

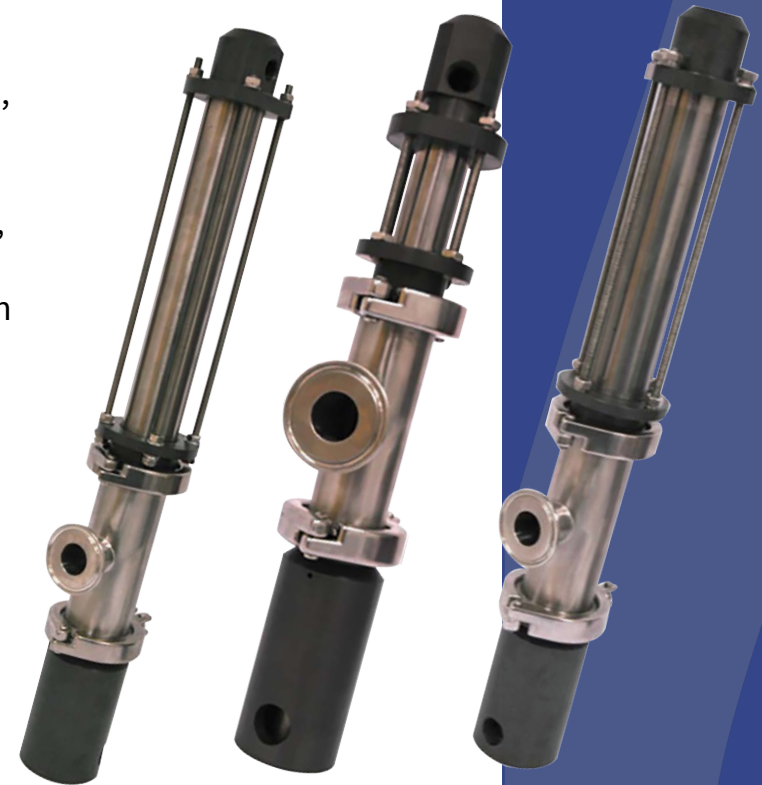
M Series Progressive Cavity Pumps

Fluid Research's M series progressive cavity pumps provide the highest precision and reliability in delivering small quantities. These pumps are ideal for use in food and pharmaceutical applications as well as industrial, single component material in automation and robotic delivery systems.

This pump delivers precise quantities of material accurately, consistently, and reliably. It is particularly suited for low to high viscosity materials, abrasive materials, and chemically aggressive materials. All delivered with very low shear due to the progressing cavity rotor-stator design and function.

APPLICATIONS

- Dots, beads, lines, filling, metering, encapsulating, and gasketing
- Used for epoxies, silicones, urethanes, sealants, and adhesives
- Slurries, pastes, and syrups in food and pharmaceutical industries
- Low to high viscosity materials
- Abrasive and chemically aggressive materials



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SPECIFICATIONS*

	M-4-0.03	M-4-0.05	M-4-0.15	M-4-0.3	M-4-0.6	M-4-1.5	M-4-3.0	M-4-6.0	M-4-12.0	M-4-25.0
Displacement Volume	0.03 ml per revolution	0.05 ml per revolution	0.15 ml per revolution	0.29 ml per revolution	0.56 ml per revolution	1.60 ml per revolution	3.00 ml per revolution	6.00 ml per revolution	12.00 ml per revolution	25.0 ml per revolution
Max Flow Rate	4.5 ml per min	7.5 ml per min	22.5 ml per min	58 ml per min	112 ml per min	320 ml per min	600 ml per min	1200 ml per min	2400 ml per min	5000 ml per min
Min Flow Rate	1.8 ml per min @ 10 rpm	3 ml per min @ 10 rpm	9 ml per min @ 10 rpm	2.9 ml per min @ 10 rpm	5.6 ml per min @ 10 rpm	16 ml per min @ 10 rpm	30 ml per min @ 10 rpm	60 ml per min @ 10 rpm	120 ml per min @ 10 rpm	250 ml per min @ 10 rpm
Min Dispense Quantity	0.03 ml	0.05 ml	0.15 ml	0.3 ml	0.6 ml	1.5 ml	3 ml	6 ml	12 ml	25 ml
Operation Temp	0 to 82.2 °C (32 to 180 °F)	0 to 82.2 °C (32 to 180 °F)	0 to 82.2 °C (32 to 180 °F)	0 to 82.2 °C (32 to 180 °F)	0 to 82.2 °C (32 to 180 °F)	0 to 82.2 °C (32 to 180 °F)	0 to 82.2 °C (32 to 180 °F)	0 to 82.2 °C (32 to 180 °F)	0 to 82.2 °C (32 to 180 °F)	0 to 82.2 °C (32 to 180 °F)
Material Temp	0 to 82.2 °C (32 to 180 °F)	0 to 82.2 °C (32 to 180 °F)	0 to 82.2 °C (32 to 180 °F)	0 to 82.2 °C (32 to 180 °F)	0 to 82.2 °C (32 to 180 °F)	0 to 82.2 °C (32 to 180 °F)	0 to 82.2 °C (32 to 180 °F)	0 to 82.2 °C (32 to 180 °F)	0 to 82.2 °C (32 to 180 °F)	0 to 82.2 °C (32 to 180 °F)
Max Dispense Pressure	145 psi	145 psi	145 psi	360 psi	360 psi	360 psi	360 psi	360 psi	360 psi	360 psi
Supply (input) Pressure	0 to 87 psi	0 to 87 psi	0 to 87 psi	0 to 150 psi	0 to 150 psi	0 to 150 psi	0 to 150 psi	0 to 150 psi	0 to 150 psi	0 to 150 psi
Retained Volume	2 ml	2 ml	4 ml	100 ml	100 ml	100 ml	220 ml	220 ml	300 to 400 ml	300 to 400 ml
Inlet	G 8	G 8	G 8	1 1/2" tri-clamp	1 1/2" tri-clamp	1 1/2" tri-clamp	1 1/2" tri-clamp	1 1/2" tri-clamp	1 1/2" tri-clamp	2 1/2" tri-clamp
Outlet	Male Lure	Male Lure	Male Lure	9/16 - 18 SAE	9/16 - 18 SAE	9/16 - 18 SAE	3/4 - 16 SAE	3/4 - 16 SAE	1 NPT	1 NPT
Weight	2 lbs	2 lbs	2 lbs	4.5 lbs	4.5 lbs	5.1 lbs	8.0 lbs	8.4 lbs	11.5 lbs	25 lbs

* Specifications and information is subject to change without notice.



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