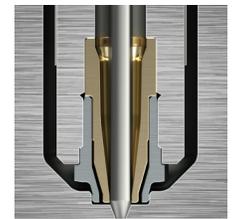
Accu-Valve MX



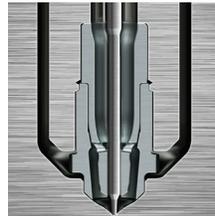
Accu-Valve GX



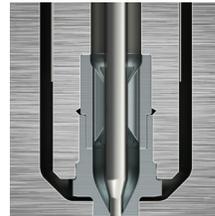
Cyl. Hot Valve - CP



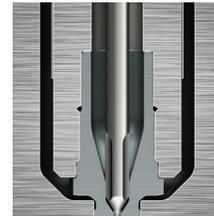
Bi-M C-Valve



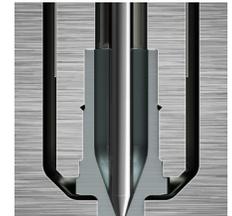
Accu-Valve CX



Cyl. Hot Valve



Cyl. Hot Valve - LX



Hot Valve

ADVANCED CAPABILITIES

- High cavitation
- Tight pitch
- Inside gating
- Side gating
- Multi-tip
- Stack molds
- Multi-material



ACTUATION OPTIONS

STANDARD

- Hydraulic Cylinder
- Pneumatic Cylinder

ADVANCED

- **SeVG+** (Servo electric Valve Gate)
- **Synchro Plate** (Electric/HY/PN)
- **SVG** (Sequential Valve Gate – HY/PN)



TempMaster™ series

To ensure your mold operates at peak performance and delivers ultimate process control, Mold-Masters recommends using TempMaster controllers with all Master-Series Hot Runner systems. Unlock your operations full potential with TempMaster.