

PRO-DSP DDP PUMP



Item/Model	DSP-015	DSP-050	DSP-150	DSP-500	DSP-350	DSP-1000	DSP-2500
Dimensions (WxHxD) (mm)	30X30X265	30X30X282	30X30X287	30X30X287	55X43X363	55X43X383	55X43X383
Weight	390g	390g	980g	980g	2kg	2kg	2kg
Material Supply Pressure	0~0.6Mpa						
Maximum Discharge Pressure	2.0Mpa						
Applicable Viscosity	1~1,000,000cPs						
Discharge per Revolution	0.015	0.05	0.18	0.5	0.35	1	2.5
Motor Speed	1~60rpm						
Discharge Error	±1.5%						
Stator Material	FKM						
Material Supply Port	G1/4				G3/8		
Material Discharge Port	LUER LOCK						
Controller Used	MPC-100				MPC-200		

PRO-DSP DDP PUMP



Item/Model	DDP-015	DDP-050	DDP-150	DDP-500	DDP-350	DDP-1000	DDP-2500
Dimensions (WxHxD) (mm)	290X120X30	295X120X30	305X120X30	305X120X30	380X87X55	400X87X55	400X87X55
Weight	780g	780g	1960g	1960g	2560g	2560g	2560g
Material Supply Pressure	0~0.6Mpa						
Maximum Discharge Pressure	2.0Mpa						
Applicable Viscosity	1~1,000,000cPs						
Discharge per Revolution	0.03	0.1	0.36	1	0.7	2	5
Motor Speed	1~60rpm						
Discharge Error	±1.5%						
Stator Material	FKM						
Material Supply Port	G1/4				G3/8		
Material Discharge Port	LUER LOCK OR BSPT1/4						
Controller Used	MPC-100				MPC-202		



The PRO-DSP DDP screw valve series offers exceptional precision for the output of materials that are difficult to dispense, achieving the desired process results. It is suitable for various viscosity adhesives, including silicone, epoxy resin, polyurethane, acrylic resin, and other types of glue dispensing applications.

The closed space formed between the rotor and stator can maintain a high level of vacuum, providing excellent adhesive suction capability. Therefore, by adjusting the rotational speed, even challenging materials can be delivered smoothly for dispensing.

There is no pulsation phenomenon, and even if pressure delivery fluctuates, a stable flow rate can be maintained.

The volume measurement means the dispensing amount increases or decreases in proportion to the rotational speed of the rotor.

The structure is simple, and liquid delivery does not require separate feed and discharge valves. The direction of liquid flow can also be reversed to prevent residual adhesive from remaining on the dispensing needle.



PUMP CONTROLLER

Applied to desktop robots, multi-joint robots, automated production line systems, and other equipment, for controlling the dispensing amount

MPC-100 Single-component dispensing controller

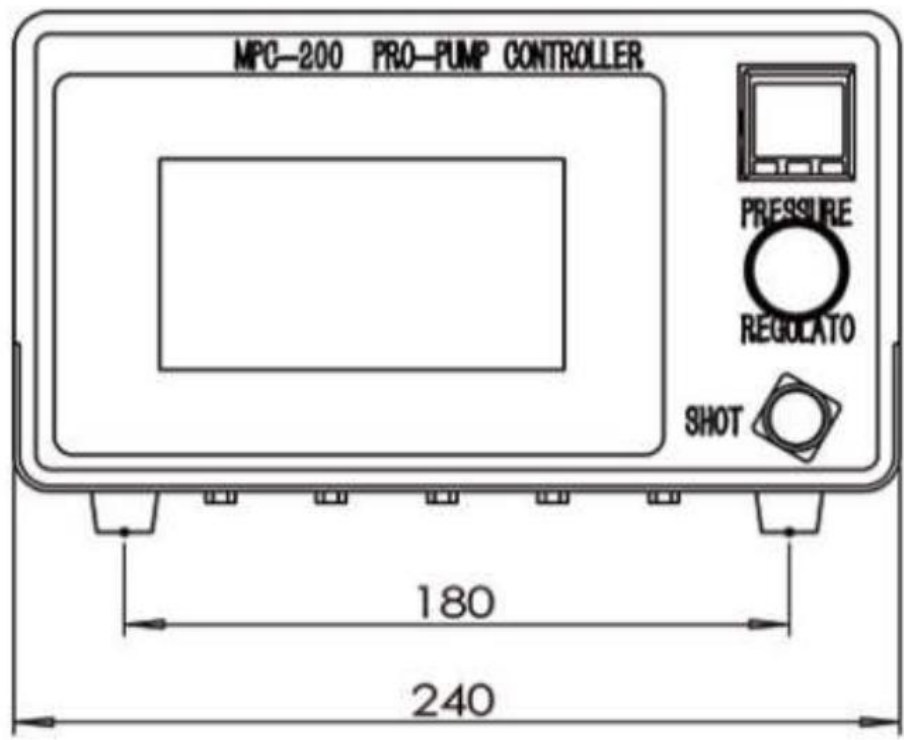
Using single-component dedicated control software, integrated with specialized dispensing process control software, ensuring high-precision dispensing. It allows for precise and versatile operations, with good data recognition and easy-to-operate settings, along with memory functions (16 channels). It has excellent compatibility with other equipment such as PCs, PLCs, and offers external interface functions. It can continuously perform multiple tasks, installation, and data changes, with intuitive and easy operation.



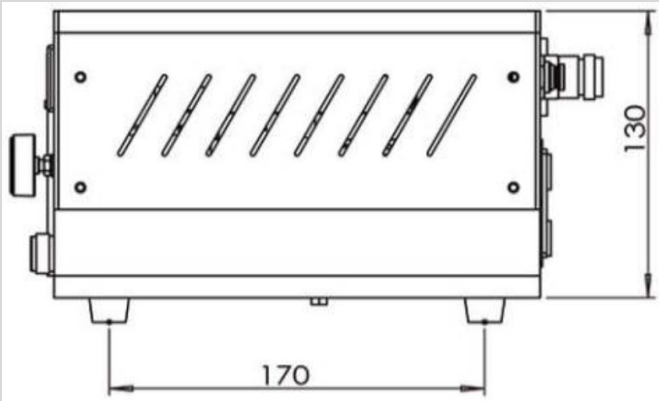
MPC-100 Single-component dispensing controller

Item/Model	MPC-100
Dimensions (WxHxD) (mm)	240x170x30(mm)
Weight	1.8kg
Input Power Supply	AC 220V 50/60Hz (1Phase)
Power Consumption	Max 200VA
Power	75W
Display	4.3inch TFT LCD
Drive Method	Touch Panel, Button, Regulator
Drive Mode	Time, Steady, Metering
Work Storage	16CH
Applicable Supply Pressure & External Control	OK
Input Signal	PNP Open Collector
Dispense Termination Signal	PNP Open Collector
Supported Communication Protocols	ModBus Tcp/Profinet
Applicable Temperature & Humidity	Below 0~40°C/〔80%〕RH (A place where no steam is generated)
Standard Components	Motor Cable, I/O Cable, Power Cable,Terminal Block

Appearance Drawings Front



Appearance Drawings Side



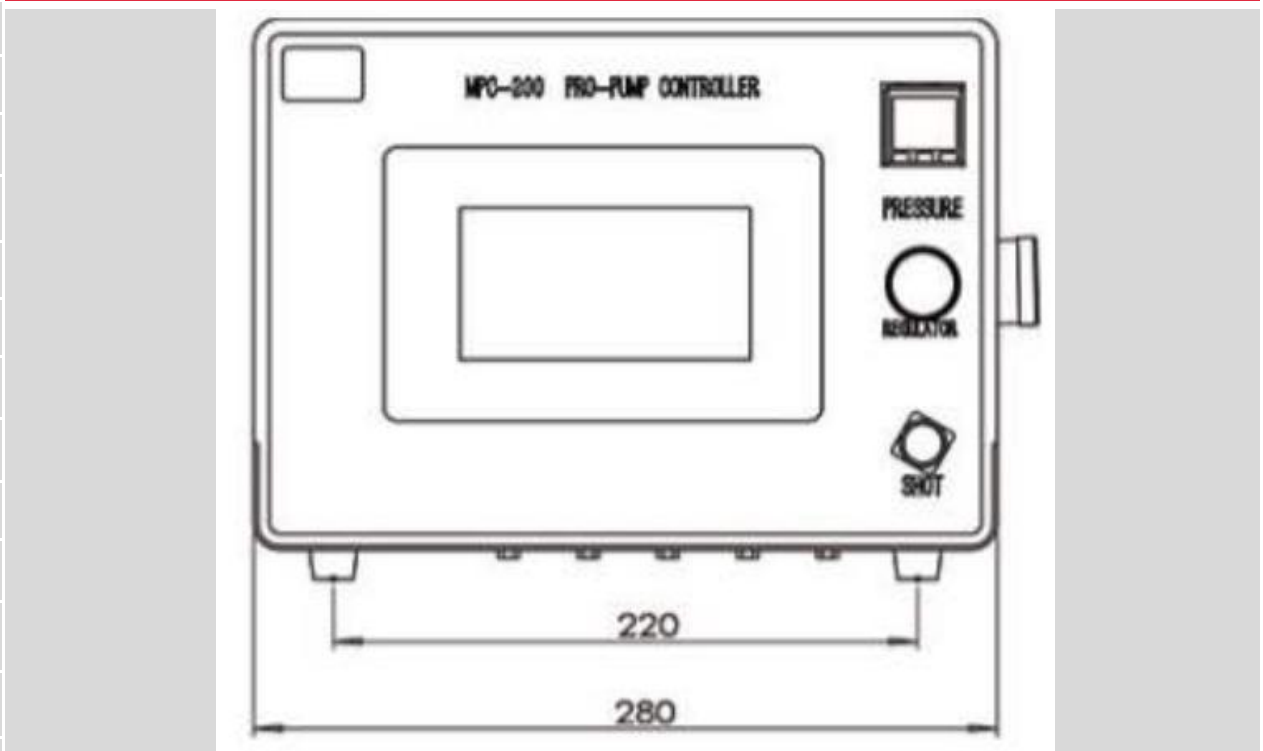
MPC-200 Dual-component dispensing controller



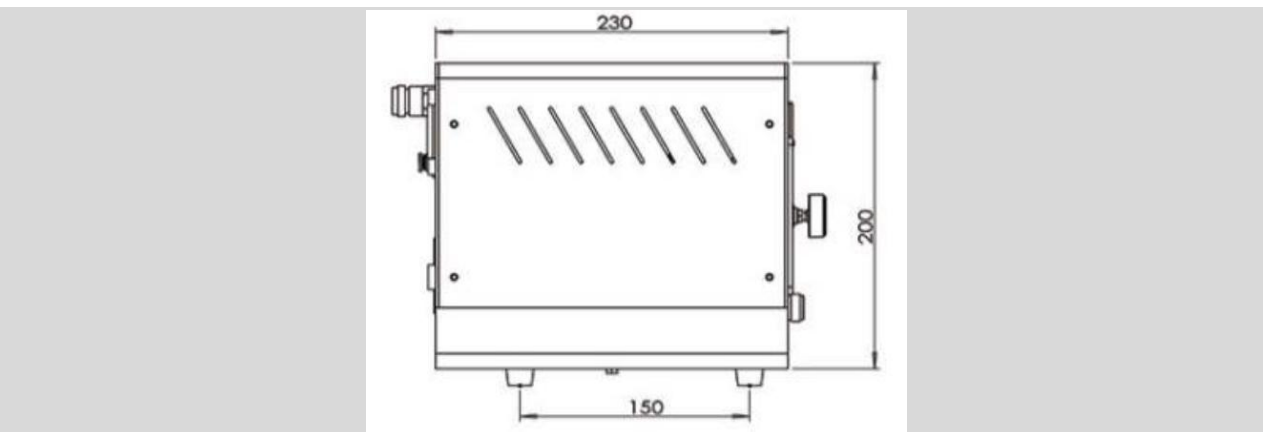
MPC-201 Dual-component dispensing controller

Item/Model	MPC-201
Dimensions (WxHxD) (mm)	280x230x200(mm)
Weight	3.2kg
Input Power Supply	AC 220V 50/60Hz (1Phase)
Power Consumption	Max 200VA
Power	250W
Display	4.3inch TFT LCD
Drive Method	Touch Panel, Button, Regulator
Drive Mode	Time, Steady, Purge, Ratio
Work Storage	30CH
Applicable Supply Pressure	0.6MPa
Air Source Input Port	Ø6, Max 0.7Mpa
Air Source Output Port	Ø6
Applicable Supply Pressure & External Control	OK
Input Signal	PNP Open Collector
Dispense Termination Signal	PNP Open Collector
Supported Communication Protocols	ModBus Tcp/Profinet
Applicable Temperature & Humidity	Below 0~40°C/〔80%〕RH (A place where no steam is generated)
Standard Components	Motor Cable, I/O Cable, Power Cable,Terminal Block

Appearance Drawings Front



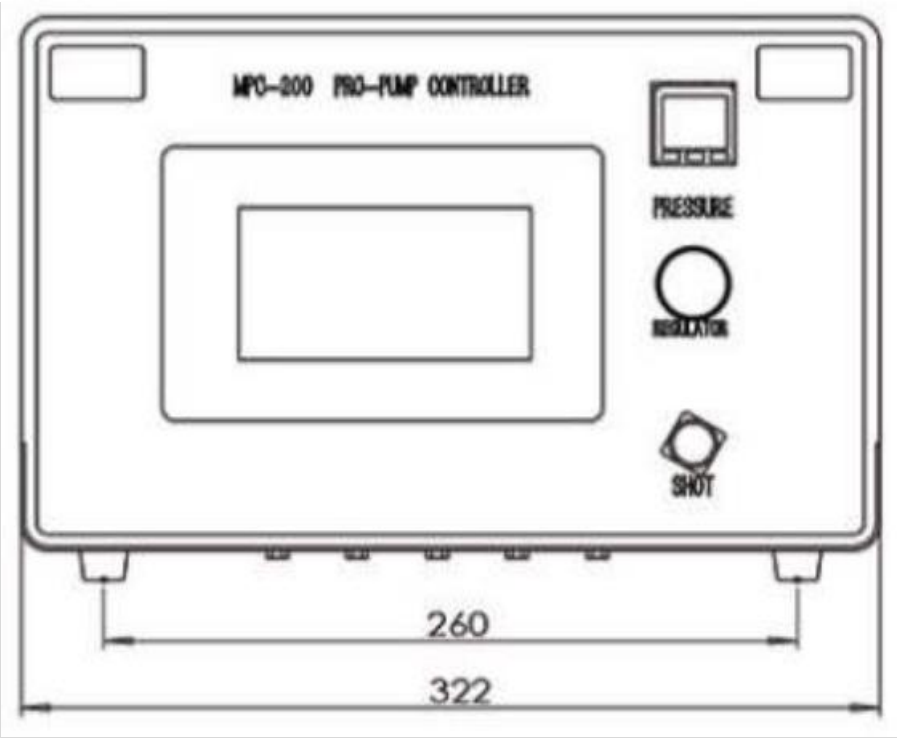
Appearance Drawings Side



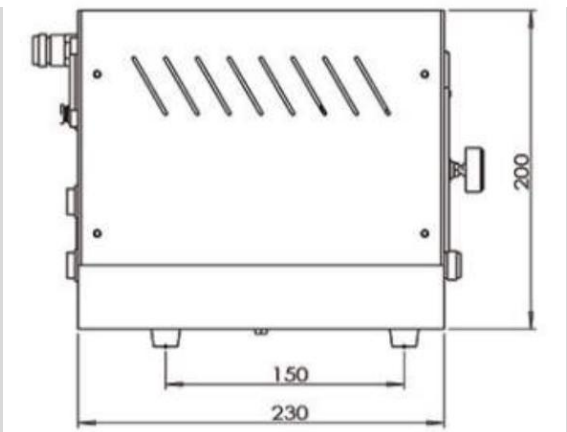
MPC-202 Dual-component dispensing controller

Item/Model	MPC-201
Dimensions (WxHxD) (mm)	322x230x200(mm)
Weight	3.6kg
Input Power Supply	AC 220V 50/60Hz (1Phase)
Power Consumption	Max 200VA
Power	350W
Display	4.3inch TFT LCD
Drive Method	Touch Panel, Button, Regulator
Drive Mode	Time, Steady, Anti, Ratio
Work Storage	30CH
Applicable Supply Pressure	0.6MPa
Air Source Input Port	Ø6, Max 0.7Mpa
Air Source Output Port	Ø6
Applicable Supply Pressure & External Control	OK
Input Signal	PNP Open Collector
Dispense Termination Signal	PNP Open Collector
Supported Communication Protocols	ModBus Tcp/Profinet
Applicable Temperature & Humidity	Below 0~40°C/〔80%〕RH (A place where no steam is generated)
Standard Components	Motor Cable, I/O Cable, Power Cable,Terminal Block

Appearance Drawings Front

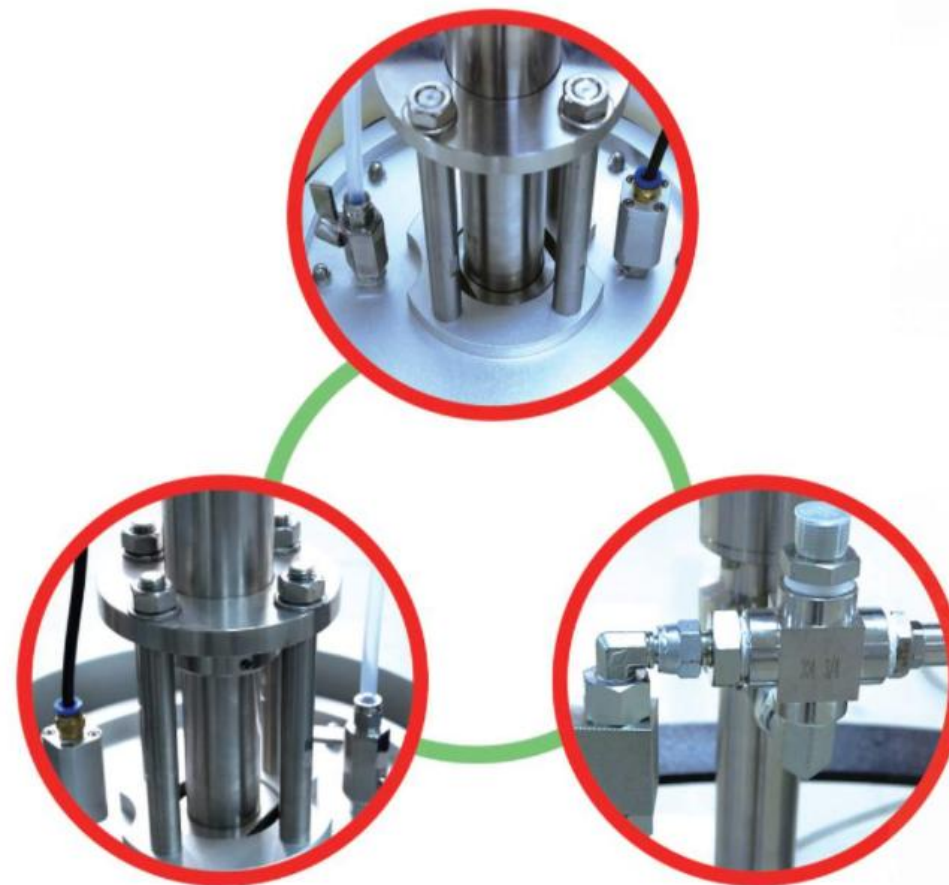


Appearance Drawings Side

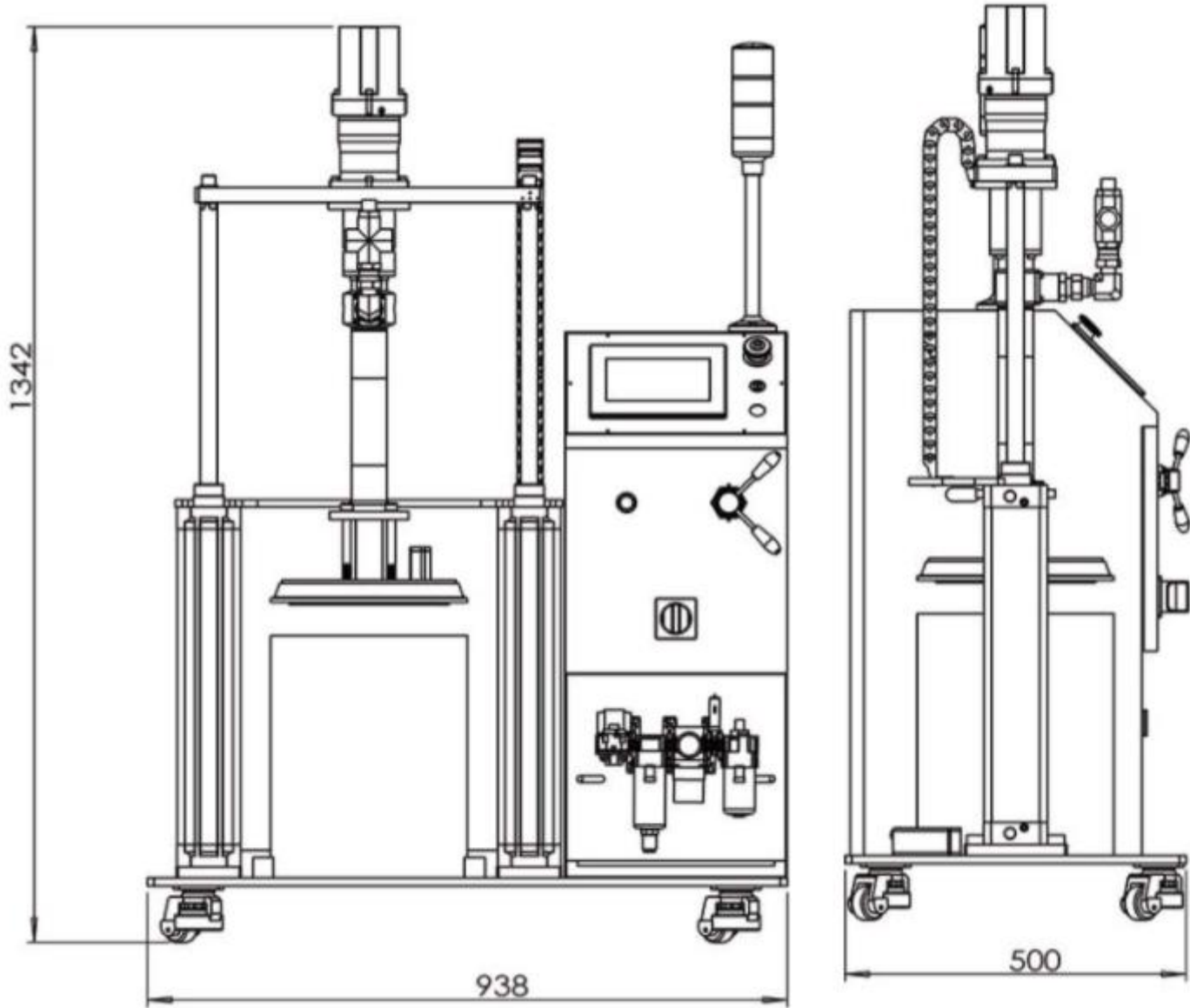


D61 (单液)

The servo screw follower plate pump directly transfers materials from the container without introducing foreign particles or air bubbles, ensuring clean material delivery. It can transport high-viscosity liquids over long distances with precision metering using an electric motor instead of an air-driven system. The system is compatible with our specially developed follower plate, which allows material usage down to within 1% of the remaining content in the container—making it highly economical.



Item Model:D61



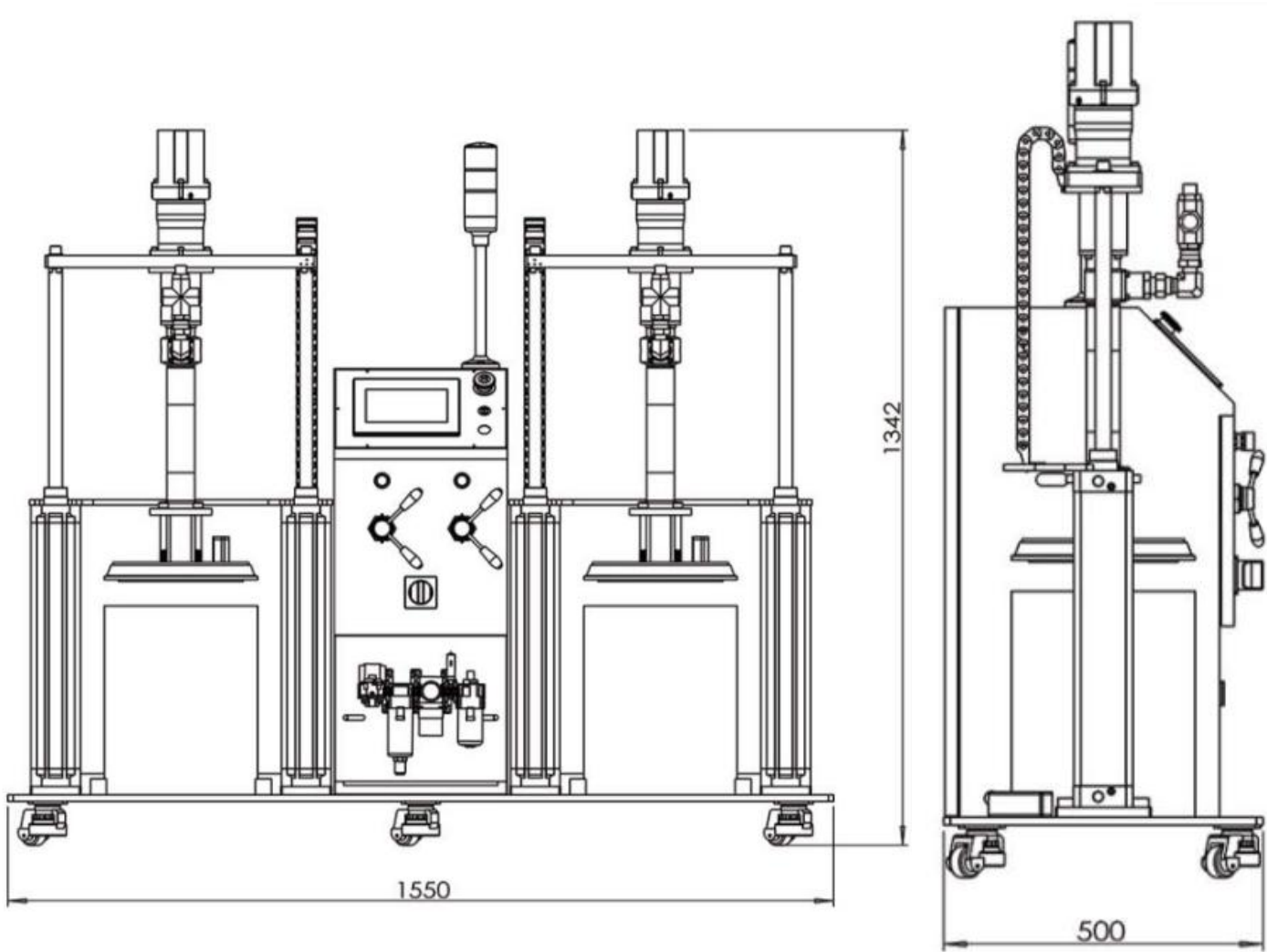
Item/Model	D61
Material Container	20kg
Weight	150kg
Supply Pressure	0.4–0.5 MPa (Humidity below 5%, Air Filter ≤ 5 μ)
Input Power Supply	AC 220V (±10%) 50/60Hz
Power Consumption	Max. 2.6 kW
Display	5 inch TFT LCD
Operation Method	Touch Screen, Button S/W
Drive Mode	Auto / Manual / Test
Viscosity Range	1–500,000 (cps)
Discharge Pressure	2.5MPa
Displacement	5.0 ml/rev
Flow Rate	Max 300 ml/min
Accuracy	±1%
Minimum Delivery Volume	25.0 ml/min
Motor Speed	1–150 rpm (Recommended: 60 rpm)
Input Port	One-touch fitting PC (Ø8)
Material Outlet	BSPT 3/8, 1/2, 3/4, 1
Stator Material	FFKM / EPDM
Operating Temperature	0–50 °C (Avoid direct sunlight)
Operating Humidity	10–85% RH
Vibration Resistance	Below 0.5 g
Communication Connector	LAN (Modbus TCP), RS485 (Modbus RTU) External Link
Follower Plate	WP (Wiper Plate) / DP (Disposal Plate) / NP (None Plate)

D Series In the high-pressure pump system, an electric servo screw follower plate pump is used to meet the supply requirements of high-viscosity single-component and dual-component materials.

D60 (双液)



Item Model:D60

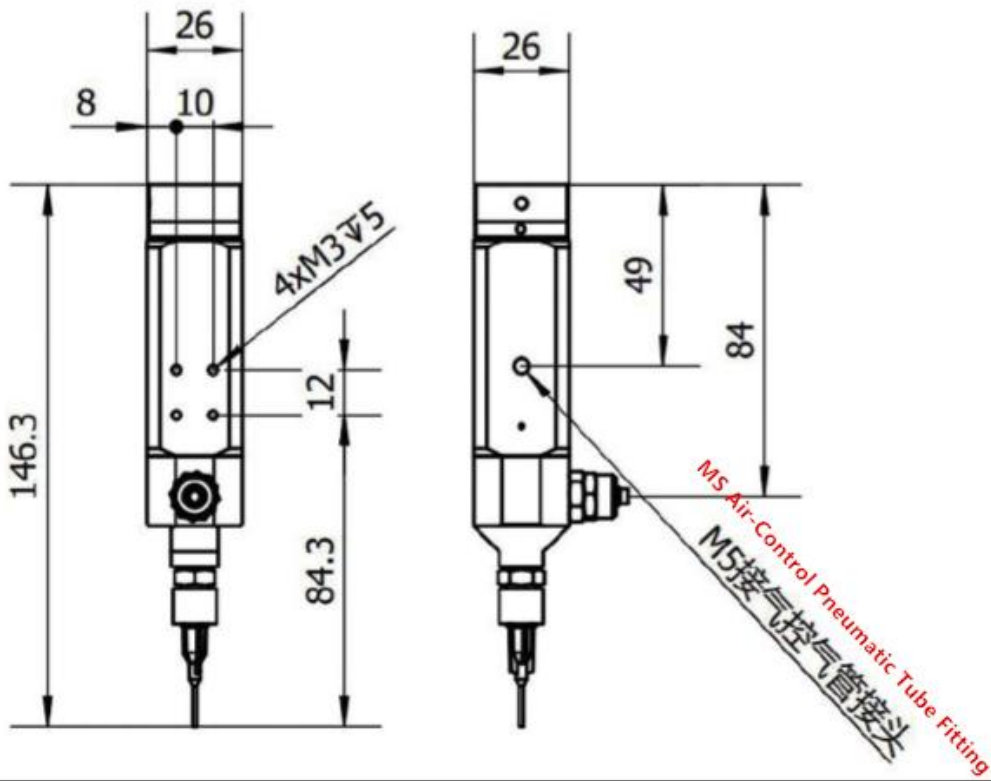


Item/Model	D60
Material Container	20kg
Weight	320kg
Supply Pressure	0.4–0.5 MPa (Humidity below 5%, Air Filter ≤ 5 μ)
Input Power Supply	AC 200V-240V, 50/60Hz
Power Consumption	5.2 kW
Display	7 inch TFT LCD
Operation Method	Touch Screen, Button S/W
Drive Mode	Auto / Manual / Test
Viscosity Range	1–500,000 (cps)
Discharge Pressure	2.5MPa
Displacement	5.0 ml/rev
Flow Rate	300 ml/min
Accuracy	±3%
Minimum Delivery Volume	25.0 ml/min
Motor Speed	1–150 rpm (Recommended: 60 rpm)
Input Port	One-touch fitting PC (Ø8)
Material Outlet	BSPT 3/8, 1/2, 3/4, 1
Stator Material	FFKM / EPDM
Operating Temperature	0–50 °C (Avoid direct sunlight)
Operating Humidity	10–85% RH
Vibration Resistance	Below 0.5 g
Communication Connector	LAN (Modbus TCP), RS485 (Modbus RTU) External Link
Follower Plate	WP (Wiper Plate) / DP (Disposal Plate) / NP (None Plate)

Item Model: Micro-Volume Percussive Pin Dispensing Valve ZZF100

Suitable for dispensing micro-amounts of medium- to low-viscosity fluids with high precision.

When used together with a high-frequency controller, jet dispensing can be achieved. This dispensing valve is capable of handling micro-volume dispensing, unaffected by air bubbles, with adjustable flow rate, clean cut-off, and easy maintenance.



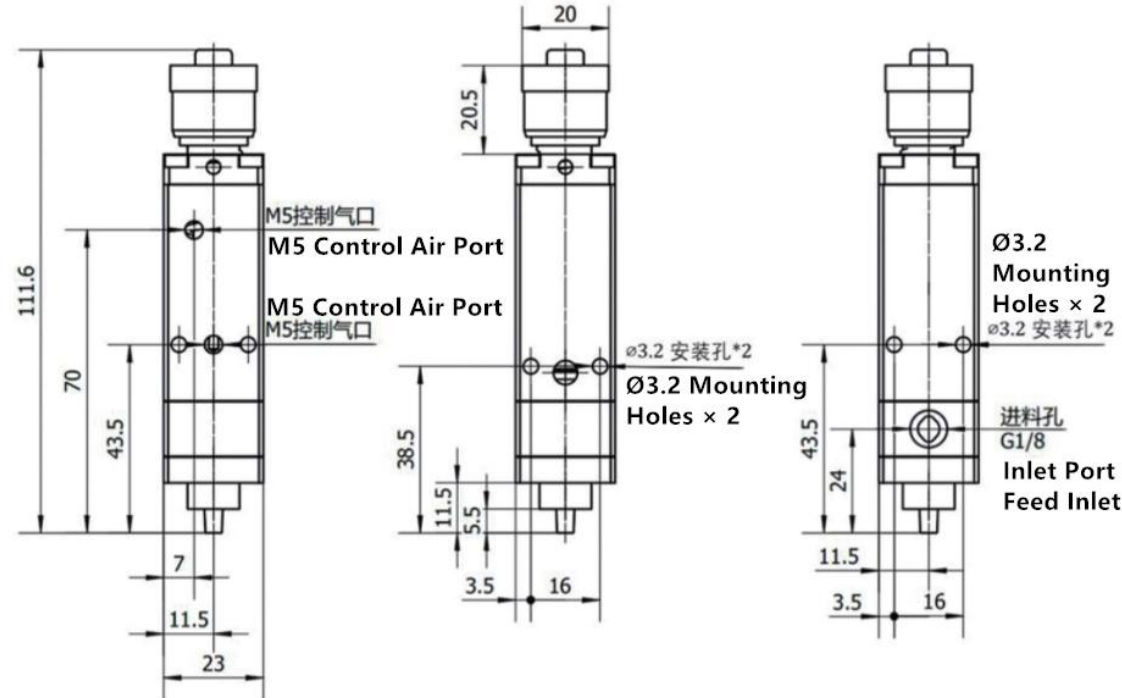
Basic Parameters	
Dimensions (L×W×H)	146.3 × 26 × 26 mm
Weight	250g
Maximum Fluid Pressure	5 MPa
Driving Air Pressure	0.4~0.6 MPa
Applicable Adhesive Viscosity	1~5,000cps
Maximum Discharge Volume	0.5 L/min
Maximum Operating Frequency	500 cycles/min
Adjustment Method	Fine-adjustment Nut
Drive Section Material	A7075, SUS 316
Fluid Chamber Material	SUS 316, UPE, PEEK
Application Scenarios	Filling, Line Drawing, Edge Sealing, Dot Dispensing
Applicable Materials	Ink, UV Glue, Solvents, Silicone Oil, Catalysts

Item Model: Diaphragm-Type Percussive Pin Dispensing Valve GMZ200



Suitable for low-flow and low-viscosity dispensing processes.

By adjusting the stroke and replacing different dispensing needles, high precision and excellent consistency can be achieved. The diaphragm-type sealing structure completely isolates the liquid from air, making it ideal for fluids sensitive to air or moisture.



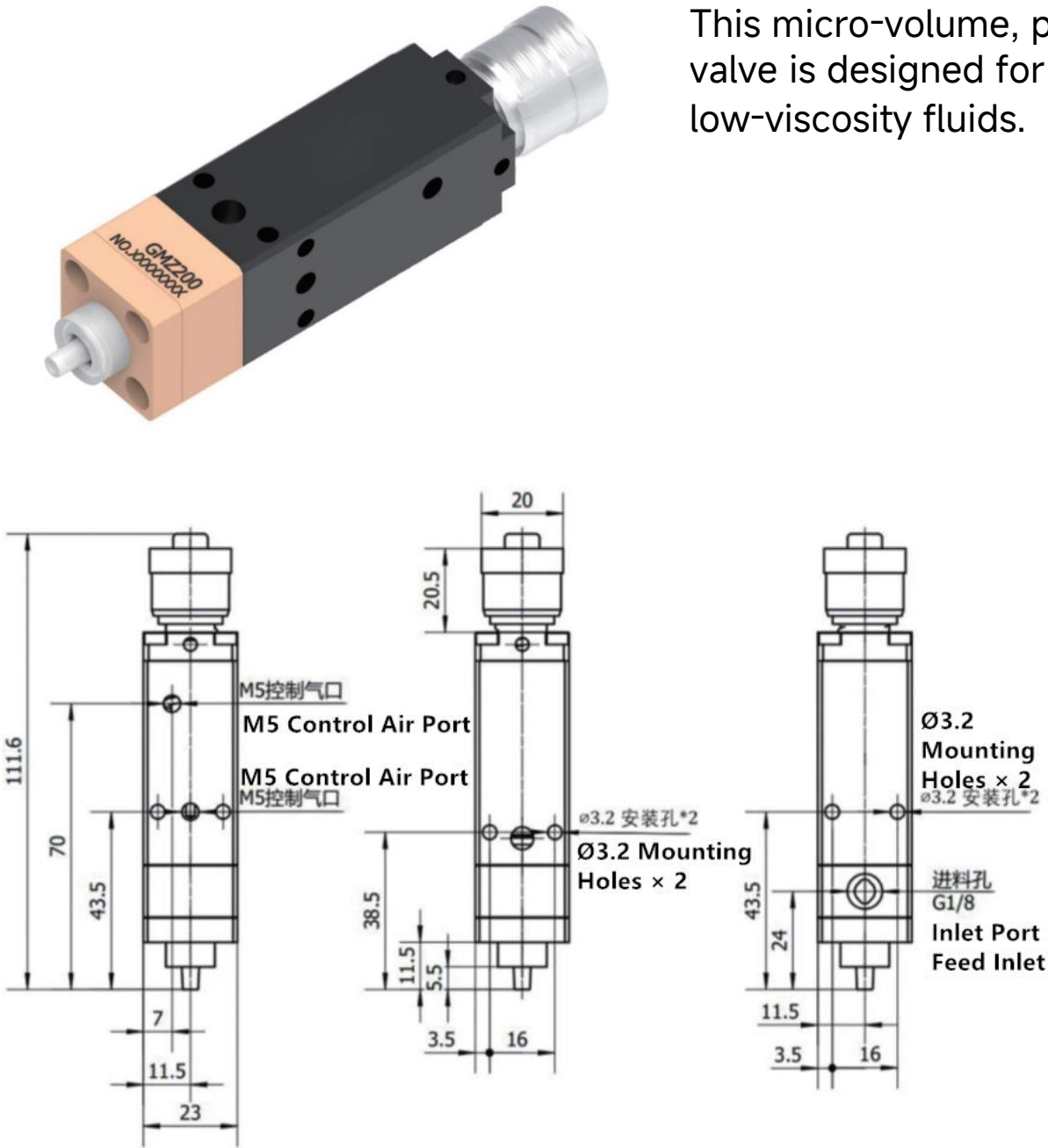
Basic Parameters	
Dimensions (L×W×H)	111 × 23 × 23 mm
Weight	200g
Maximum Fluid Pressure	0.6 MPa
Driving Air Pressure	0.4~0.6 MPa
Applicable Adhesive Viscosity	1~100,000cps
Maximum Discharge Volume	1.7 L/min
Adjustment Method	Fine-adjustment Nut
Drive Section Material	A7075, SUS 316, PP, UPE
Fluid Chamber Material	SUS 316, UPE, PEEK
Application Scenarios	Filling, Line Drawing, Edge Sealing, Dot Dispensing
Applicable Materials	Silicone oil, Epoxy resin, Solvents, Alcohol, Ink, Coating adhesives

Item Model: Diaphragm-Type Percussive Pin Dispensing Valve GMZ200P

This micro-volume, precision dispensing valve is designed for medium- to low-viscosity fluids.

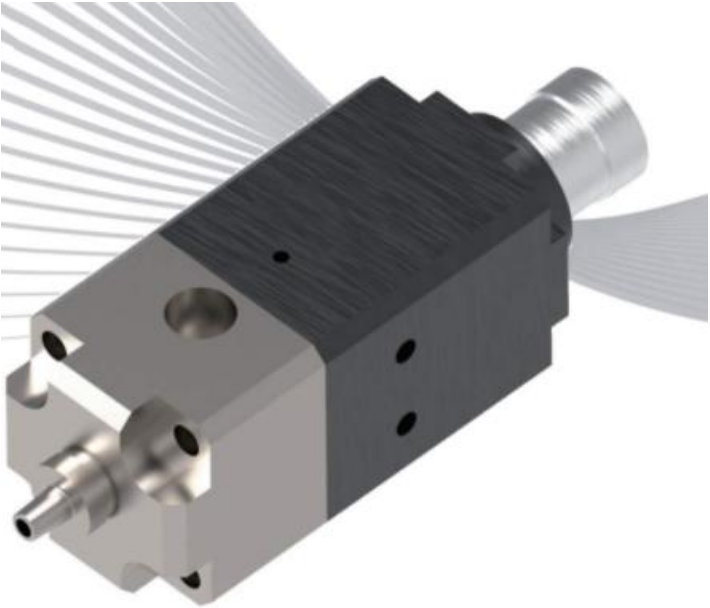
By adjusting the stroke and replacing different dispensing needles, it delivers highly accurate and consistent dispensing performance.

The diaphragm-type sealing structure enables complete isolation between the fluid and air, making it suitable for liquids that are sensitive to air or moisture. All fluid-contacting components are made of non-metallic materials, making the valve particularly suitable for anaerobic adhesives and other metal-sensitive fluids.



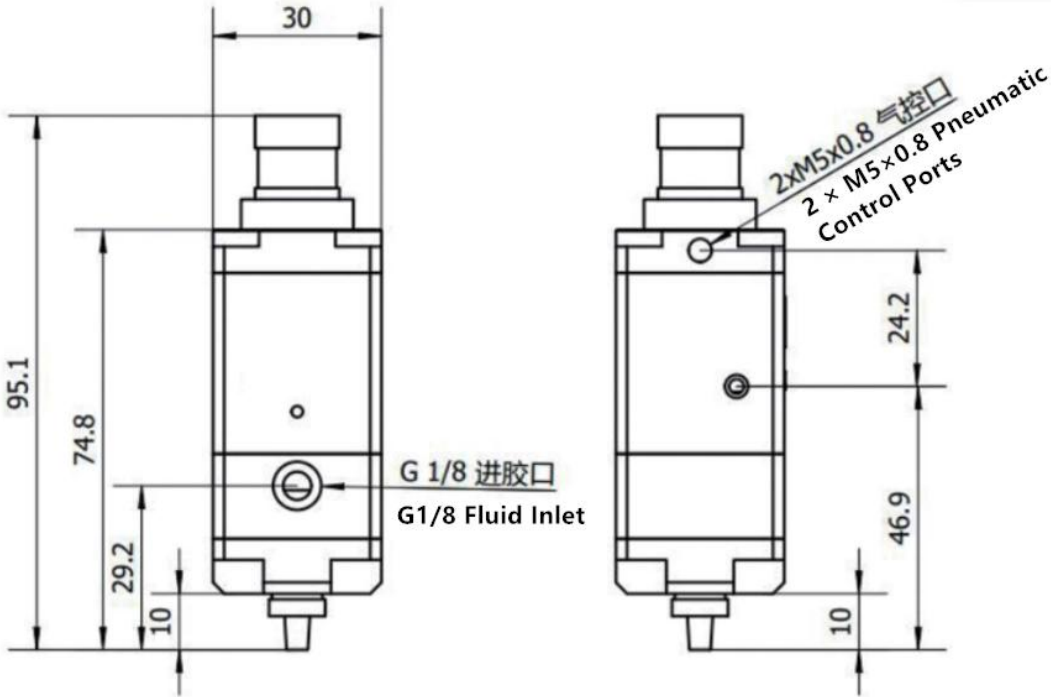
Basic Parameters	
Dimensions (L×W×H)	111 × 23 × 23 mm
Weight	200g
Maximum Fluid Pressure	0.6 MPa
Driving Air Pressure	0.4~0.6 MPa
Applicable Adhesive Viscosity	1~10,000cps
Maximum Discharge Volume	1.7 L/min
Adjustment Method	Fine-adjustment Nut
Drive Section Material	A7075
Fluid Chamber Material	PP, UPE, PEEK
Application Scenarios	Filling, Line Drawing, Edge Sealing, Dot Dispensing
Applicable Materials	Anaerobic adhesives, metal-sensitive adhesives, silicone oils, epoxy resins, solvents, alcohols, inks, and coating adhesives.

Item Model: Reversal Suction Valve HXF200



The HXF200 is a precision dispensing valve suitable for low-, medium-, and high-viscosity fluids.

After dispensing, the needle leaves no residual adhesive, providing excellent control and suction performance, especially for medium- to high-viscosity materials. The discharge volume can be finely adjusted via the micro-adjustment nut at the rear end.



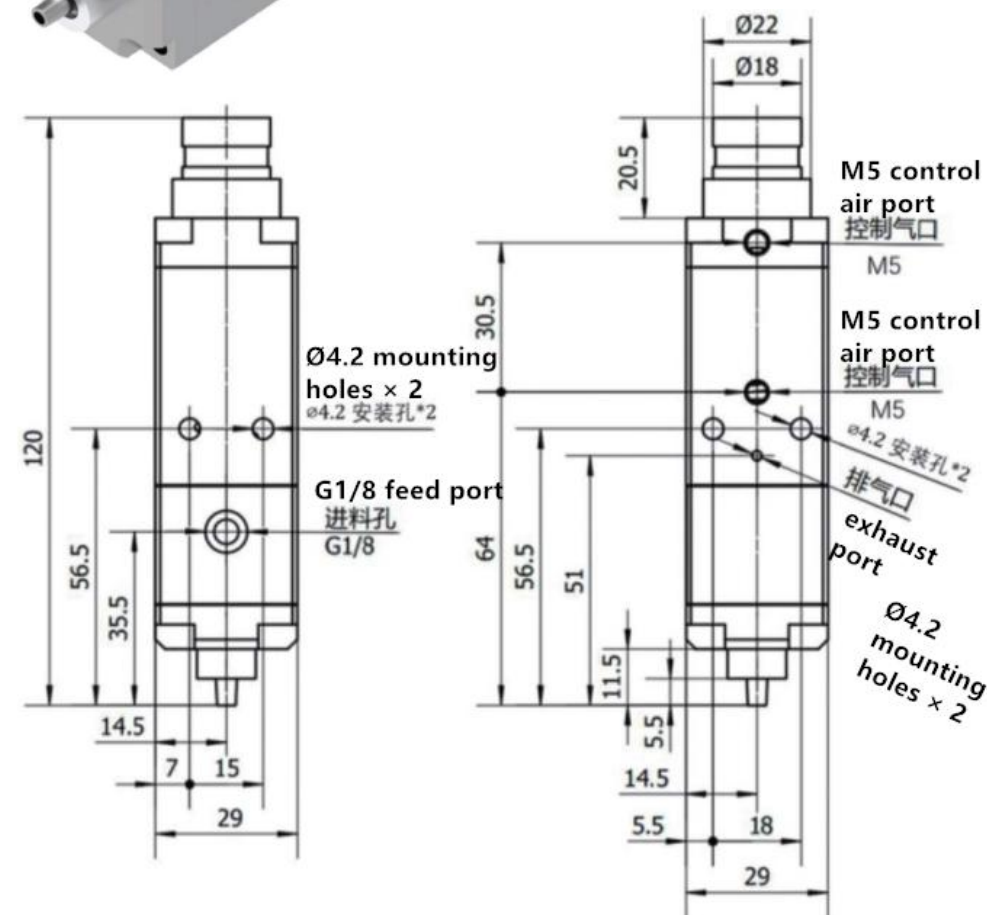
Basic Parameters	
Dimensions (L×W×H)	95 × 30 × 30 mm
Weight	300g
Maximum Fluid Pressure	3.0 MPa
Driving Air Pressure	0.4~0.6 MPa
Applicable Adhesive Viscosity	1000~150,000cps
Maximum Discharge Volume	2.0 L/min
Maximum Operating Frequency	60 cycles/min
Adjustment Method	Fine-adjustment Nut
Drive Section Material	A7075, SUS 316
Fluid Chamber Material	SUS 316, UPE
Application Scenarios	Filling, Line Drawing, Edge Sealing, Dot Dispensing
Applicable Materials	Rubber-based Systems, RTV Silicone, Resins, Grease, Adhesives Containing Fillers

Item Model: Reversal Suction Valve HXF300



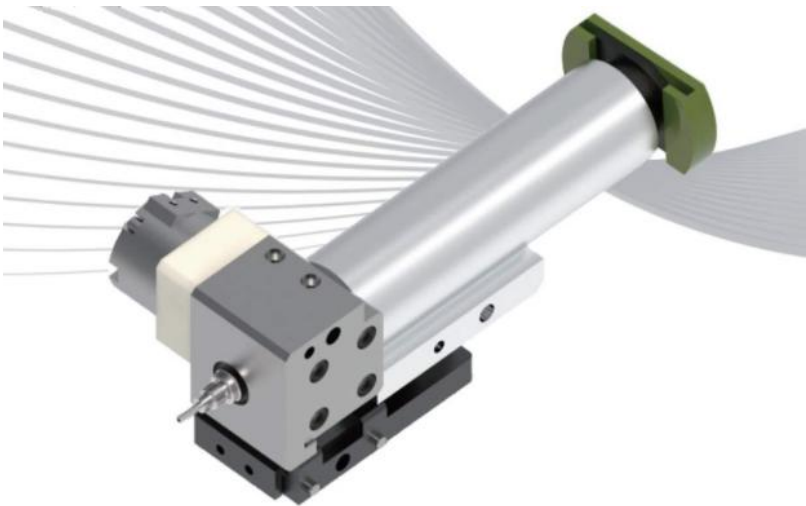
The HXF300 is a precision dispensing valve designed for medium- to high-viscosity fluids.

After dispensing, the needle leaves no residual adhesive, providing excellent control and suction performance for medium- and high-viscosity materials.

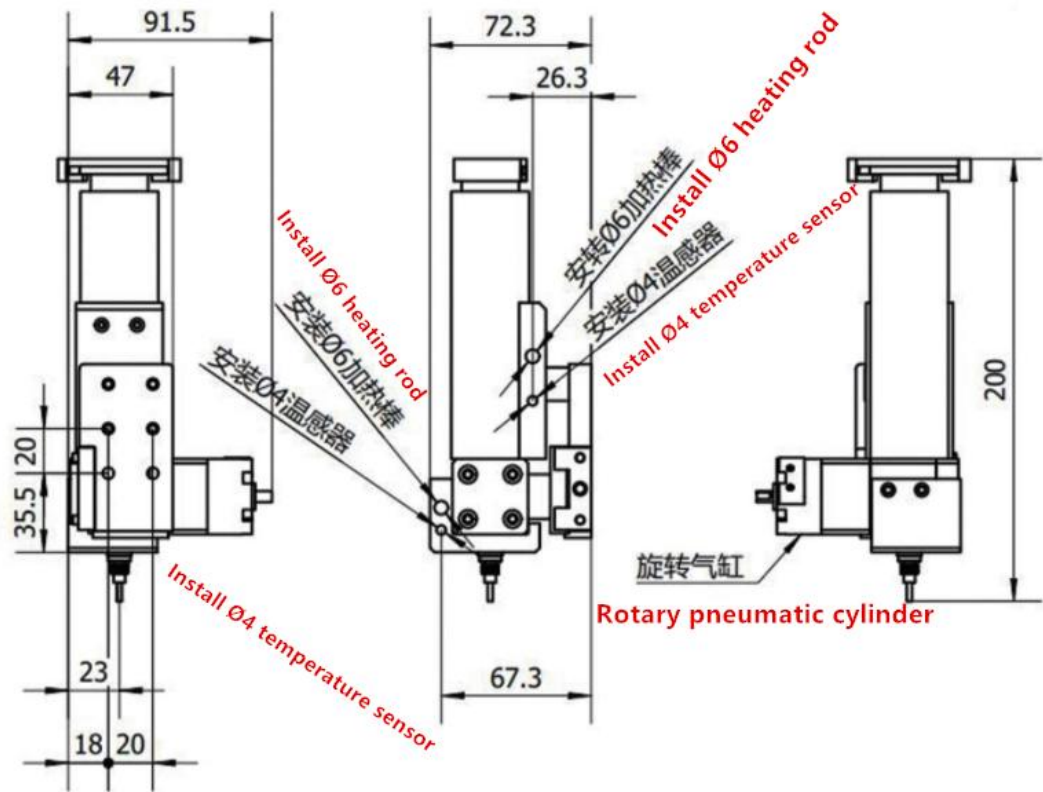


Basic Parameters	
Dimensions (L×W×H)	120 × 29 × 29 mm
Weight	350g
Maximum Fluid Pressure	1.0 MPa
Driving Air Pressure	0.4~0.6 MPa
Applicable Adhesive Viscosity	1000~150,000cps
Maximum Discharge Volume	2.4 L/min
Maximum Operating Frequency	60 cycles/min
Adjustment Method	Fine-adjustment Nut
Drive Section Material	A7075, SUS 316
Fluid Chamber Material	SUS 316, UPE
Application Scenarios	Filling, Line Drawing, Edge Sealing, Dot Dispensing
Applicable Materials	Rubber-based Systems, RTV Silicone, Resins, Grease, Adhesives Containing Fillers

Item Model: Ceramic Rotary Valve TZF300

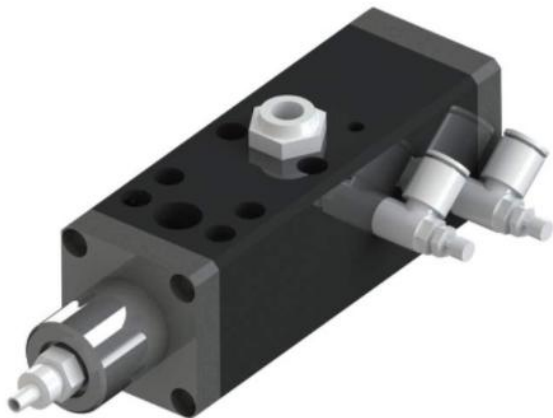


The valve features high wear resistance, fast flow rate, clean and instantaneous cut-off, and quick material recovery, ensuring precise dispensing performance. Its simple structure makes maintenance easy, and the valve is easy to clean.

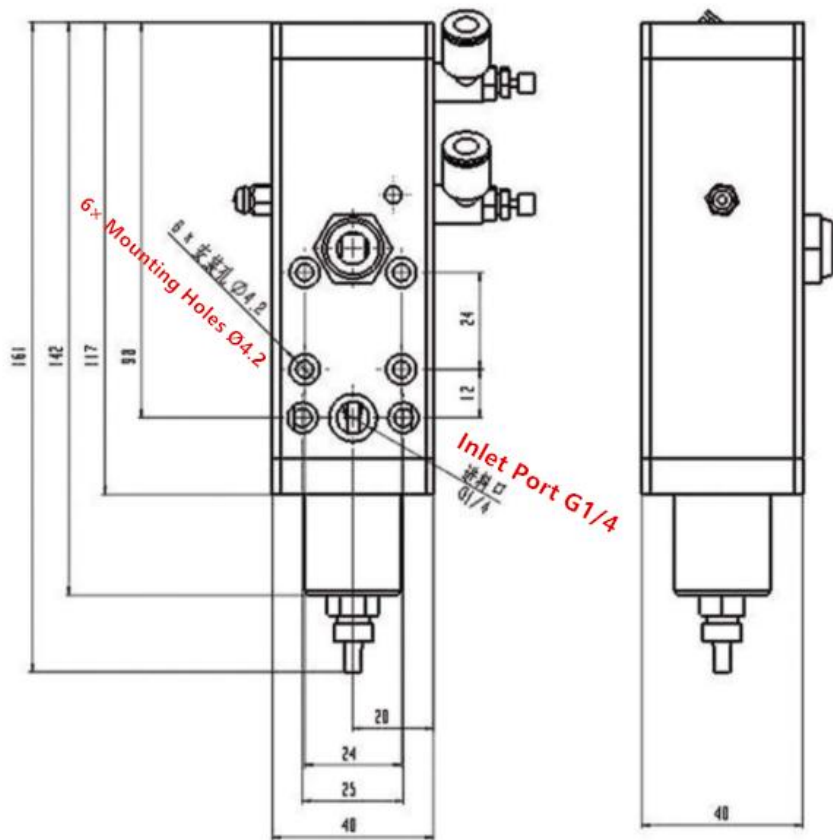


Basic Parameters	
Dimensions (L×W×H)	200 × 73 × 90 mm
Weight	900g
Maximum Fluid Pressure	3.0 MPa
Driving Air Pressure	0.4~0.6 MPa
Applicable Adhesive Viscosity	5000~150,000cps
Maximum Operating Frequency	40 cycles/min
Drive Section Material	A7075, SUS 316
Fluid Chamber Material	Stainless Steel (SUS Series), Technical Ceramic
Application Scenarios	Adhesive edge sealing, Filling, Line dispensing, Edge sealing, Dot dispensing, Potting
Applicable Materials	Conductive adhesive, Silver conductive adhesive, Silicone sealant, Anaerobic adhesive, Solder paste, White cement paste, Rubber-based adhesive, RTV silicone, Resin, Grease, Filler-loaded adhesive

Item Model: High-Pressure Suck-Back Valve SJ-250-1K

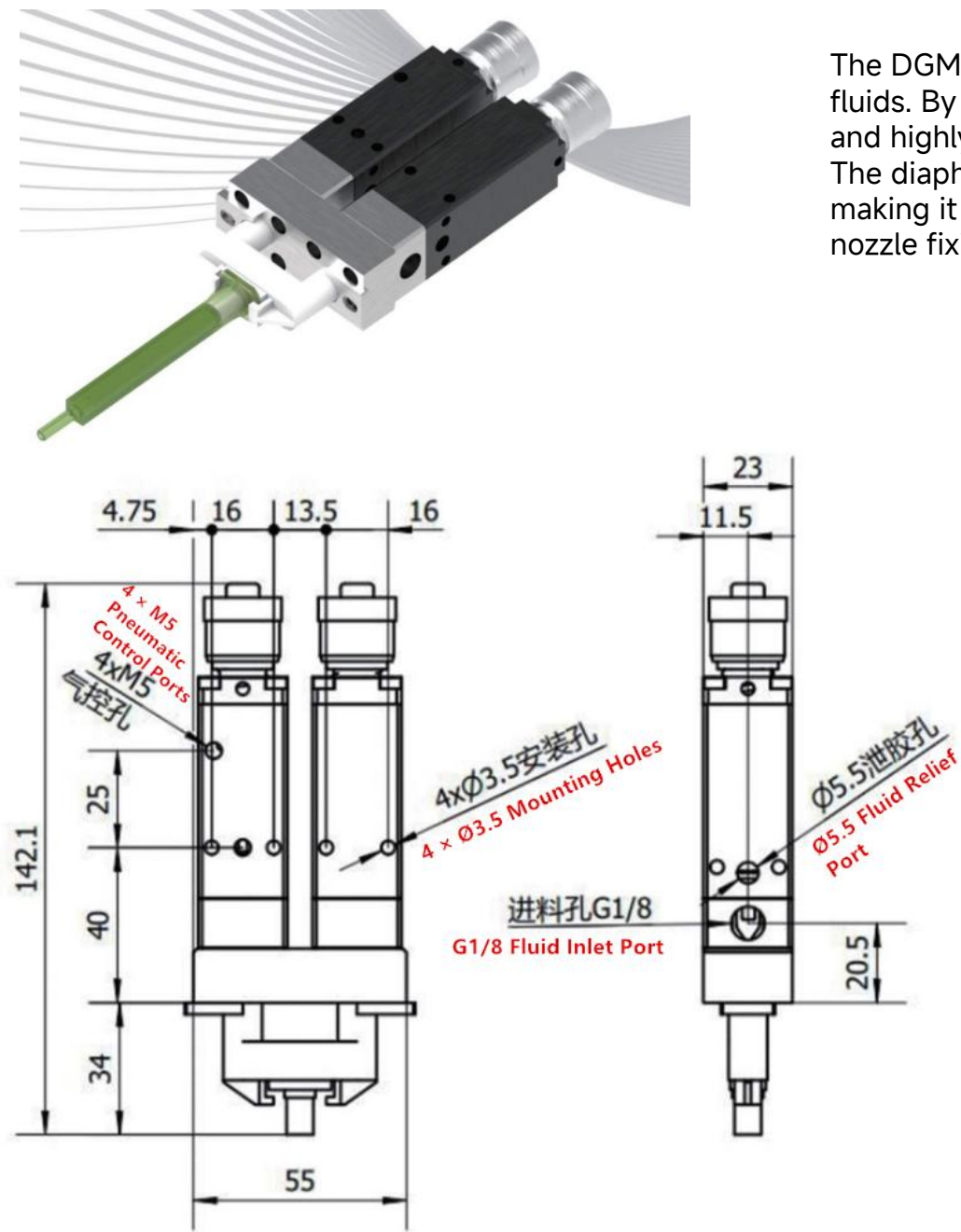


Designed for high-pressure applications, the SJ-250-1K offers excellent durability when dispensing filler-loaded adhesives. After dispensing, the needle remains clean with no residual adhesive.



Basic Parameters	
Dimensions (L×W×H)	155 × 41.4 × 47.4 mm
Weight	980g
Maximum Fluid Pressure	30 MPa
Driving Air Pressure	0.4~0.6 MPa
Applicable Adhesive Viscosity	5000~500,000cps
Maximum Discharge Volume	4.8 L/min
Maximum Operating Frequency	60 cycles/min
Adjustment Method	Fine-adjustment Nut
Drive Section Material	A7075, SUS 316
Fluid Chamber Material	SUS316, UPE, Tungsten Carbide, High-Speed Steel (HSS), PEEK (Polyether Ether Ketone)
Application Scenarios	Adhesive edge sealing, Filling, Line dispensing, Edge sealing, Dot dispensing, Potting
Applicable Materials	Rubber-based Systems, RTV Silicone, Resins, Grease, Adhesives Containing Fillers, Polyurethane Adhesive

Item Model: Diaphragm Impact Needle Valve DGMZ200



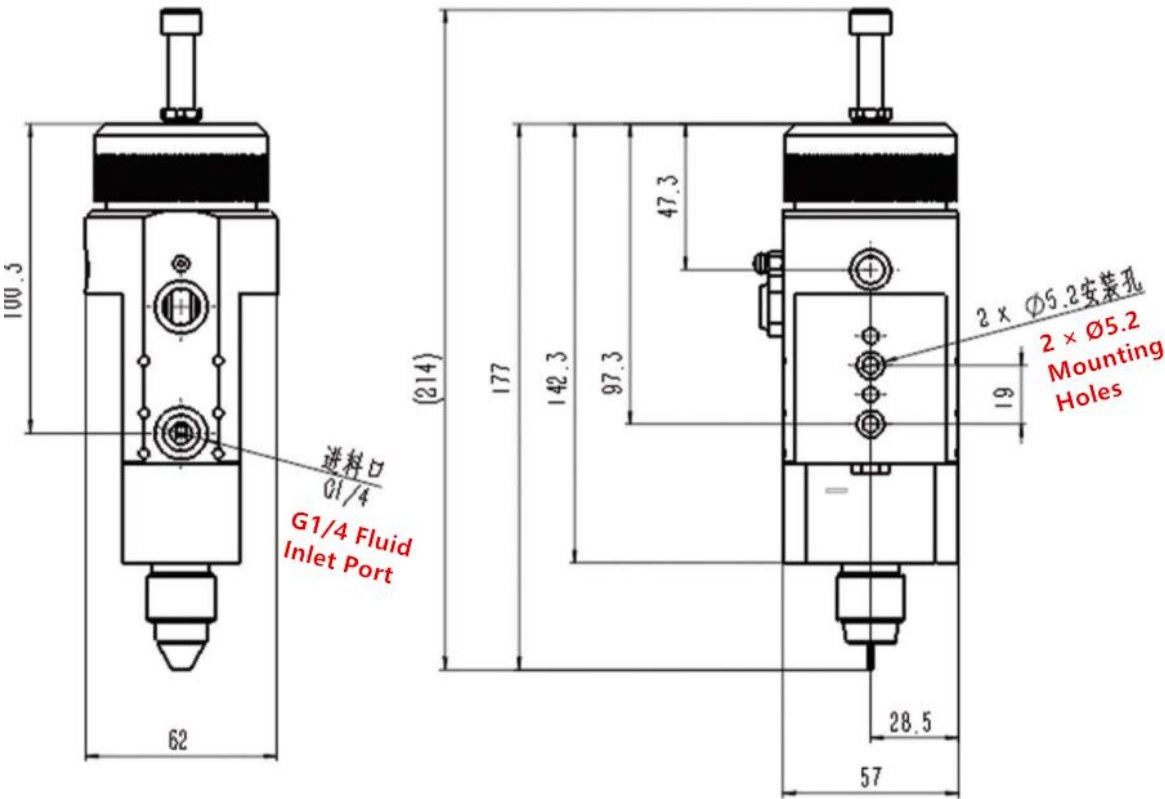
The DGMZ200 is designed for micro-volume and precision dispensing of low- to medium-viscosity fluids. By adjusting the stroke and replacing different dispensing needles, it delivers high-accuracy and highly consistent dot dispensing results. The diaphragm-type sealing structure ensures complete isolation between the fluid and air, making it suitable for liquids that are sensitive to air or moisture. The front end adopts a disposable nozzle fixing block, which allows for easy replacement and cleaning.

Basic Parameters	
Dimensions (L×W×H)	142 × 55 × 23 mm
Weight	450g
Maximum Fluid Pressure	0.6 MPa
Driving Air Pressure	0.4~0.6 MPa
Applicable Adhesive Viscosity	1~100,000cps
Maximum Discharge Volume	3.5 L/min
Adjustment Method	Fine-adjustment Nut
Drive Section Material	A7075
Fluid Chamber Material	SUS316, PP, UPE
Application Scenarios	Filling, Line Drawing, Edge Sealing, Dot Dispensing
Applicable Materials	Two-Component Adhesive, Epoxy Resin, Solvent, Coating Adhesive, Anaerobic Adhesive

Item Model: Two-Component Suck-Back Valve SJ-250-2K



Designed for high-pressure applications and suitable for two-component adhesives. The needle leaves no residual adhesive after dispensing, ensuring clean shut-off. Provides enhanced durability when dispensing adhesives containing fillers.

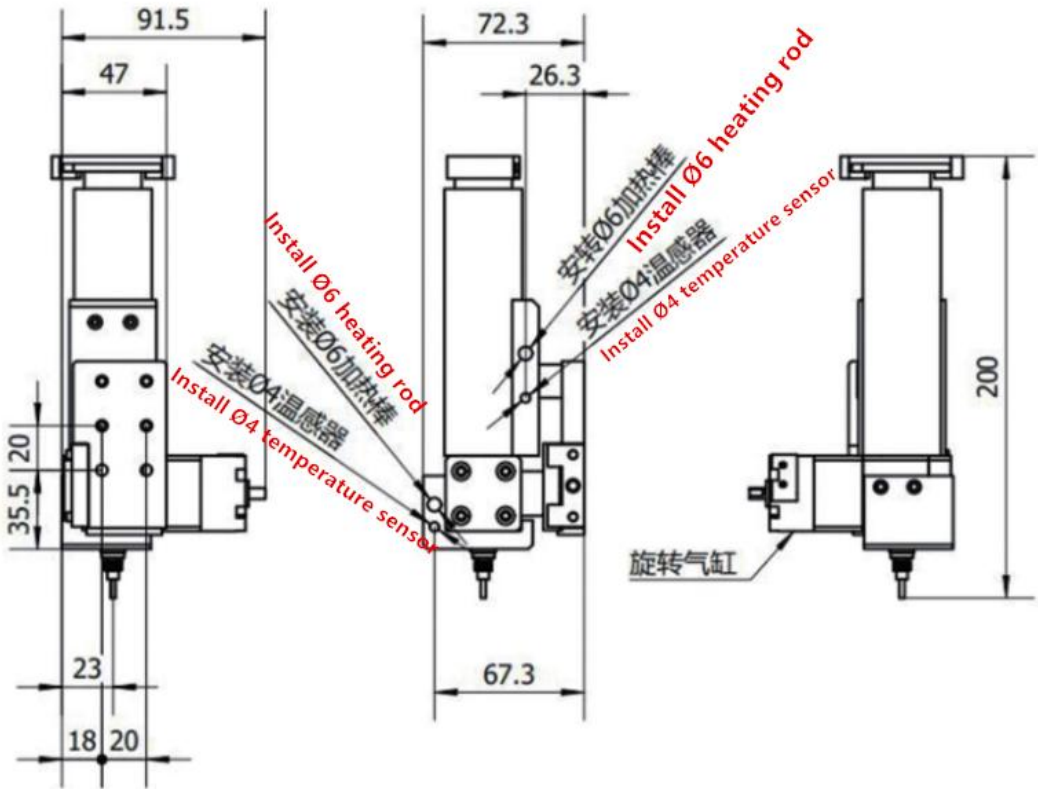


Basic Parameters	
Dimensions (L×W×H)	138.3 × 52 × 52 mm
Weight	750g
Maximum Fluid Pressure	30 MPa
Driving Air Pressure	0.4~0.6 MPa
Applicable Adhesive Viscosity	5000~500,000cps
Maximum Discharge Volume	6.0 L/min
Maximum Operating Frequency	150 cycles/min
Adjustment Method	Fine-adjustment Nut
Drive Section Material	A7075, SUS316
Fluid Chamber Material	SUS316, UPE, Tungsten Carbide, High-Speed Steel (HSS), PEEK (Polyether Ether Ketone)
Application Scenarios	Adhesive edge sealing, Filling, Line dispensing, Edge sealing, Dot dispensing, Potting
Applicable Materials	Rubber-based Systems, RTV Silicone, Resins, Grease, Adhesives Containing Fillers, Polyurethane Adhesive

Item Model: Hot-Melt Ceramic Rotary Valve RTZF300



The valve offers high wear resistance, fast flow rate, and clean, responsive shut-off. It is easy to maintain and is equipped with a heating module for handling hot-melt materials.



Basic Parameters	
Dimensions (L×W×H)	200 × 73 × 90 mm
Weight	900g
Maximum Fluid Pressure	3.0 MPa
Driving Air Pressure	0.4~0.6 MPa
Applicable Adhesive Viscosity	5000~150,000cps
Maximum Operating Frequency	40 cycles/min
Drive Section Material	A7075, SUS 316
Fluid Chamber Material	Stainless Steel (SUS Series), Technical Ceramic
Application Scenarios	Adhesive edge sealing, Filling, Line dispensing, Edge sealing, Dot dispensing, Potting
Applicable Materials	Hot melt adhesive(HMA), Conductive adhesive, Silver conductive adhesive, Silicone sealant, Anaerobic adhesive, Solder paste, White cement paste, Rubber-based adhesive, RTV silicone, Resin, Grease, Filler-loaded adhesive

Item Model: Servo Screw Dispensing Valve STJ-002

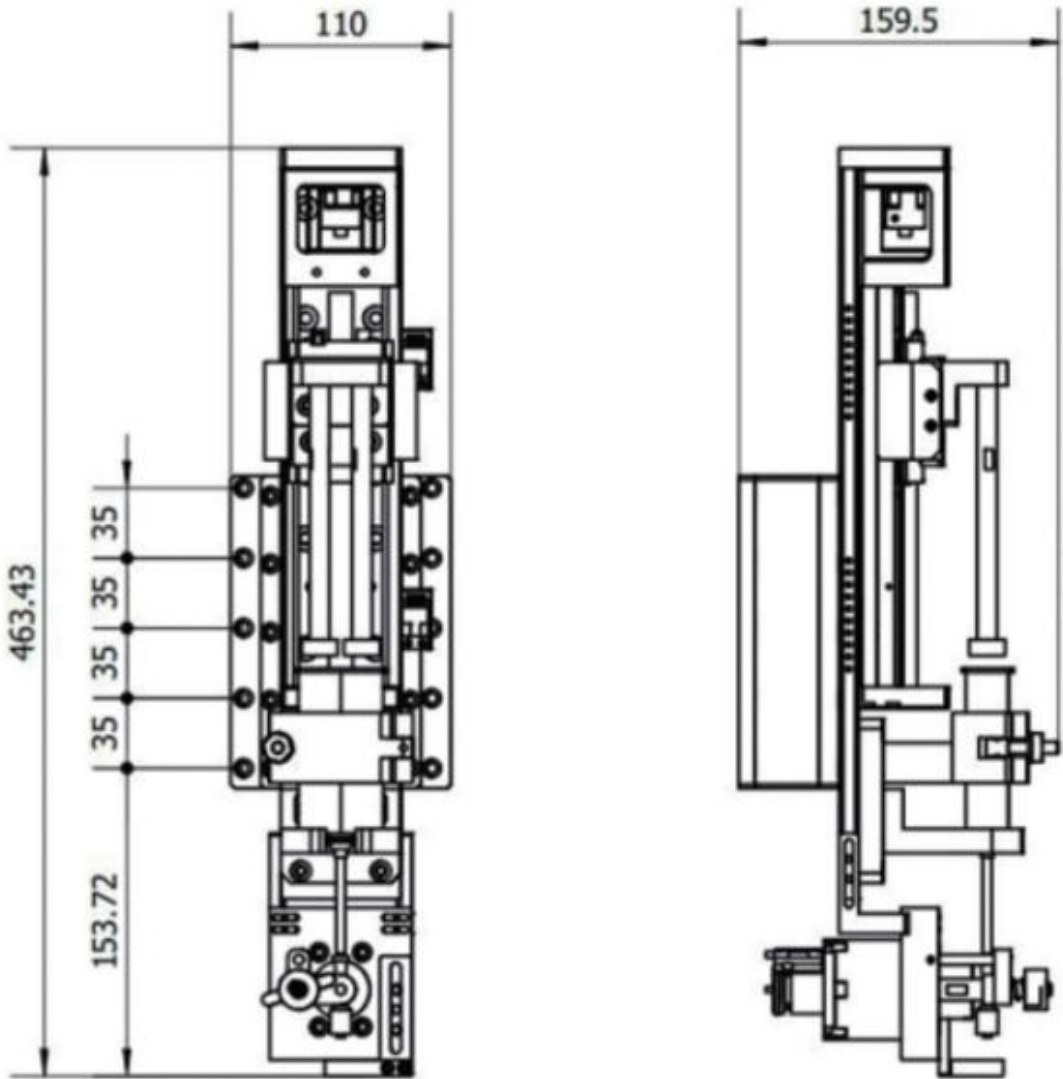


The servo screw dispensing valve precisely meters adhesives through servo motor control, delivering high-precision dispensing performance. Dispensing parameters can be accurately configured via the touchscreen interface.

All adhesive-contacting components are disposable and replaceable, making maintenance simple and eliminating concerns about cleaning hardened adhesive residues. The valve provides significant advantages when dispensing instant adhesives. A cooling module can be added to delay curing time when needed.

Basic Parameters	
Dimensions (L×W×H)	200 × 73 × 90 mm
Weight	2kg
Driving Air Pressure	0.4~0.6 MPa
Applicable Adhesive Viscosity	5000~150,000cps
Maximum Operating Frequency	40 cycles/min
Drive Components	Servo motor, ball screw
Fluid Chamber	PE (Polyethylene)
Application Scenarios	Filling, Line Dispensing, Dot Dispensing
Compatible Fluids	Two-component AB adhesives, Cyanoacrylate adhesives (instant glue)

Item Model: Servo Screw Dispensing Valve STJ-002



Feeding System (High Viscosity)			
		Original Model	Revised Model
Single Component	300cc / 500 / 850 Pneumatic Feeding System	CTR-300	CTR-300
	300 / 500 / 850 Screw Pump Feeding System		MP-300-5
	2600cc Screw Pump Feeding System		MP-2600-5
	5-Gallon Screw Type Drum Press Pump	D60	MP-5-14
	5-Gallon Plunger Type Drum Press Pump	Changjia ng 6520	PP30-5-100
	55-Gallon Screw Type Drum Press Pump	/	MP-55-70
	55-Gallon Plunger Type Drum Press Pump	Changjia ng 6520B	PP65-55-200
Dual Component	300 / 500 / 850 Screw Pump Feeding System		DMP-300-5
	2600cc Screw Pump Feeding System		DMP-2600-5
	5-Gallon Dual-Component Screw Type Drum Press Pump	D61	DMP-5-14
Feeding System (Low Viscosity)			
Single Component	20L Single-Component Feeding System		LV20
	40L Single-Component Feeding System		LV40
Dual Component	20L Dual-Component Feeding System		DLV20
	40L Dual-Component Feeding System		DLV40
	60L Dual-Component Feeding System		DLV60