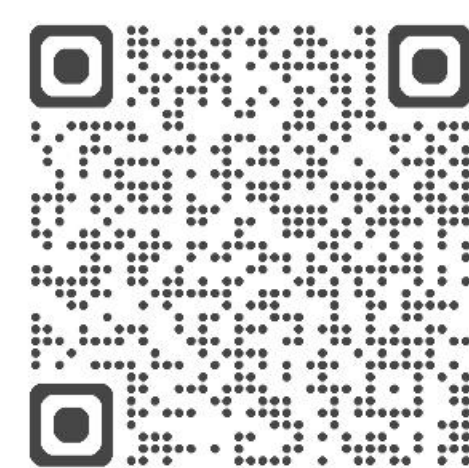




YOUTUBE



OFFICIAL WEBSITE

Innofluid Co.,Ltd.
Building 10, No.860, Xinyang Road, Lingang
New Area Pilot Free Trade Zone, Shanghai, China.

Website: www.innofluid.com
Email: info@innofluid.com

INNOFLUID



**INDUSTRIAL
PERISTALTIC PUMP
5 YEARS WARRANTY**



IP66/IP67/IP68

INNOFLUID CO.,LTD.

IP66/IP67/IP68 protection rating

Ensure long-term stable operation

- **Touch screen operation panel**
Sealed without dead end
- **Stainless steel bearing**
The pump head can work normally even immersed in water.
- **Motor shaft**
Equipped with high-pressure sealing ring, handles deep water pressure easily.
- **Pump drive**
Fully sealed shell structure ensures IP66/IP67/IP68 protection rating.



(Immersion test)

CONTENTS

01 Technical Specifications

IP Ratings	01
Parameter comparison	03
HP Series	05
HPM Series	07
HPN Series	09
HPM-SS Series	11
HPM600G	13
V6 Series	15
M6 Series	17
N6 Series	19

02 Pump Head

AMC	21
EasyPump	22
KD15/KD25	24
UC25-II	26
DZ25-3L	27
DZ25-6L	28
YZ25-6L	29
GY15	30
DY15	31
DY25	32
DY35	33
YZ35-II	34
UT35	35
DZ45	36

03 Test report

Certificates	37
Protection Grade Test Report	38

04 Service Area & Tubing

Service Area	39
Peristaltic Pump Tubing & Accessories	40

IP RATINGS

HIGH PROTECTION
INDUSTRIAL PERISTALTIC PUMP



NO LEAKAGE AFTER 8 HOURS
OF SUBMERSION WORK

IP[XX]			
SOLIDS		WATER	
0	NO protection	NO protection	0
1	Solid foreign objects diameter >50mm	Vertical dripping water	1
2	Solid foreign objects diameter >12mm	Dripping water when tilted at 15°	2
3	Solid foreign objects diameter >2.5mm	Spraying water	3
4	Solid foreign objects diameter >1mm	Splashing water	4
5	Dust protected	Water jets	5
6	Dust-tight	Powerful water jets	6
		Short time immersion, up to 1 meter depth	7
		Continuous immersion, 1 meter or more depth	8

HPM-SS Series

IP66

HPM100-SS
HPM600-SS
HPM600U-SS
HPM100E-SS
HPM600E-SS
HPM600UE-SS

HPN Series

IP66

HPN100/HPN300



HPM Series

IP66

HPM100/HPM600
HPM600U/HPM600G

HP Series

IP66/IP67/IP68

HP300/HP350/HP600



Parameter comparison

Parameter/Model	HP Series	HPM Series
Enclosure Standard	GB/T4208-2017, Q/BSC01-2019	
EMC Standard	IEC61000-6-2:2016、IEC61000-6-4:2018、IEC61000-3-2:2020、IEC61000-3-3:2017 GB/T17799.2-2023、GB17799.4-2022、GB17625.1-2022、GB/T17625.2-2007	
Housing Material	Aluminum alloy	Aluminum alloy
Speed	HP300:0.1-300rpm HP350:0.1-350rpm HP600:0.1-600rpm	HPM100:0.1-150rpm HPM600:0.1-600rpm HPM600U:0.1-600rpm
Speed Adjustment Resolution	0.01rpm	
Dispaly	4.3" industrial-grade true color LCD screen	
Control mode	Touch screen, mechanical keypad, external signal, and communication control	
Operating Modes	Transfer mode, dispensing mode (fixed volume, dispensing, speed dispensing)	
Transfer Mode	Continuous running based on preset flow rate and speed	
Dispensing Mode	Timed Volume Dispensing: Set dispensing volume, dispensing time, cycles, and interval time. Fixed Volume Dispensing: Set dispensing volume, flow rate, cycles, and interval time. Speed-Based Dispensing: Set speed (rpm), dispensing time, cycles, and interval time.	
Dispensing Volume Range	0.1mL-9999L	
Dispensing Time Range	0.1s-9999h	
Interval Time Range	0.5s-9999s	
Dispensing Cycles	1-9999, 0 for infinite	
Calibration	Automatic calibration after entering the actual dispensed volume	
Back-Suction Angle	0-360°	
Communication Interface	RS485/RS232	RS485
Communication Protocol	Modbus protocol (RTU mode)	
External speed control signal	0-5V, 0-10V, 4-20mA (optional)	
External control input	Active switch signal (5-24V) for start/stop, direction, and full speed; Passive switch signal for start/stop	
Signal Output	Open collector output for running status	
Speed-Frequency Output	/	600-3000Hz
Speed-Analog Output	/	4-20mA
Lid-open Stop	Available for specific pump heads	
3-Level User Authority Management	Management Flexible configuration of operational permissions	
Drive Dimensions(L*W*H)	418mm*284mm*335mm	273mm*160mm*221mm
Power Supply	AC 220V 50/60Hz AC 110V 50/60Hz	AC 110-240V 50/60Hz
Rated Power	300W	110W
Operating Relative Humidity	<100%	
Operating Temperature	0-40℃	
IP Rating	IP66/IP67/IP68	IP66
Drive Weight	21.5kg	6.2kg

Parameter/Model	HPM-SS Series	HPN Series
Enclosure Standard	GB/T4208-2017, Q/BSC01-2019	
EMC Standard	IEC61000-6-2:2016、IEC61000-6-4:2018、IEC61000-3-2:2020、IEC61000-3-3:2017 GB/T17799.2-2023、GB17799.4-2022、GB17625.1-2022、GB/T17625.2-2007	
Housing Material	Stainless Steel 304	Aluminum alloy
Speed	HPM100-SS/HPM100E-SS:0.1-150rpm HPM600-SS/HPM600E-SS:0.1-600rpm HPM600U-SS/HPM600UE-SS:0.1-600rpm	HPN100:0.1-150rpm HPN300:0.1-350rpm
Speed Adjustment Resolution	0.01rpm	0.1rpm
Dispaly	4.3" industrial-grade true color LCD screen	3.2" industrial-grade true color LCD screen
Control mode	Touch screen, mechanical keypad, external signal, and communication control	Mechanical keypad, external signal, and communication control
Operating Modes	Transfer mode, dispensing mode (fixed volume, dispensing, speed dispensing)	Transfer Mode, Timed Dispensing
Transfer Mode	Continuous running based on preset flow rate and speed	Continuous running at preset speed with real-time flow rate display
Dispensing Mode	Timed Volume Dispensing: Set dispensing volume, dispensing time, repeat No. pause time. Fixed Volume Dispensing: Set dispensing volume, flow rate, cycles, and interval time. Speed-Based Dispensing: Set speed (rpm), dispensing time, cycles, and interval time.	Timed Dispensing: Set dispensing time, cycles, and interval time; automatically stops after running based on preset parameters.
Dispensing Volume Range	0.1mL-9999L	/
Dispensing Time Range	0.1s-9999h	
Interval Time Range	0.5s-9999s	0.1s-9999h
Dispensing Cycles	1-9999, 0 for infinite	
Calibration	Automatic calibration after entering the actual dispensed volume	Enter the actual dispensed volume, then press the 'ENT' key to calibrate
Back-Suction Angle	0-360°	
Communication Interface	HPM-SS: RS485/HPME-SS: EtherNet	RS485
Communication Protocol	Modbus protocol (RTU mode) / Modbus TCP/IP	Modbus protocol (RTU mode)
External speed control signal	0-5V, 0-10V, 4-20mA (optional)	
External control input	Active switch signal (5-24V) for start/stop, direction, and full speed; Passive switch signal for start/stop	
Signal Output	Open collector output for running status	
Speed-Frequency Output	600-3000Hz	/
Speed-Analog Output	4-20mA	/
Lid-open Stop	Available for specific pump heads	
3-Level User Authority Management	Management Flexible configuration of operational permissions Data Logs Export Function	/
Drive Dimensions(L*W*H)	312.7mm*159.7mm*221.1mm	274mmx162mmx223mm
Power Supply	AC 110-240V 50/60Hz	AC 110-240V 50/60Hz
Rated Power	100W	80W
Operating Relative Humidity	<100%	
Operating Temperature	0-40℃	
IP Rating	IP66	
Drive Weight	11.5kg	5.9kg

HP Series



Intelligent control system

- 4.3-inch color LCD touch screen with buttons,easy operation, better visual effect.
- Real-time animation displays the running status.
- Flow rate, setting parameters and system configuration are displayed in same screen.
- Intelligent calibration function.
- Multiple external control methods easily meet the remote control requirements.
- 3-Level User Authority Management.

Cast body design

- Excellent heat dissipation performance.Under full load conditions:HP600 (withYZ35 pump head) motor temperature only rises 12°C.

Inside and outside of the external control interface are both circuit isolation.

- Reduce electromagnetic interference and accidental damageto ensure the safe operation of the main control systemand the associated equipment.

Servo motor

- High precision, high torque,stable operation, low noise.

Passed EMC test

- Excellent anti-electromagnetic interference.

Automatic pressure control device

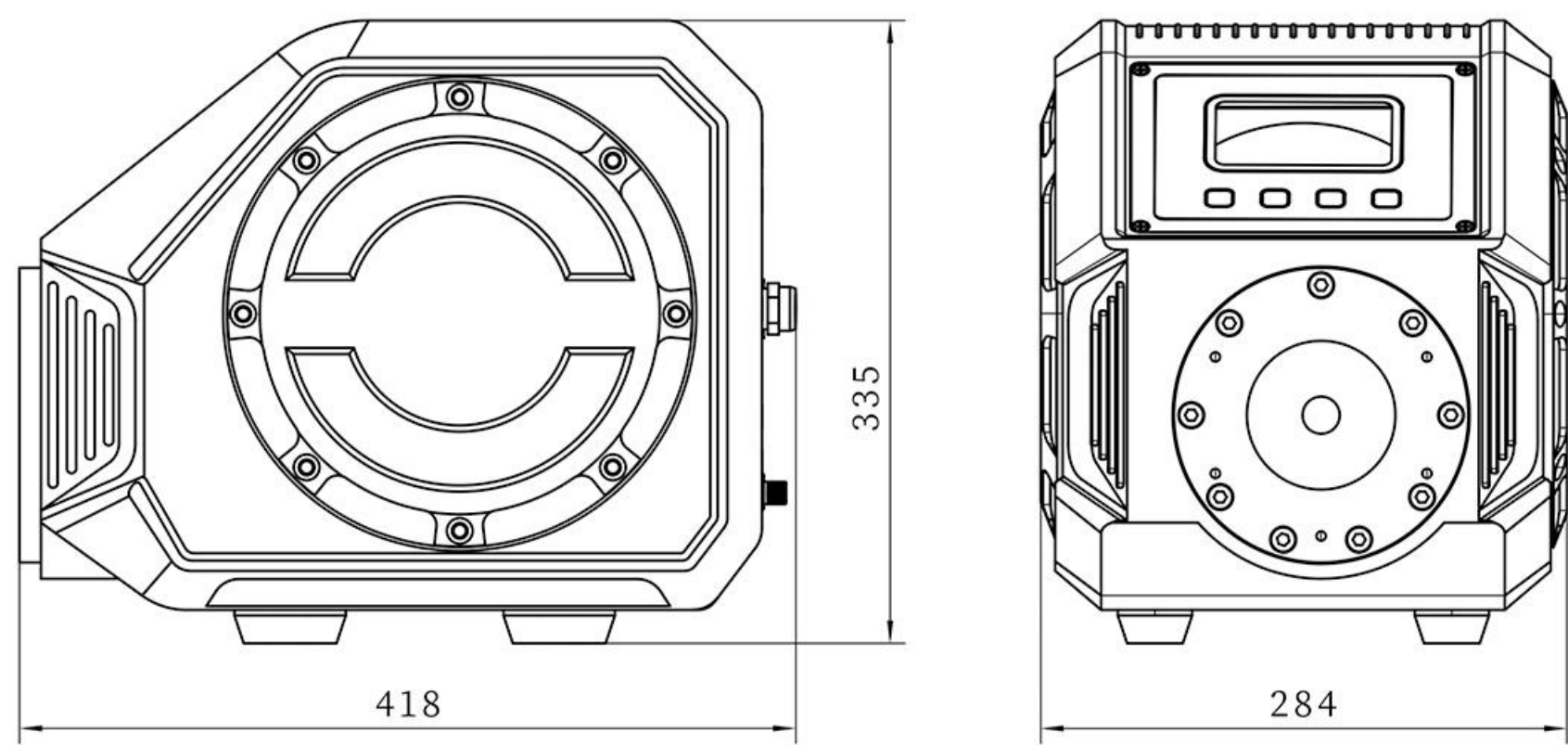
- Control the internal air pressure during the pump working,ensure the balance of internal and external pressure.

IP66/IP67/IP68 Protection

Suitable Pump Head



Driver Dimension Drawing(Unit:mm)



Intelligent control system



Technical Specifications

Model	Pump Head	Tubing	Speed	Flow Rate
HP300	DZ45	193#,88#,189#,191#,92#	0.1-300rpm	0.0019-28.15L/min
HP350	DY35	73#,82#	0.1-350rpm	2.25-12740mL/min
	DY25	15#,24#,35#,36#		0.42-4340mL/min
	DY15	13#,14#,19#,16#,25#,17#,18#		0.01-3337mL/min
HP600	YZ35-II	26#,73#,82#,	0.1-600rpm	0.69-12000mL/min
	DZ25-6L	15#,24#,35#,36#		0.3-6000mL/min
	YZ25-6L	15#,24#,35#,36#		0.3-6000mL/min
HP265	UT35	26#,73#,82#,15.9x3.3,12x4,17x4	0.1-265rpm	1.132-18000mL/min

HPM Series



Intelligent control system

- 4.3-inch color LCD touch screen with buttons,easy operation, better visual effect.
- Real-time animation displays the running status.
- Flow rate, setting parameters and system configuration are displayed in same screen.
- Intelligent calibration function.
- Multiple external control methods easily fit the remote control requirements.
- 3-Level User Authority Management.

GMP standards

- The surface is easy to clean and disinfect.

The whole pump is IP66

- Ensure long-term stable operation of the pump.

Aluminum alloy body

- Excellent heat dissipation performance.

Lid-open stop

- Prevent misoperation, safeguard user safety.

Internal and external control interfaces adopt circuit isolation

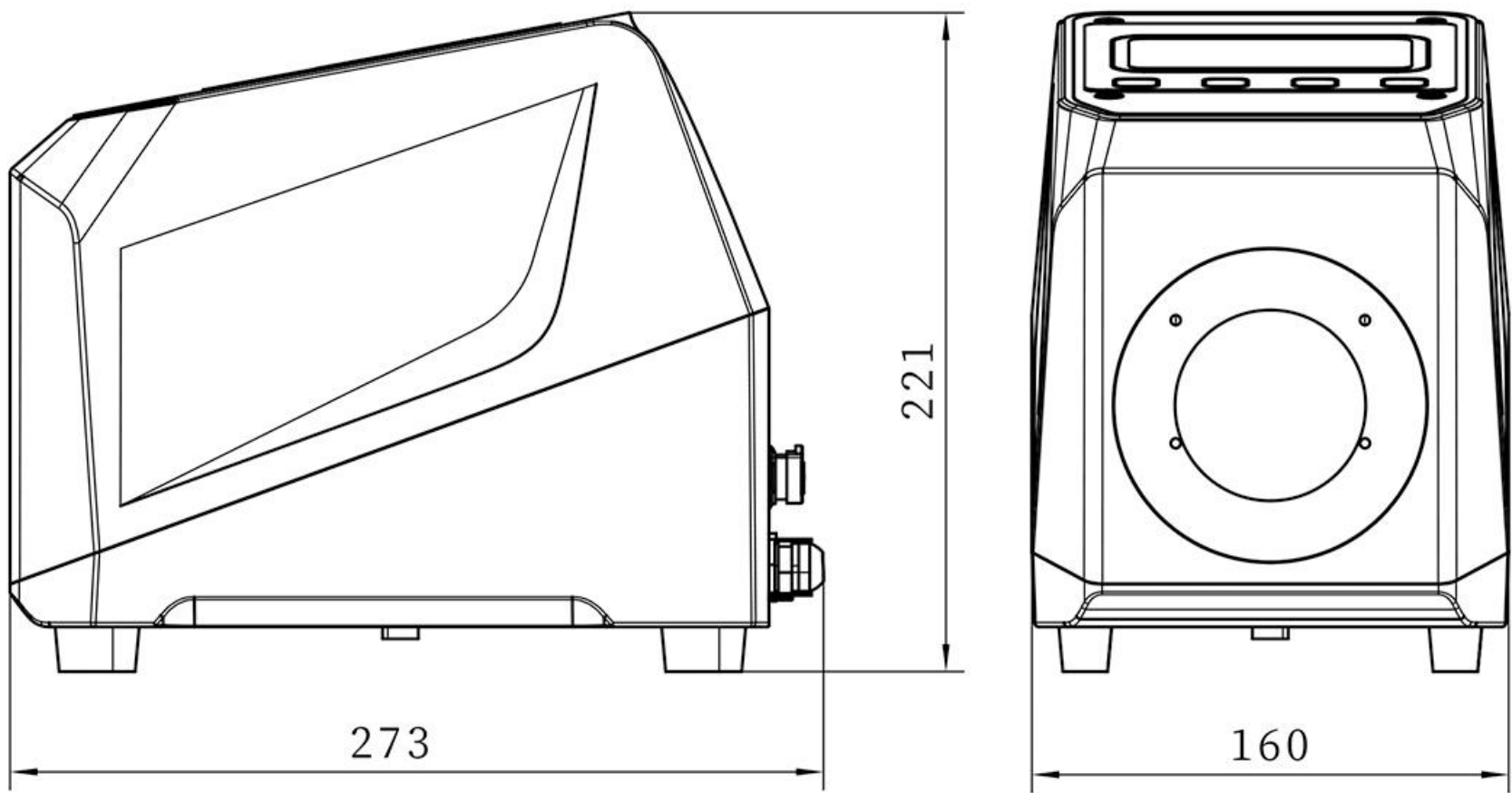
- Reduce electromagnetic interference and accidental damage to ensure safe operation of the main control system and related equipment.

Protection IP66

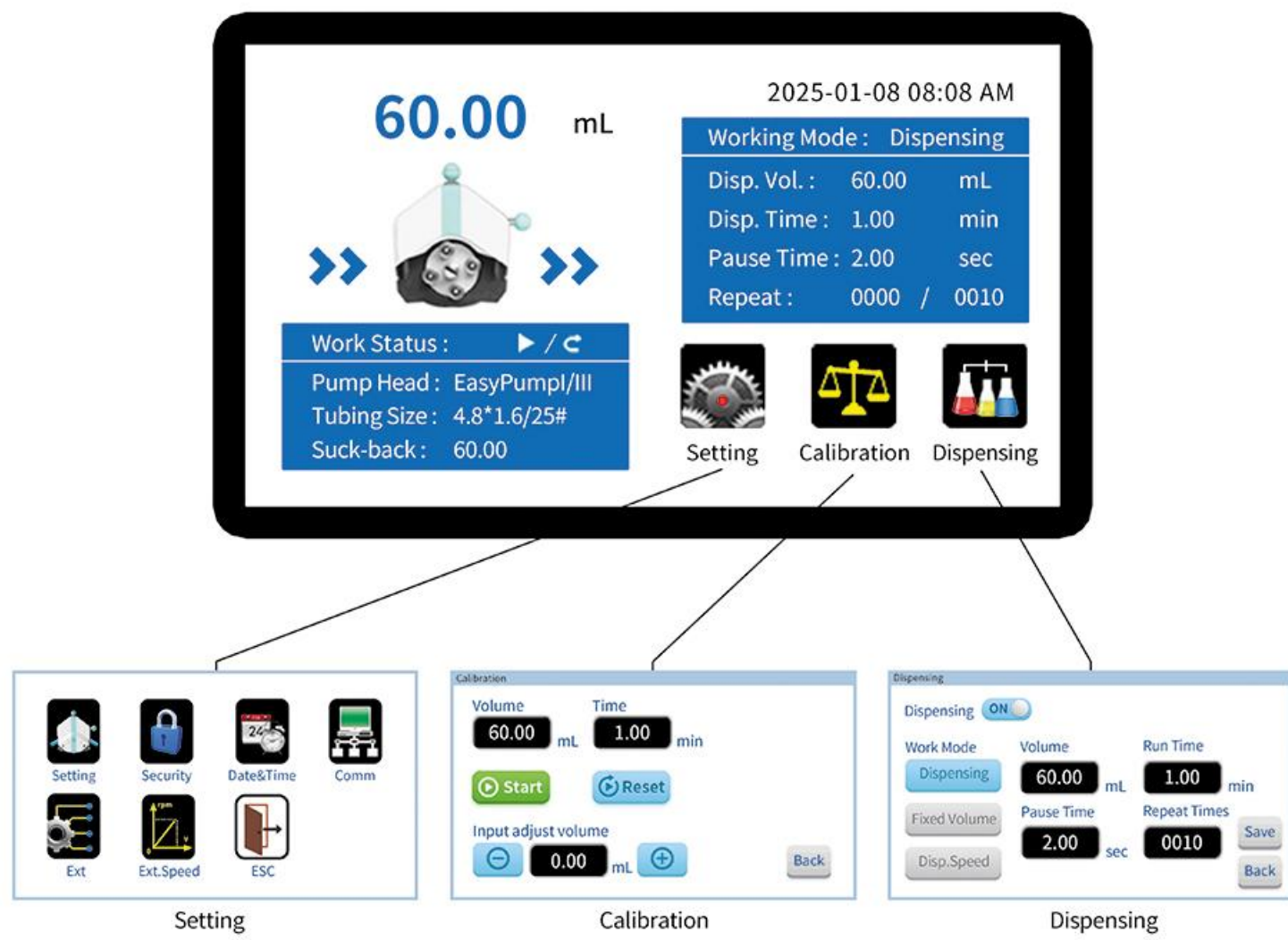
Suitable Pump Head



Driver Dimension Drawing(Unit:mm)



Intelligent control system



Technical Specifications

Model	Pump Head	Tubing	Speed	Flow Rate
HPM100	AMC	1x1,2x1,2.4x0.8,3x1,0.13x0.86,0.19x0.86,0.25x0.86,0.51x0.86,0.89x0.86,1.14x0.86,1.42x0.86,2.06x0.86,2.79x0.86	0.1-150rpm	0.0002-65.17mL/min
HPM600	EasyPump	13#,14#,19#,16#,25#,17#,18#,15#,24#,35#,36#	0.1-600rpm	0.0053-3100mL/min
	KD15/25	13#,14#,19#,16#,25#,17#,18#,15#,24#		0.0079-3027.97mL/min
	DZ25-3L	15#,24#,35#,36#		0.211-3600mL/min
	DZ25-6L	15#,24#,35#,36#		0.3-6000mL/min
	YZ25-6L	15#,24#,35#,36#		0.3-6000mL/min
HPM600U	UC25-II	15#,24#		0.347-3300mL/min

HPN Series



Intelligent control system

- 3.2-inch color LCD touch screen with buttons,easy operation, better visual effect.
- Real-time animation displays the running status.
- Flow rate, setting parameters and system configuration are displayed in same screen.
- Supports flow calibration and online fine-tuning.
- Multiple external control methods easily fit the remote control requirements.
- Key lock function supported.

GMP standards

- The surface is easy to clean and disinfect.

The whole pump is IP66

- Ensure long-term stable operation of the pump.

Lid-open stop

- Prevent misoperation, safeguard user safety.

Aluminum alloy body

- Excellent heat dissipation performance.

Quick-plug power interface

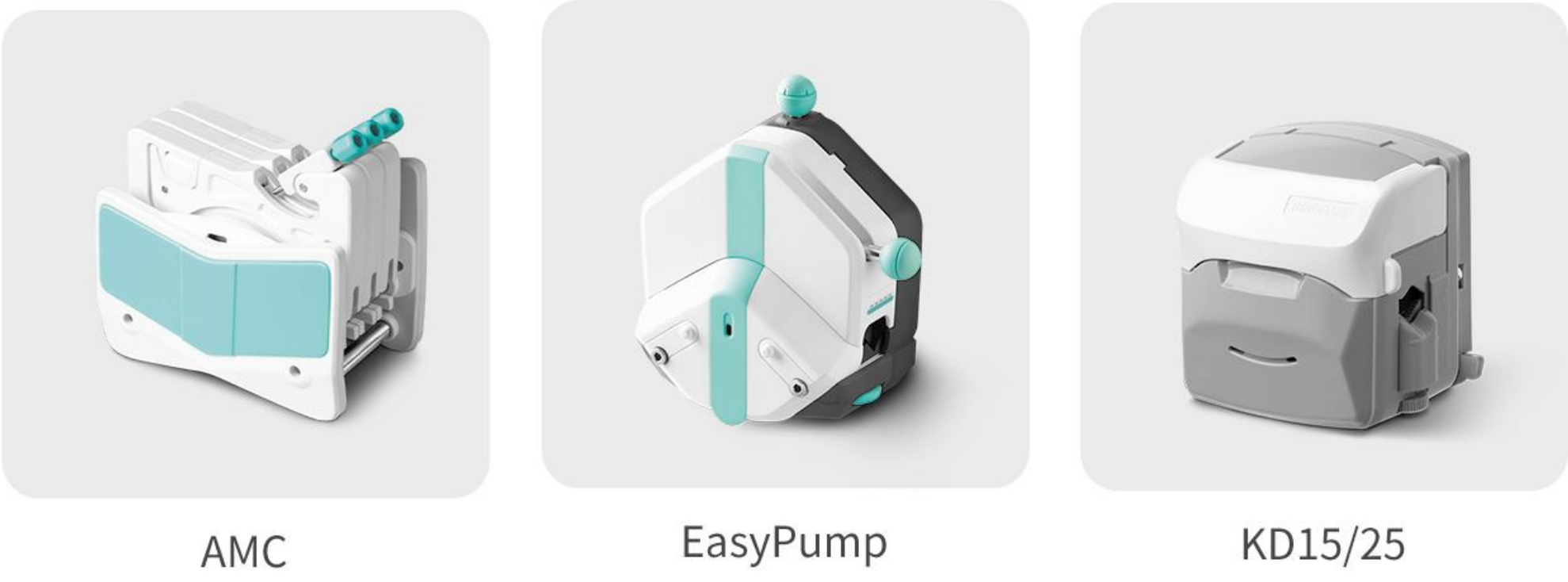
- High-protection quick-plug structure with lock

Internal and external control interfaces adopt circuit isolation

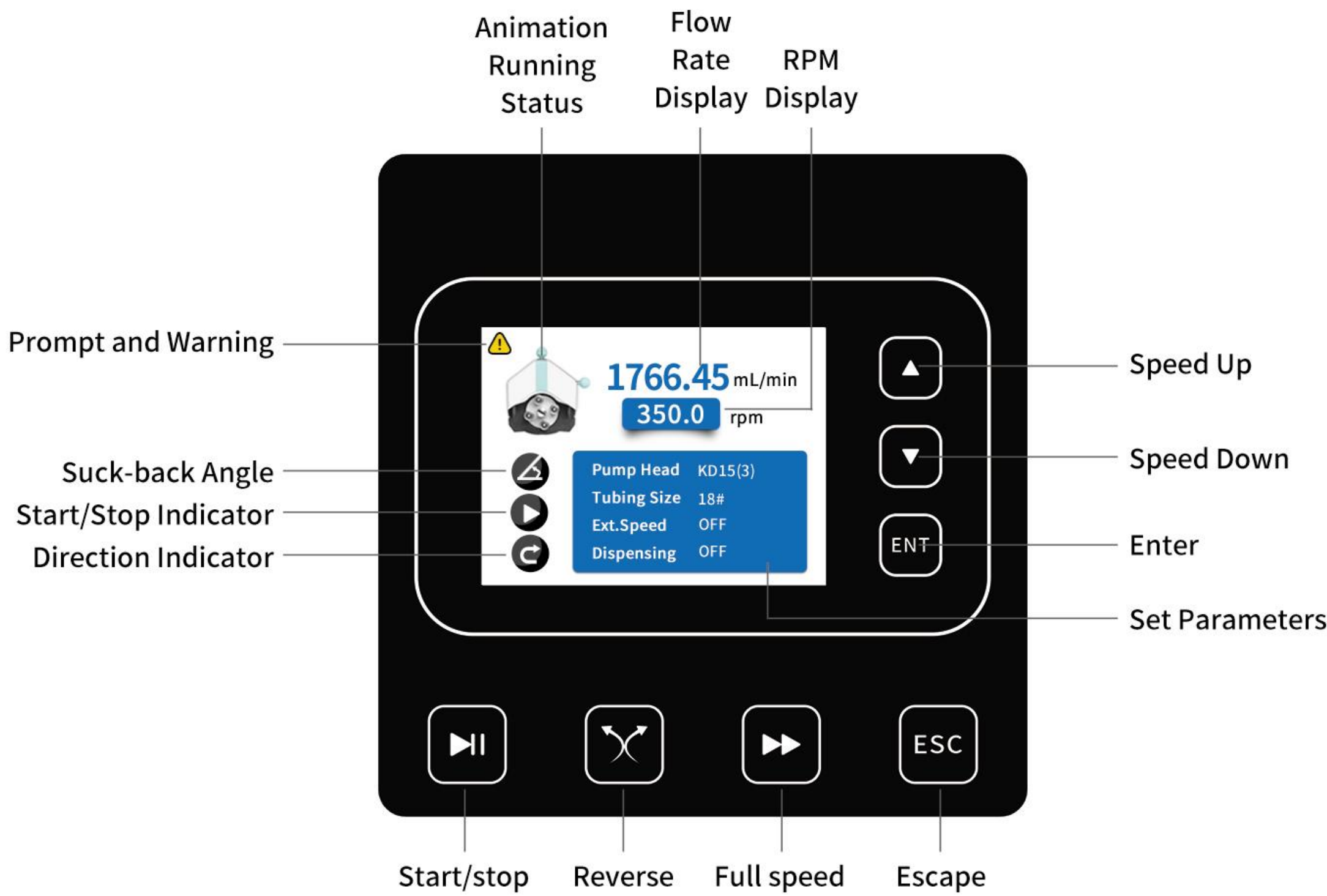
- Reduce electromagnetic interference and accidental damage to ensure safe operation of the main control system and related equipment.

Protection IP66

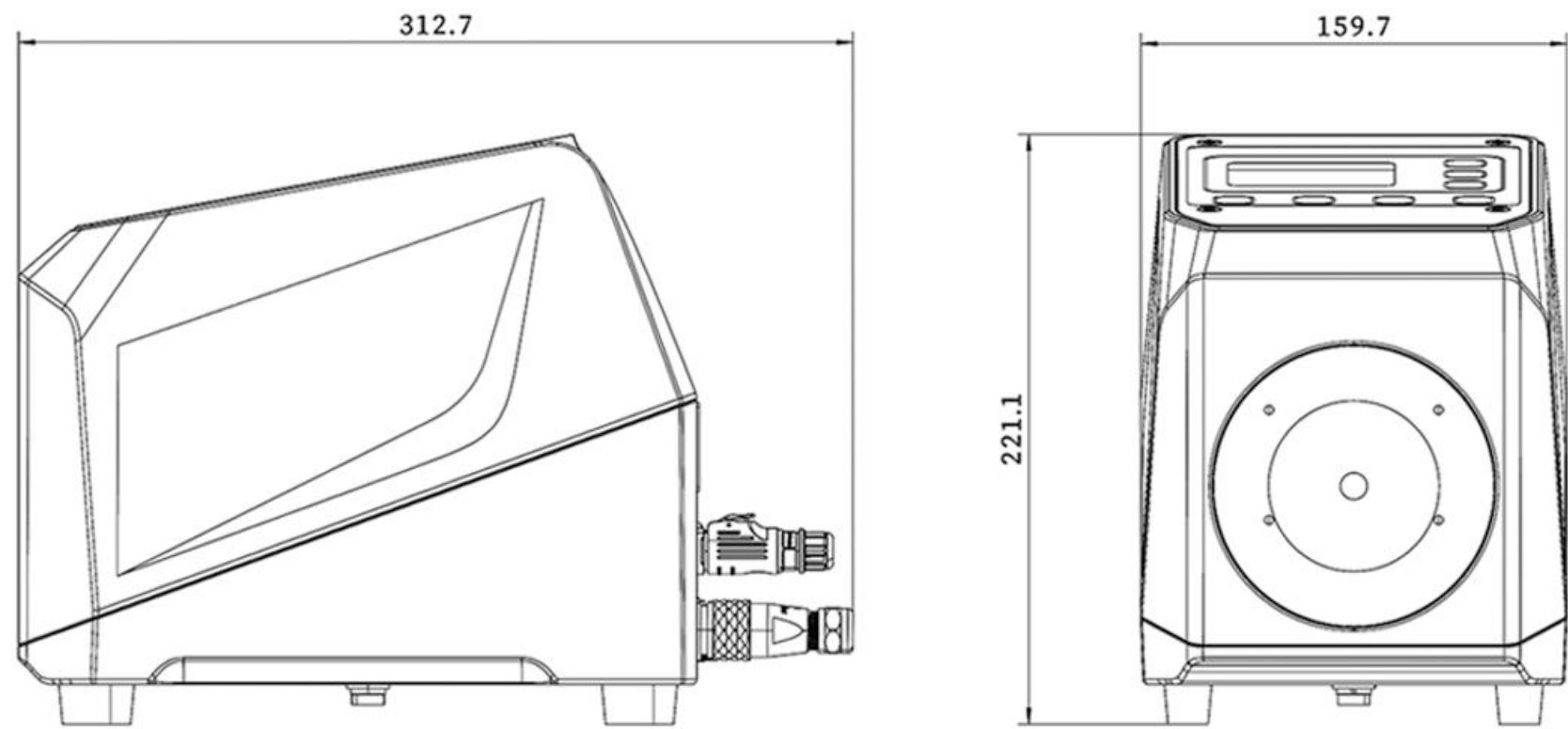
Suitable Pump Head



Intelligent control system



Driver Dimension Drawing(Unit:mm)



Technical Specifications

Model	Pump Head	Tubing	Speed	Flow Rate
HPN100	AMC	1x1,2x1,2.4x0.8,3x1,0.13x0.86,0.19x0.86,0.25x0.86,0.51x0.86,0.89x0.86,1.14x0.86,1.42x0.86,2.06x0.86,2.79x0.86	0.1-150rpm	0.0002-65.17mL/min
HPN300	EasyPump	13#,14#,19#,16#,25#,17#,18#,15#,24#,35#,36#	0.1-350rpm	0.0053-1808 mL/min
	KD15/25	13#,14#,19#,16#,25#,17#,18#,15#,24#		0.0079-1766.32 mL/min

HPM-SS Series



Intelligent control system

- 4.3-inch color LCD touch screen with buttons,easy operation, better visual effect.
- Real-time animation displays the running status.
- Flow rate, setting parameters and system configuration are displayed in same screen.
- Supports flow calibration and online fine-tuning.
- Multiple external control methods easily fit the remote control requirements.
- Supports multiple fieldbus communications(RS485/EtherNet).
- Speed-Analog/pulse Output.
- 3-Level User Authority Management.
- Data Logs Export Function.

Stainless steel 304

- High structural strength; compact and space-saving.

GMP standards

- The surface is easy to clean and disinfect.

The whole pump is IP66

- Excellent heat dissipation performance.

Internal and external control interfaces adopt circuit isolation

- Reduce electromagnetic interference and accidental damage to ensure safe operation of the main control system and related equipment.



Lid-open stop & Leak detection

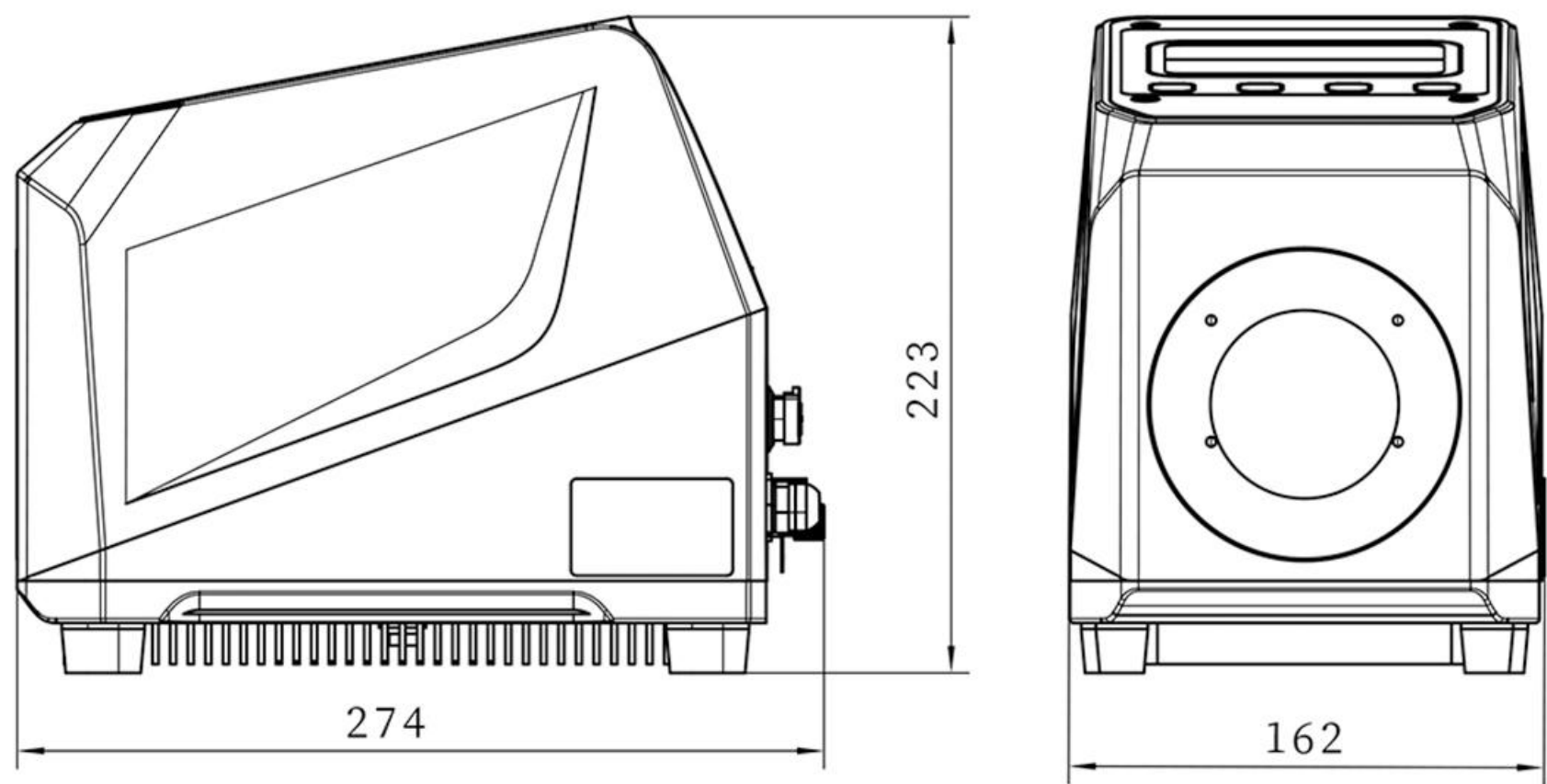
- Prevent misoperation, safeguard user safety.

Protection IP66

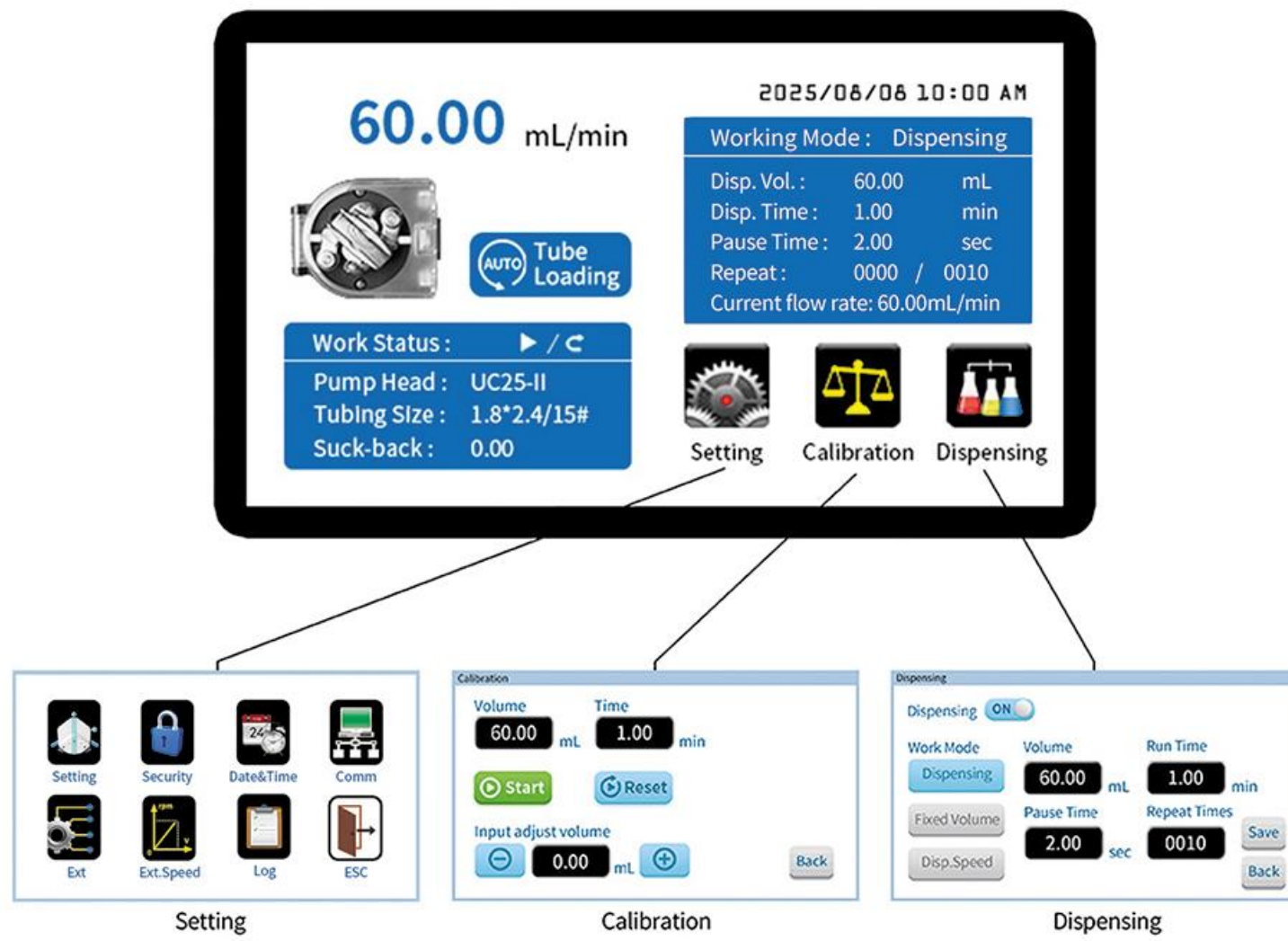
Suitable Pump Head



Driver Dimension Drawing(Unit:mm)



Intelligent control system



Technical Specifications

Model	Pump Head	Tubing	Speed	Flow Rate
HPM100-SS HPM100E-SS	AMC	1x1,2x1,2.4x0.8,3x1,0.13x0.86,0.19x0.86, 0.25x0.86,0.51x0.86,0.89x0.86,1.14x0.86, 1.42x0.86,2.06x0.86,2.79x0.86	0.1-150rpm	0.0002-65.17mL/min
HPM600-SS HPM600E-SS	EasyPump	13#,14#,19#,16#,25#,17#,18#,15#,24#,35#,36#	0.1-600rpm	0.0053-3100mL/min
	KD15/25	13#,14#,19#,16#,25#,17#,18#,15#,24#		0.0079-3027.97mL/min
	DZ25-3L	15#,24#,35#,36#		0.211-3600mL/min
	DZ25-6L	15#,24#,35#,36#		0.3-6000mL/min
	YZ25-6L	15#,24#,35#,36#		0.3-6000mL/min
HPM600U-SS HPM600UE-SS	UC25-II	15#,24#		0.347-3300mL/min

HPM600G/GY15



High Pressure Pump Head
Maximum pressure up to 0.8 MPa with stable output.

Intelligent control system

- 4.3-inch color LCD touch screen with buttons,easy operation, better visual effect.
- Real-time animation displays the running status.
- Flow rate, setting parameters and system configuration are displayed in same screen.
- Intelligent calibration function.
- Multiple external control methods easily fit the remote control requirements.
- 3-Level User Authority Management.

GMP standards

- The surface is easy to clean and disinfect.

The whole pump is IP66

- Ensure long-term stable operation of the pump.

Aluminum alloy body

- Excellent heat dissipation performance.

Lid-open stop

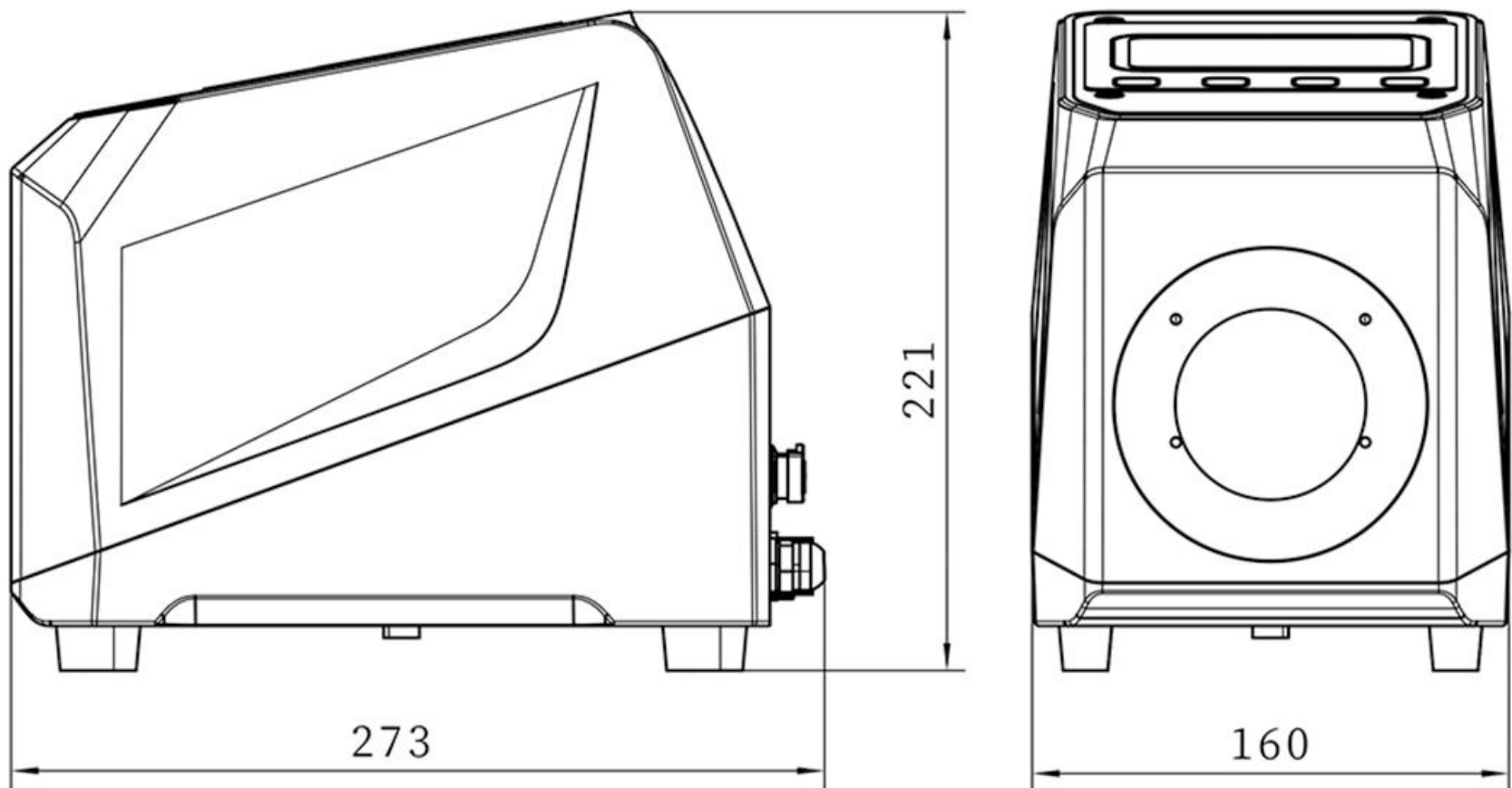
- Prevent misoperation, safeguard user safety.

Internal and external control interfaces adopt circuit isolation

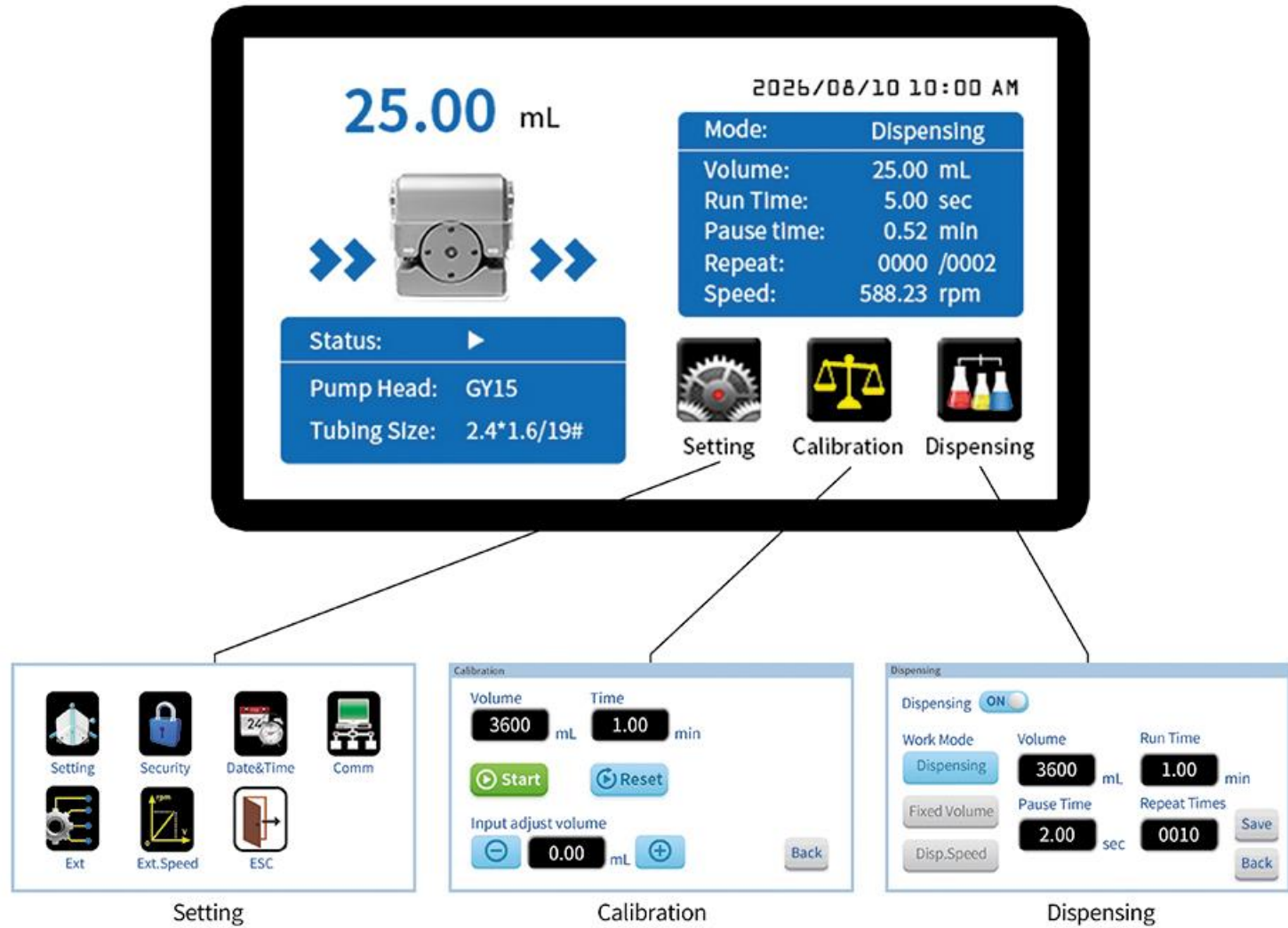
- Reduce electromagnetic interference and accidental damage to ensure safe operation of the main control system and related equipment.

Protection IP66

Driver Dimension Drawing(Unit:mm)



Intelligent control system



Technical Parameter

EMC Standard	IEC 61000-6-2/IEC 61000-6-4/IEC 61000-3-2/IEC 61000-3-3	Communication protocol	Modbus protocol (RTU mode)
Housing material	Aluminum alloy	External control speed signal	0-5V, 0-10V, 4-20mA (optional)
Speed range	0.1-600 rpm	External control signal input	Active switch signal (5-24V) controls start/stop, direction; Passive switch signal controls start/stop
Speed adjustment resolution	0.01 rpm	Signal output	Open collector output operation status; 4-20mA output
Display	4.3-inch industrial-grade color LCD screen	Status Output	Open collector output for running status
Control modes	Touch screen, mechanical keypad, external control signal control, communication control	Frequency Output	Speed-Frequency Output, Frequency Range 600Hz-3000Hz
Working modes	Transferring mode, dispensing mode (Fixed volume, dispensing, speed dispensing)	Signal output	Open collector output operation status; 4-20mA output
Transferring mode	Continuous operation at set flow rate and speed	Three levels of permissions	Three user access levels (Administrator, Technician, and Operator) with distinct permission settings
Dispensing mode	Dispensing:Set volume, time, repeat numbers, pause time Speed dispensing:Set speed (rpm), time, repeat numbers, pause time	Leak detection function	Immediately stop operation upon leak detection
Dispensing volume range	0.1ml-9999L	Drive dimension	273mm*160mm*221mm
Dispensing time range	0.1s-9999h	Power supply	AC110V-220V, 50/60Hz
Pause time range	0.5s-9999h	Rated power	110W
Repeat numbers	1-9999 times, 0 means unlimited times	Relative humidity	<90%
Calibration	Automatic calibration after inputting actual running liquid volume	Working environment	0-40℃
Communication interface	RS485	Protection level	IP66
		Drive weight	6.3kg

Technical Specifications

Model	Pump Head	Tubing	Speed	Flow Rate
HPM600G	GY15	14#,19#,16#	0.1-600rpm	0.0255-513mL/min

Flow Rates Peristaltic Pump

V6-3L/V6-6L/V6-12L

- 304

304
Stainless
steel
- CE

CE Safety
Certification
- 3 YEARS

WARRANTY
- Three year
warranty



- 4.3" true color LCD screen touch screen
- Large flow rate, high precision, intelligent control of liquid transferring.
- Closed-loop stepper motor drive, accurate control, strong driving force.
- 304 stainless steel housing, the first choice for high level industrial sites.

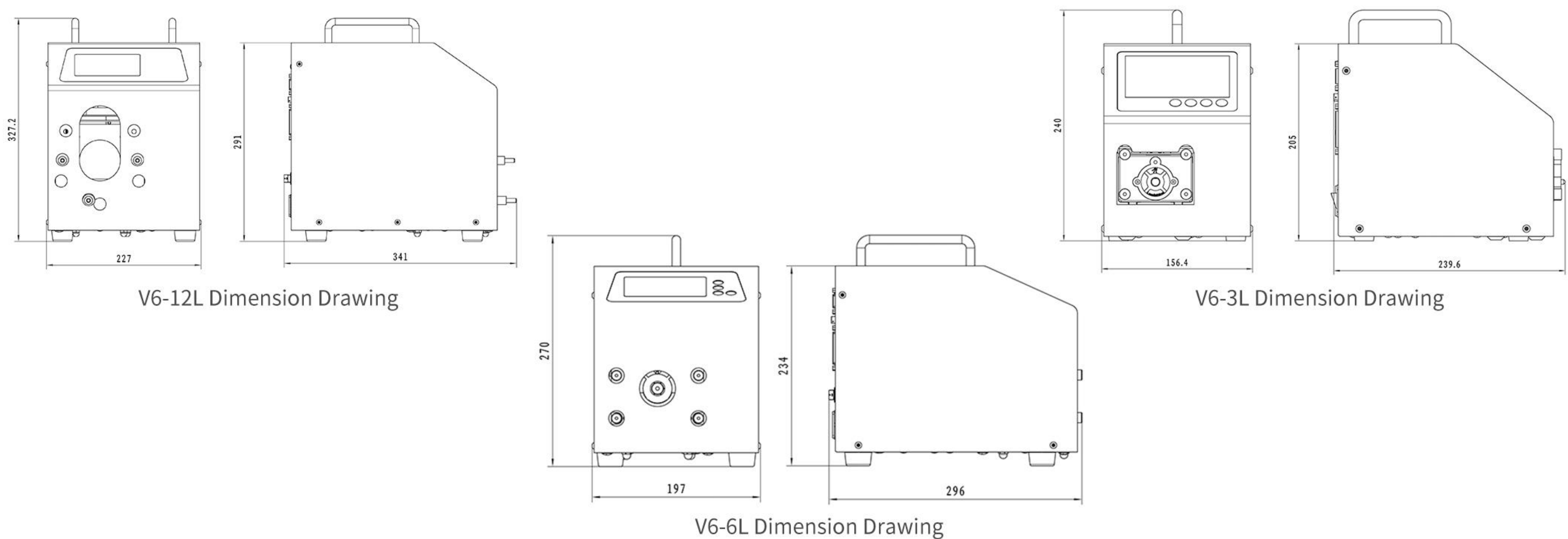
Model Number

- V6-3L/EasyPump
- V6-6L/DZ25-6L
- V6-3L/KD15/KD25
- V6-12L/YZ35-II
- V6-3L/DZ25-3L

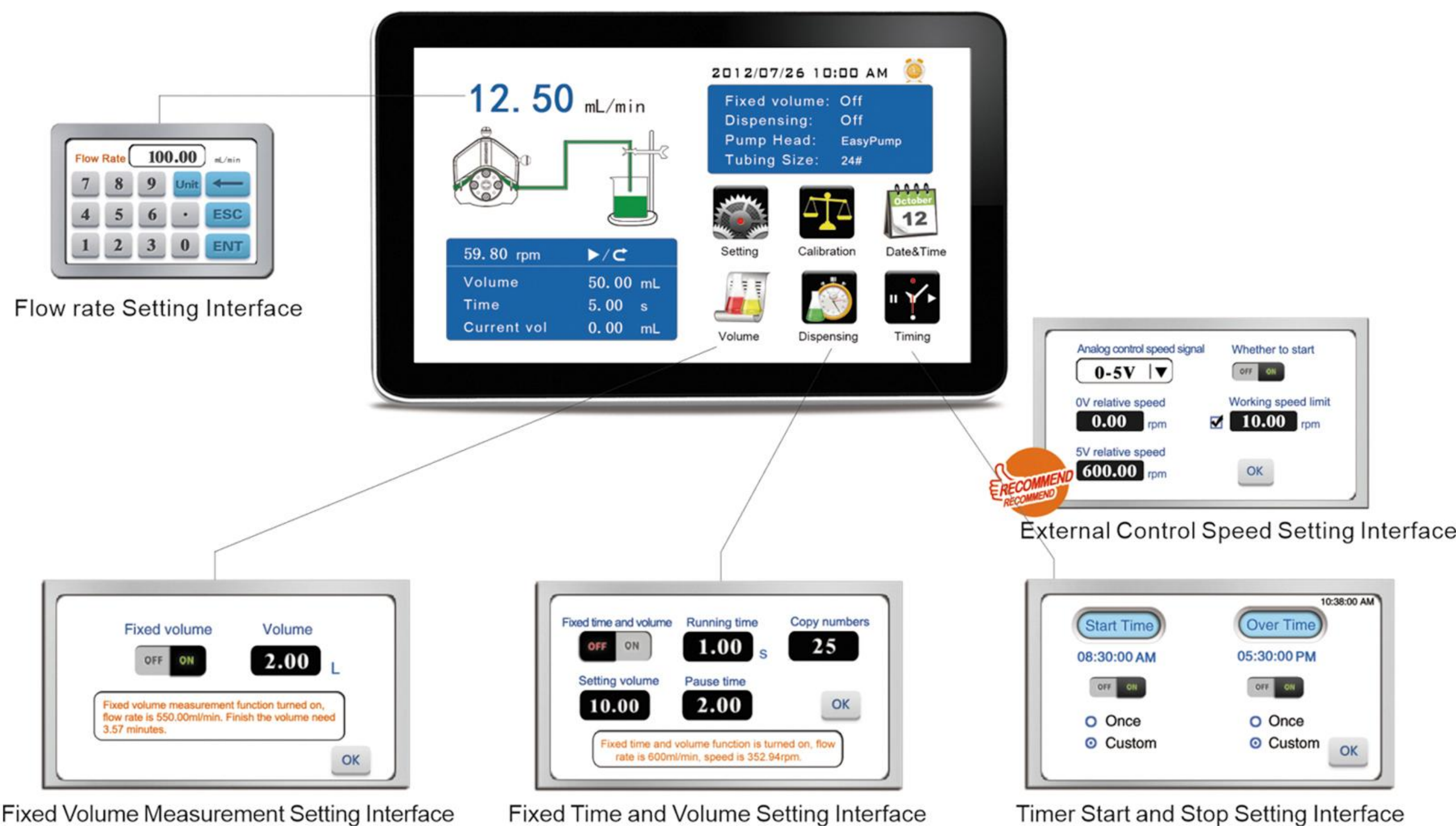
Suitable Pump Head



Driver Dimension Drawing(Unit:mm)



Control Interface



Technical Specifications

Technical Specifications			
Flow rate range	V6-3L: 0.0053-3600 mL/min	Display	Industrial grade 4.3" color LCD display
	V6-6L: 0.3-6000 mL/min	Control method	Touch screen and Mechanical keypad
	V6-12L: 0.69-12000 mL/min	Keypad lifetime	300,000 times
Speed range	0.1-600 rpm	External speed control signal	0-5V,0-10V,4-20mA
Speed resolution	0.01 rpm	Start/stop,direction signal	Passive switch signal, such as foot pedal switch
Flow rate resolution	0.01 mL		Active switch signal: 5-24V universal
Dispensing volume	0.01-9999mL	Communication interface	RS232, RS485 support MODBUS protocol(RTU mode)
Volume resolution	0.01mL	Output interface	Output motor working status (Open-Collector output)
Dispensing time	0.1-9999s	Power supply	AC 220V±10% 50Hz/60Hz (standard)
Pause time	0.1-9999s		AC 110V±10% 50Hz/60Hz (optional)
Time resolution	0.01s	Drive dimension (L×W×H)	V6-3L: 223×152×231mm
Repeat number	1-9999 times, setting"0" as infinite/continuous dispensing		V6-6L: 283×192×274mm
			V6-12L: 302×222×331mm
Flow rate accuracy	< ±0.5%	Drive weight	V6-3L: 5.02kg; V6-6L: 7.85kg; V6-12L: 13.14kg
Back suction angle	0-360°	Power consumption	V6-3L: <80W; V6-6L: <180W; V6-12L: <300W
Motor type	Closed-loop stepper motor	Environment temperature	0-40°C
		Relative humidity	<80%

Product Composition and Flow Rate Range

Drive	Motor Type	Pump Head	Tubing Size	Speed Range(rpm)	Flow Rate(mL/min)
V6-3L	Closed-loop stepper motor	EasyPump	13 [#] , 14 [#] , 19 [#] , 16 [#] , 25 [#] , 17 [#] , 18 [#] , 15 [#] , 24 [#] , 35 [#] , 36 [#]	0.1-600	0.0053~3100
		KD15/25	13 [#] , 14 [#] , 19 [#] , 16 [#] , 25 [#] , 17 [#] , 18 [#] , 15 [#] , 24 [#]		0.006~3240
		DZ25-3L	15 [#] , 24 [#] , 35 [#] , 36 [#]		0.211~3600
V6-6L	Closed-loop stepper motor	DZ25-6L	15 [#] , 24 [#] , 35 [#] , 36 [#]	0.1-600	0.3~6000
V6-12L		YZ35	26 [#] , 73 [#] , 82 [#]		0.69~12000

Standard Peristaltic Pump

M6-3L/M6-6L/M6-12L

- 304 Stainless steel
- CE Safety Certification
- Three year warranty



- Closed-loop stepper motor drive, powerful and maintenance-free.
- 3 digital LED display motor speed, rotary encoded switch control.
- Suitable for industrial sites, transfer liquid with large flow and high precision.

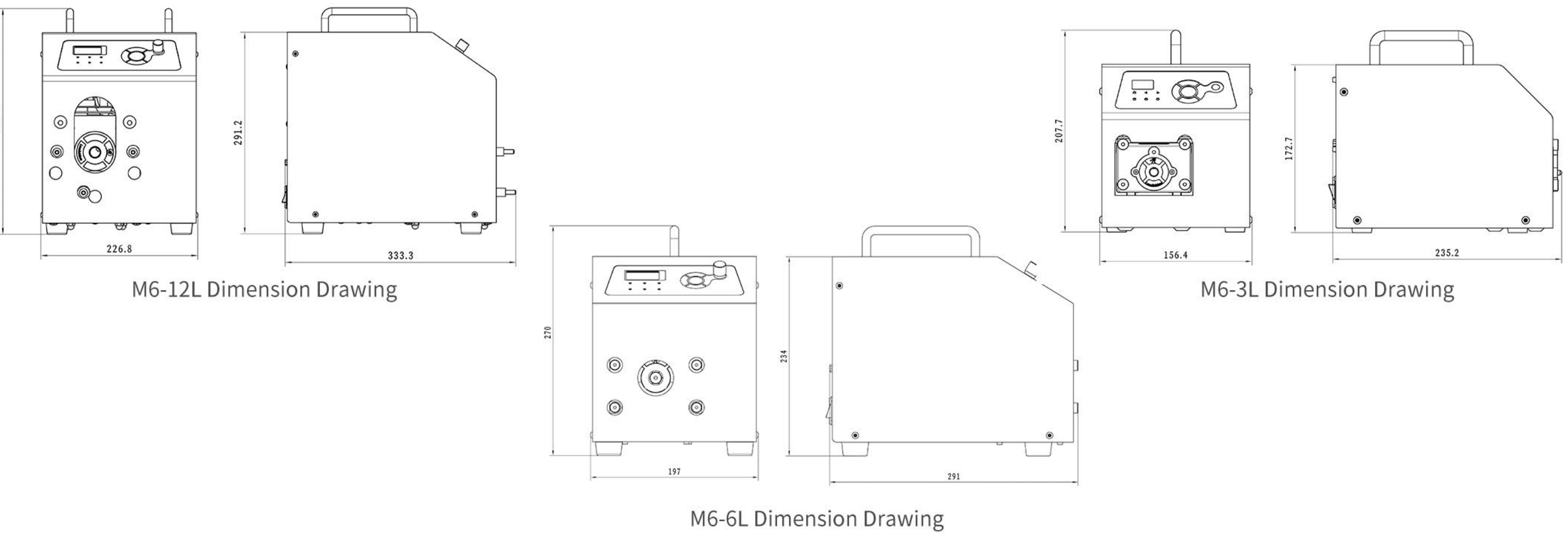
Model Number

- M6-3L/EasyPump
- M6-6L/DZ25-6L
- M6-3L/KD15/KD25
- M6-12L/YZ35-II
- M6-3L/DZ25-3L

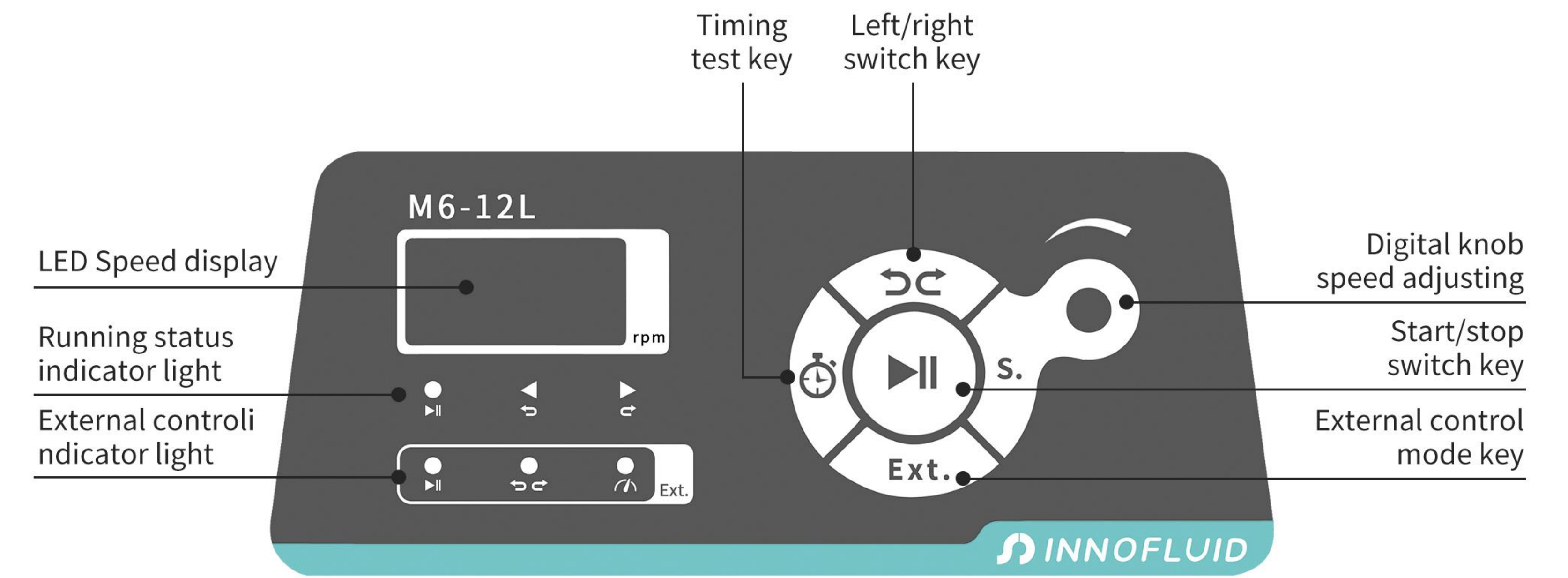
Suitable Pump Head



Driver Dimension Drawing(Unit:mm)



Control Interface



Technical Specifications

Technical Specifications			
Flow rate range	M6-3L: 0.0053-3600 mL/min	Start/stop, direction signal	Passive switch signal, such as foot pedal
	M6-6L: 0.3-6000 mL/min		Active switch signal: 5-24V
	M6-12L: 0.69-12000 mL/min		
Speed resolution	0.1-600 rpm	Communication interface	RS232, RS485 Modbus protocol(RTU mode)
Speed range	0-100rpm, 0.1rpm;	Power supply	AC 220V±10% 50Hz/60Hz (standard)
	100-600rpm, 1rpm.		AC 110V±10% 50Hz/60Hz (optional)
Flow rate accuracy	<±0.5%	Drive dimension (L×W×H)	M6-3L: 223×152×199mm
Motor type	Closed-loop stepper motor		M6-6L: 283×192×274mm
Display	3 digital LED		M6-12L: 302×222×331mm
Control method	Digital knob control and mechanical keypad	Drive weight	M6-3L: 5.02kg; M6-6L: 7.85kg
Keypad lifetime	300,000 times		M6-12L: 13.14kg
External speed control signal	0-5V, 0-10V, 4-20mA	Power consumption	M6-3L: <80W; M6-6L:<180W
			M6-12L: <300W
		Condition temperature	0-40°C
		Relative humidity	<80%

Product Composition and Flow Rate Range

Drive	Motor Type	Pump Head	Tubing Size	Speed Range(rpm)	Flow Rate(mL/min)
M6-3L	Closed-loop stepper motor	EasyPump	13#, 14#, 19#, 16#, 25# , 17# 18# ,15# , 24# , 35# , 36#	0.1-600	0.0053-3100
		KD15/25	13#, 14#, 19#, 16#, 25# , 17# 18#, 15# , 24#		0.0079-3027.97
		DZ25-3L	15#, 24#, 35#, 36#		0.211-3600
M6-6L		DZ25-6L	15#, 24#, 35#, 36#		0.3-6000
M6-12L		YZ35-II	26#, 73#, 82#		0.69-12000

Standard Peristaltic Pump

N6-3L/N6-6L/N6-12L

- 304

304
Stainless
steel
- CE

CE Safety
Certification
- 3 YEARS
WARRANTY

Three year
warranty

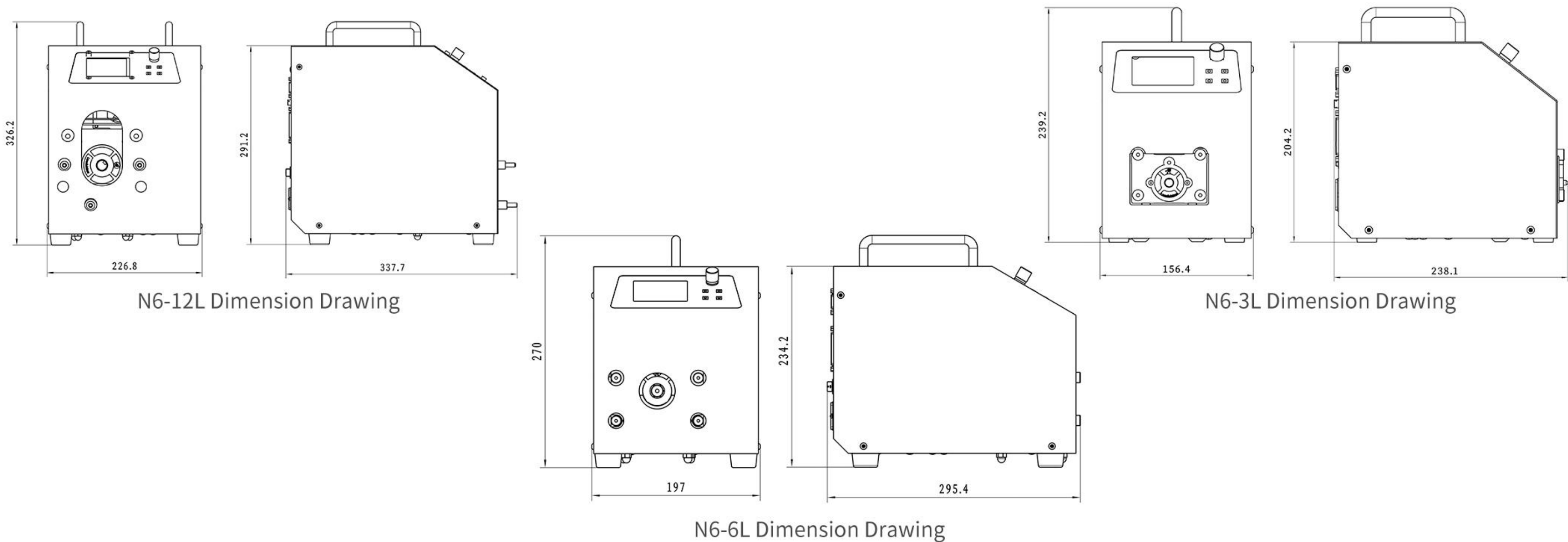


- 3.2" LCD display.
- Ultra-quiet drive setting, precise control, small vibration and low noise.
- Imported button control, menu interface, convenient for users to set various parameters at any time.
- With timing dispensing function, various external control functions.

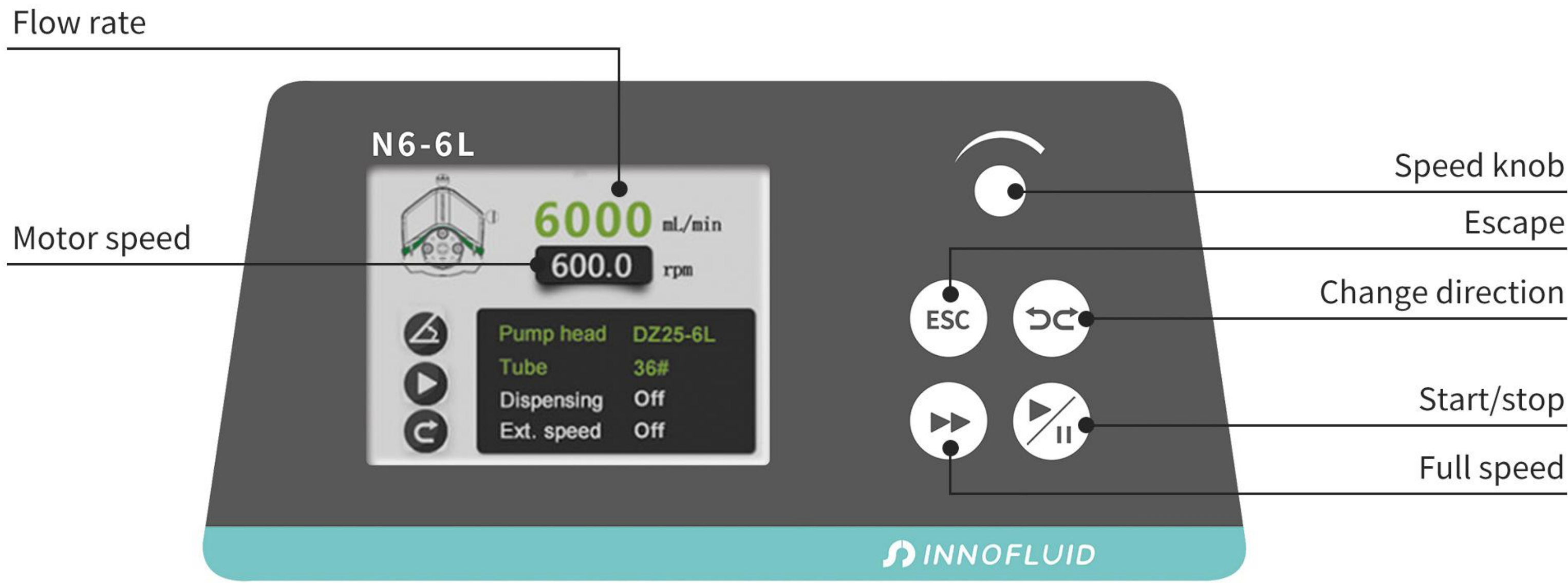
Suitable Pump Head



Driver Dimension Drawing(Unit:mm)



Control Interface



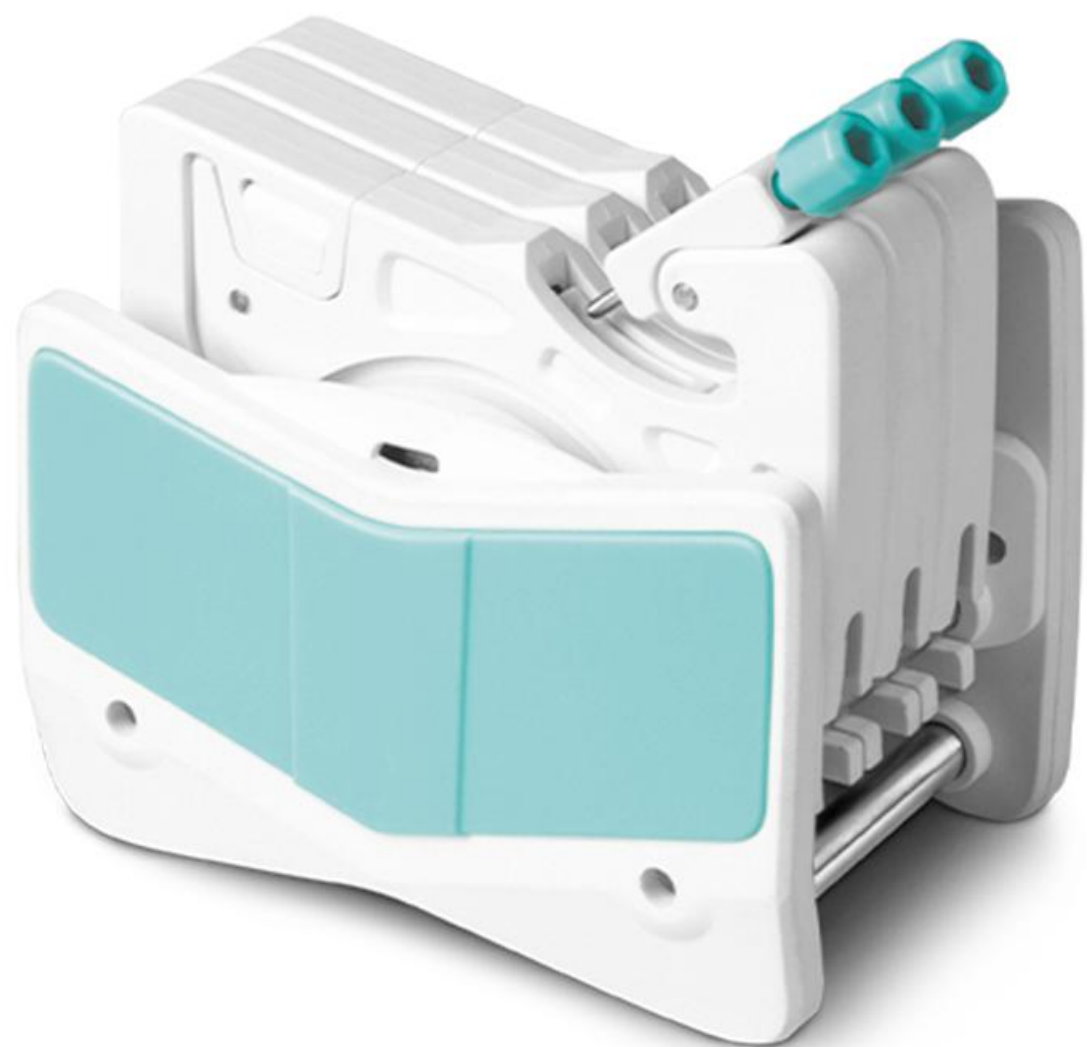
Technical Specifications

Technical Specifications			
Flow rate range	N6-3L: 0.0053-3600 mL/min	Output interface	Output motor working status
	N6-6L: 0.3-6000 mL/min		(Open-Collector output)
	N6-12L: 0.69-12000 mL/min	Power supply	AC 220V±10% 50Hz/60Hz (standard) AC 110V±10% 50Hz/60Hz (optional)
Speed range	0.1-600 rpm	Power consumption	N6-3L: <80W; N6-6L: <180W; N6-12L: <300W
Flow rate accuracy	<±0.5%	Communication interface	RS232, RS485 support MODBUS protocol (RTU mode)
Speed resolution	0.1rpm	Motor type	Closed-loop stepper motor
Dispensing Function	0.1s~9999h	Drive dimension (L×W×H)	N6-3L: 223×152×230mm
Back suction angle	0-360°		N6-6L: 283×192×264mm
Control method	Mechanical keypad+Digital knob	Drive weight	N6-12L: 302×222×321mm
Display	3.2" high definition LCD screen		N6-3L: 5.06kg; N6-6L: 7.88kg; N6-12L: 13.01kg
Start/stop, direction signal	Passive switch signal, such as foot pedal switch	Condition temperature	0-40°C
	Active switch signal: 5V, 12V and 24V for option	Relative humidity	<80%
External speed control signal	0-5V, 0-10V, 4-20mA for option		

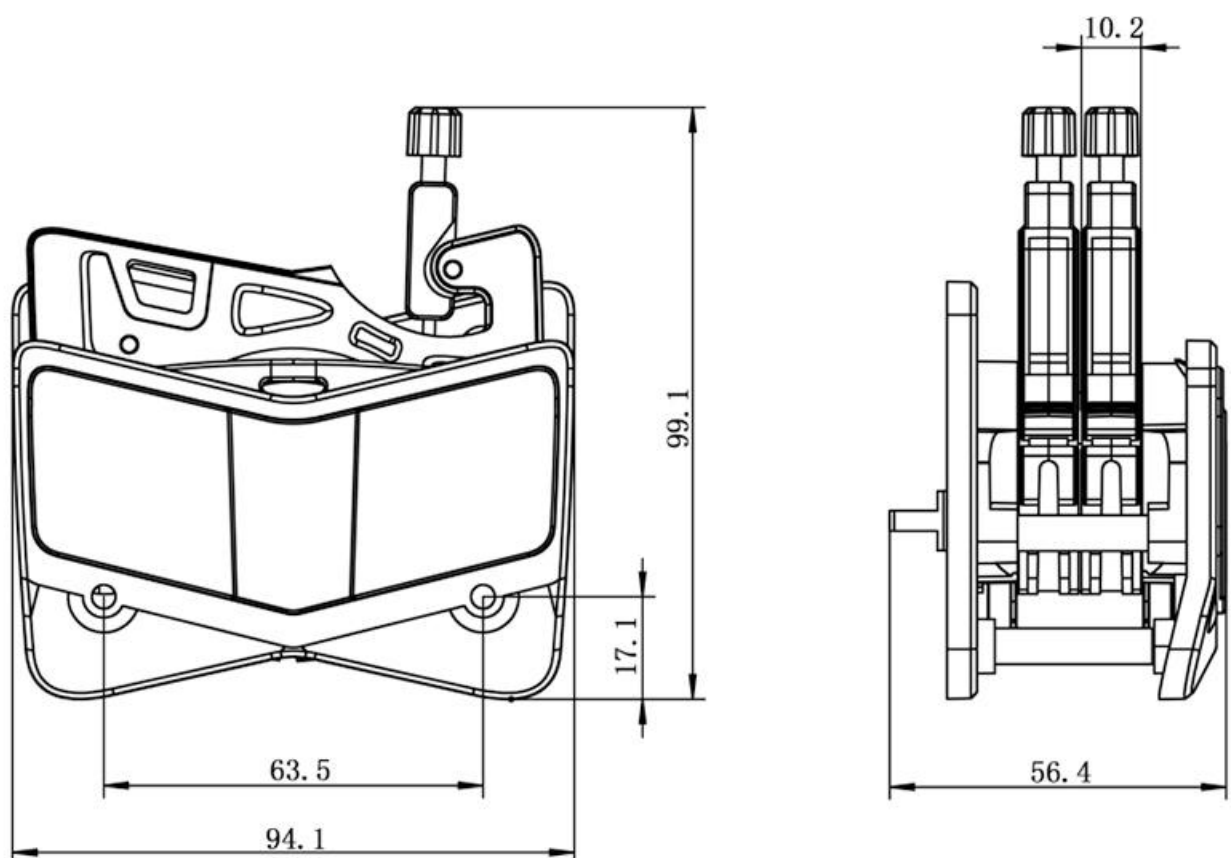
Product Composition and Flow Rate Range

Drive	Motor Type	Pump Head	Tubing Size	Speed Range(rpm)	Flow Rate(mL/min)
N6-3L	Closed-loop stepper motor	EasyPump	13#, 14#, 19#, 16#, 25#, 17#, 18#, 15#, 24#, 35#, 36#	0.1-600	0.0053-3100
		KD15/25	13#, 14#, 19#, 16#, 25#, 17#, 18#, 15#, 24#		0.0079-3027.97
		DZ25-3L	15#, 24#, 35#, 36#		0.211-3600
N6-6L		DZ25-6L	15#, 24#, 35#, 36#		0.3-6000
N6-12L		YZ35-II	26#, 73#, 82#		0.69-12000

AMC Series



Dimension Drawing (Unit:mm)

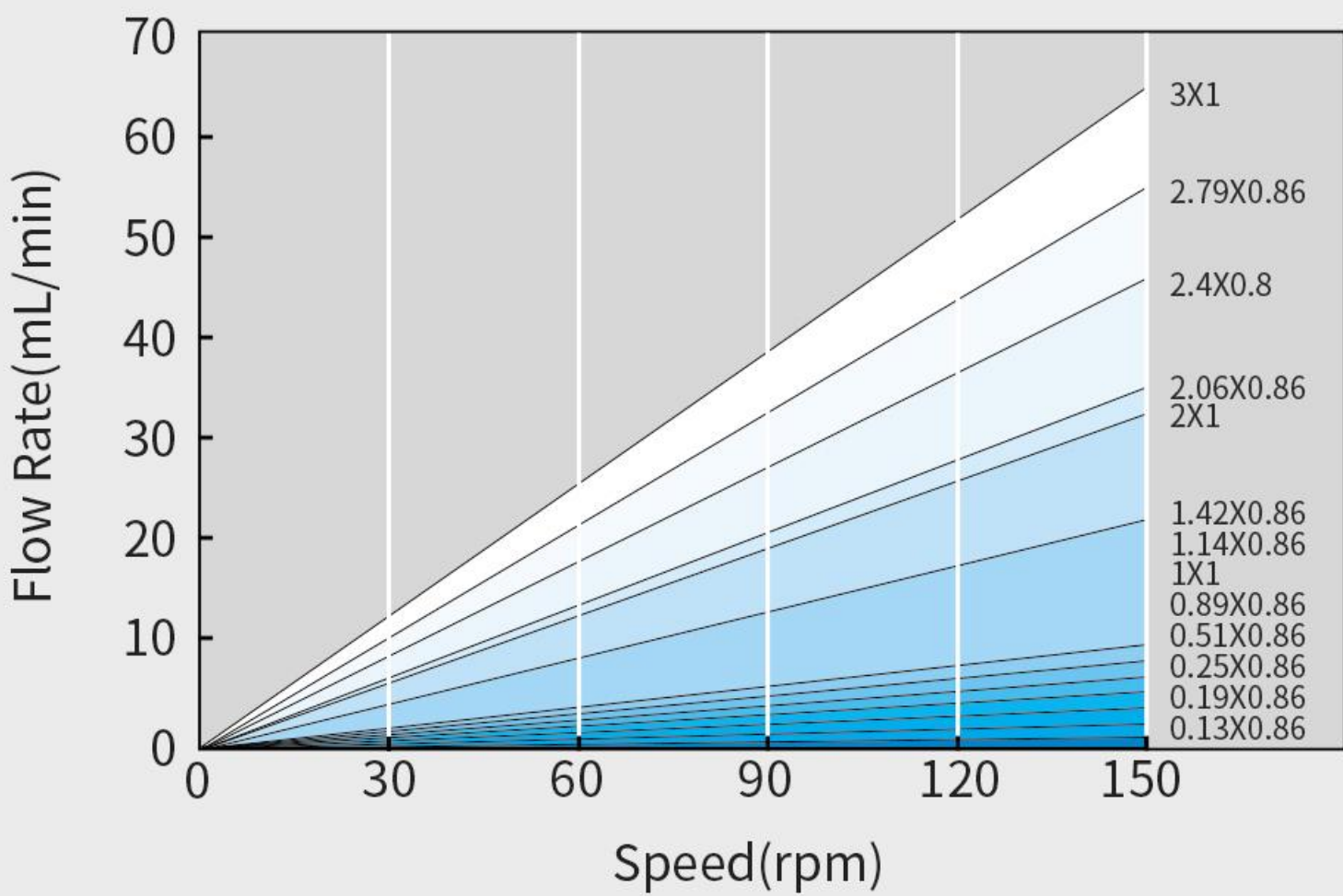


Pump Drive ● HPM100 ● HPN100 ● HPM100-SS ● HPM100E-SS

AMC Series Pump Head Technical Specifications					
Tubing	Speed (rpm)	Flow rate of pump head with 10 rollers(mL/min)	Flow rate of pump head with 6 rollers(mL/min)	Tubing maximum pressure(Mpa)	
				Continuous	Intermittent
1x1	0.1-150	0.0050-7.55	0.0062-9.36	0.1	0.1
2x1		0.0183-27.52	0.0220-33.06		
2.4x0.8		0.0254-38.13	0.0319-47.81		
3x1		0.0323-48.38	0.0434-65.17		
0.13x0.86		0.0002-0.29	0.0002-0.31		
0.19x0.86		0.0003-0.44	0.0003-0.46		
0.25x0.86		0.0005-0.76	0.0005-0.80		
0.51x0.86		0.0013-2.00	0.0014-2.05		
0.89x0.86		0.0030-4.47	0.0031-4.65		
1.14x0.86		0.0061-9.16	0.0065-9.74		
1.42x0.86	0.1-150	0.0125-18.75	0.0142-21.28		
2.06x0.86		0.0197-29.60	0.0234-35.17		
2.79x0.86		0.0286-42.86	0.0372-55.77		

Experimental conditions:Standard atmospheric pressure, room temperature at 20°C,the liquid is pure water, no pressure, no suction and lift.
Note: Actually, it is affected by many factors such as transmission medium, inlet and outlet pressure, hose material and error, working environment, etc. This data is for reference only.

Flow Rate(0.1-150rpm)



AMC obtained EU Appearance patent.

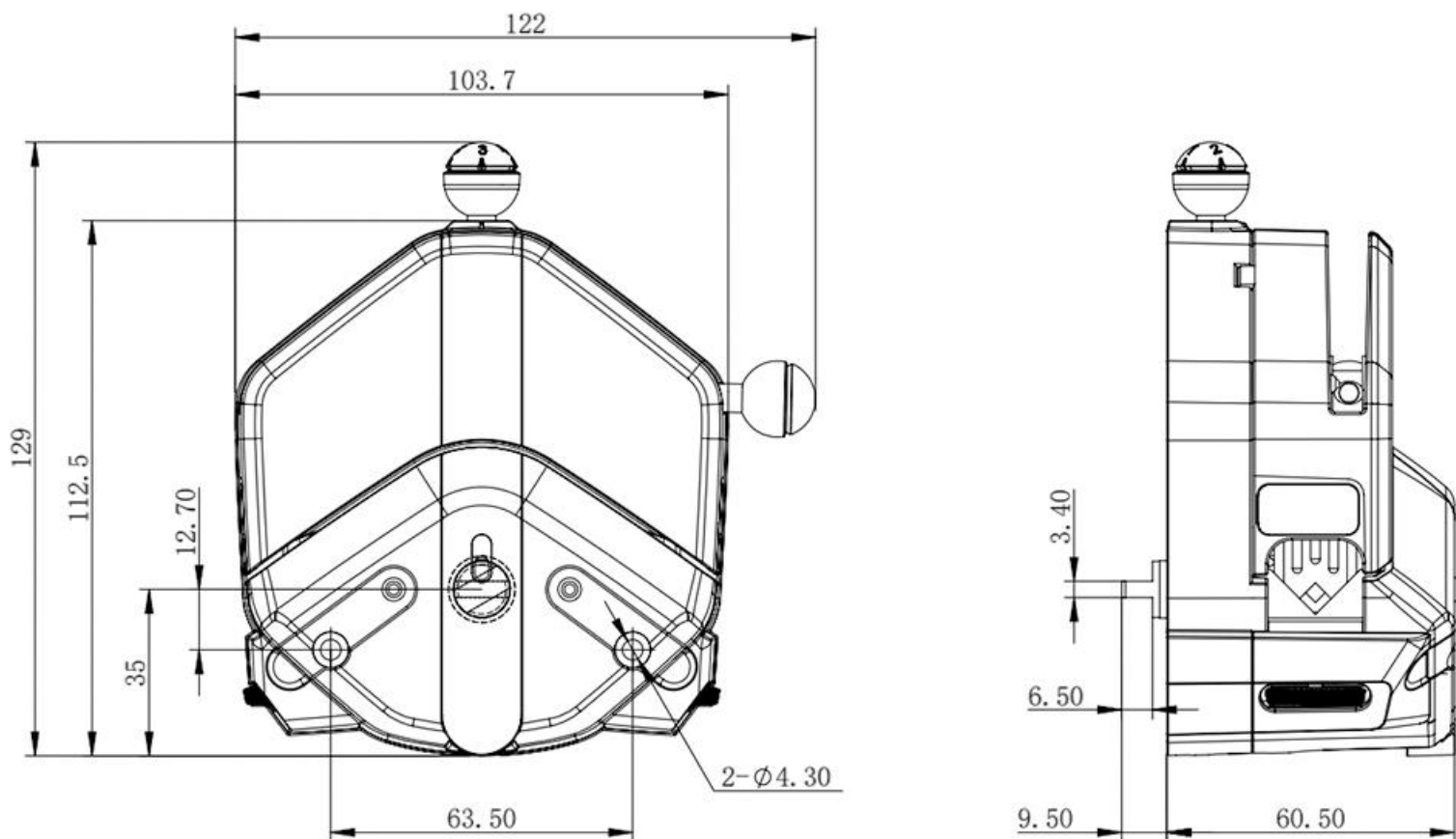


Appearance patent No.: 008005789-0001

EasyPump Series



Dimension Drawing (Unit:mm)



Pump Drive ● HPM600 ● HPN300 ● HPM600-SS ● HPM600E-SS

Easypump obtained China
Invention patent and Appearance patent.



Invention Patent No.: ZL 201910933057.X
Appearance patent No.: ZL 201930723432.9

Easypump obtained U.S.
Invention patent and Appearance patent.



Invention Patent No.: US 11,852,136 B2
Appearance patent No.: US D939,692 S

Easypump obtained EU
Invention patent and Appearance patent.

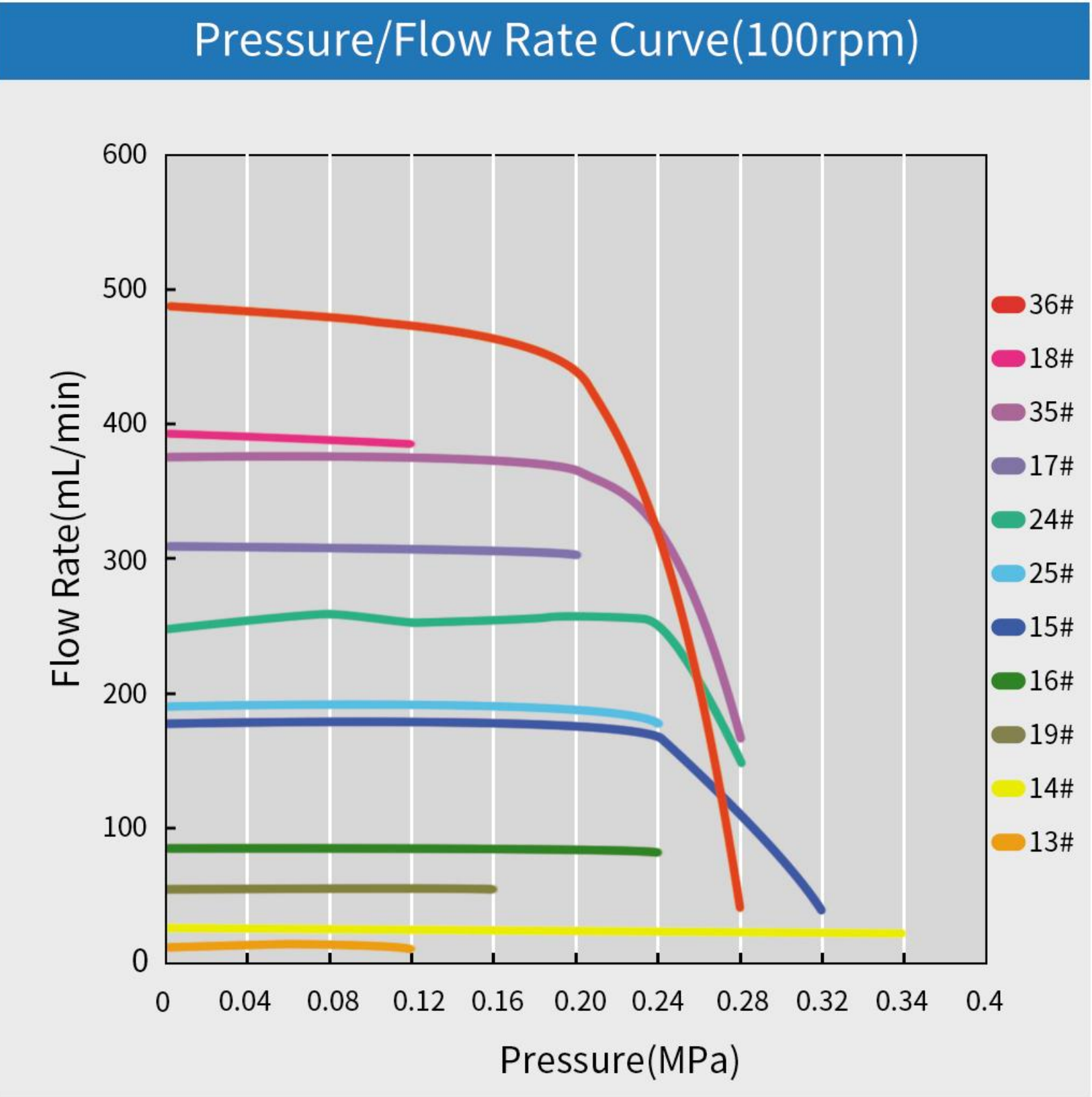
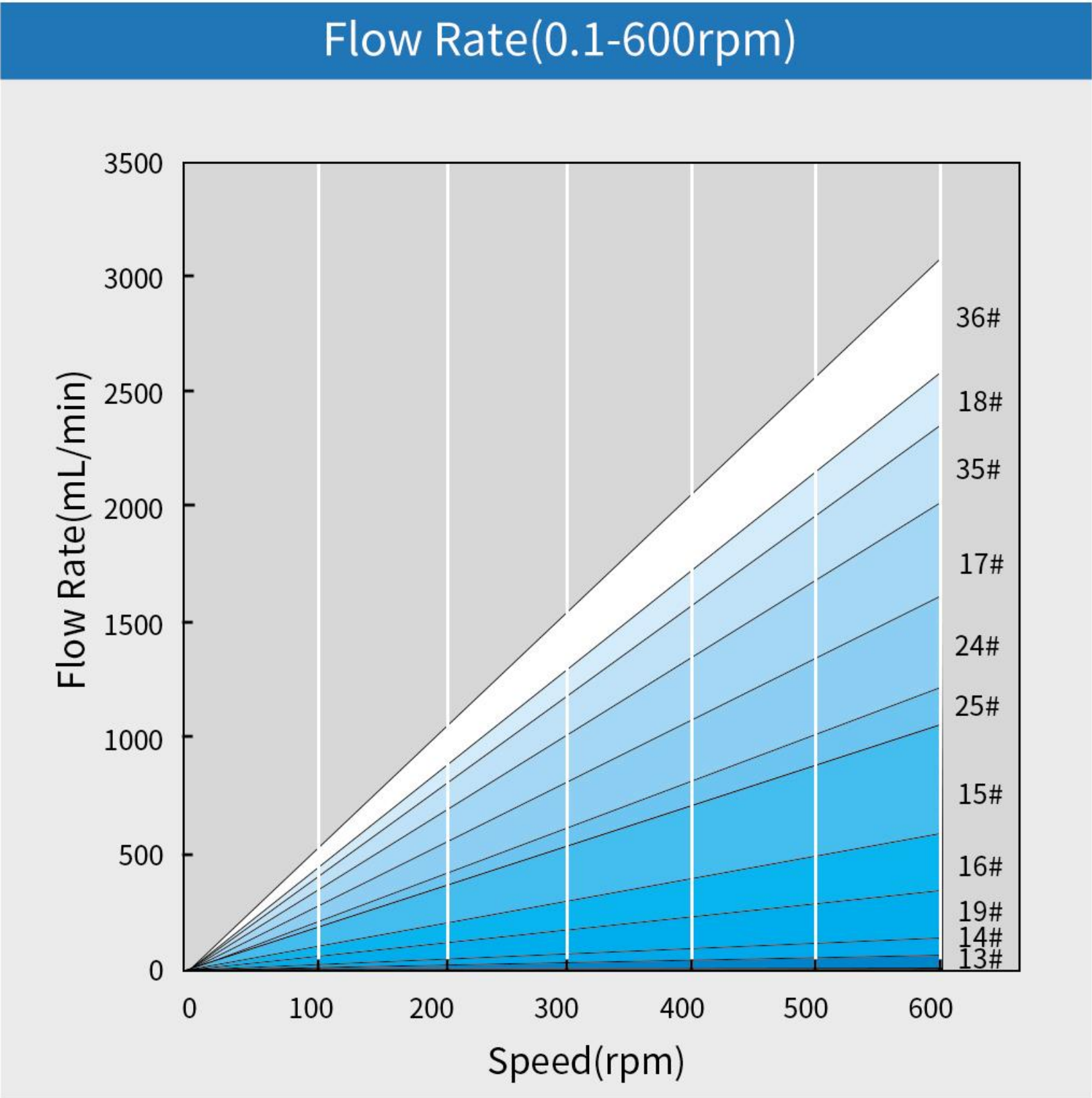


Invention patent No.: EP3967879
Appearance patent No.: 008005789-0002

EasyPump Series Pump Head Technical Specifications

Pump Head	Housing Material	Tubing		mL/r	Speed (rpm)	Flow Rate (mL/min)	Weight (kg)
		Sizes	IDxWall Thickness(mm)				
Single channel EasyPumpI/III	Engineering plastic	13#	0.8x1.6	0.053	0.1-600	0.0053-32	0.6
		14#	1.6x1.6	0.27		0.027-162	
		19#	2.4x1.6	0.55		0.055-330	
		16#	3.2x1.6	0.933		0.093-560	
		25#	4.8x1.6	1.967		0.197-1180	
		17#	6.4x1.6	3.333		0.333-2000	
Single channel EasyPumpII/IV	PPS	18#	7.9x1.6	4.3		0.430-2580	
		15#	4.8x2.4	1.8		0.180-1080	
		24#	6.4x2.4	2.733		0.273-1640	
		35#	7.9x2.4	3.833		0.383-2300	
Dual channel EasyPumpV/VI		36#	9.6x2.4	5.167		0.517-3100	
		13#	0.8x1.6	0.053		0.0053-32	
		14#	1.6x1.6	0.27		0.027-162	
		19#	2.4x1.6	0.55		0.055-330	
		16#	3.2x1.6	0.933		0.093-560	
		25#	4.8x1.6	1.967		0.197-1180	

Experimental conditions:Standard atmospheric pressure, room temperature at 20°C,the liquid is pure water, no pressure, no suction and lift.
Note: Actually, it is affected by many factors such as transmission medium, inlet and outlet pressure, hose material and error, working environment, etc. This data is for reference only.



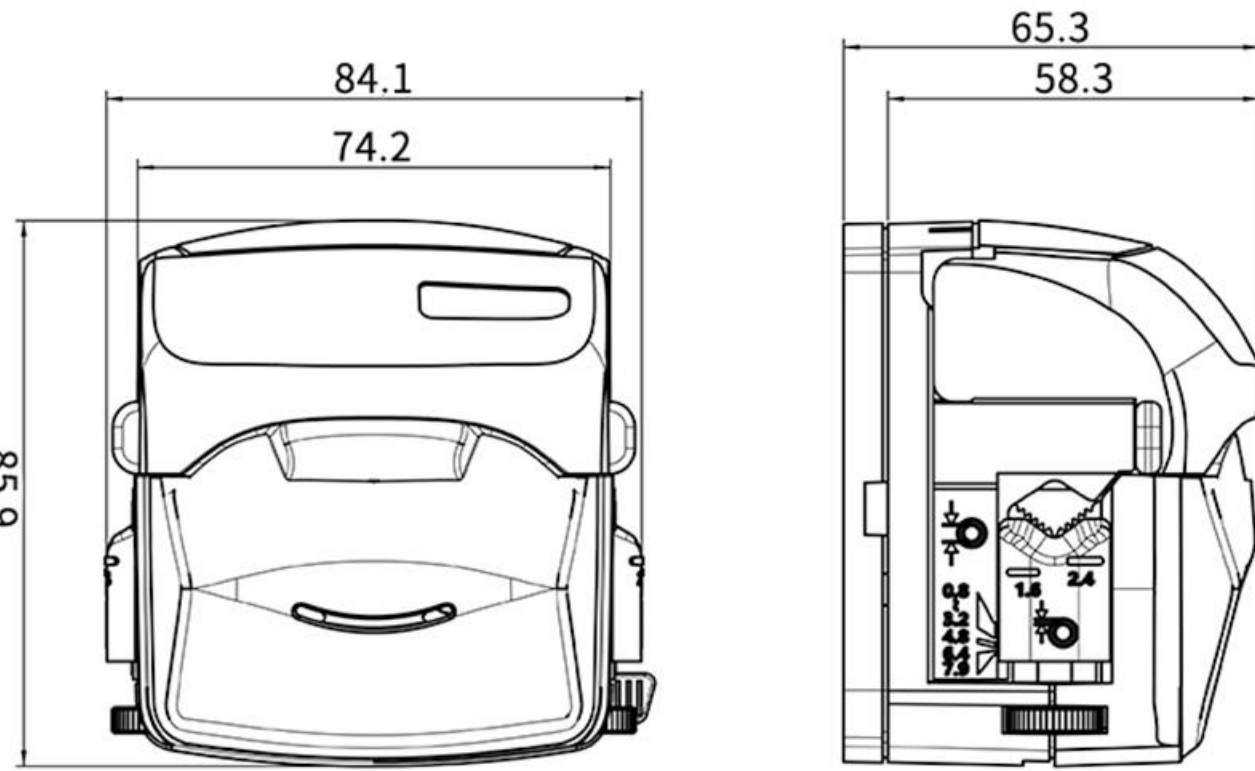
EasyPump Series Pump Head Filling Volume Reference Parameter						
Pump Head	Tubing	Filling Volume (mL)	Filling Time (s)	Accuracy (±%)	Output (pcs/min)	Motor Speed (rpm)
EasyPump	13#	0.4	1.2	0.8	27	377.36
	13#	1	2.5	0.5	17	452.83
	14#	2	1	0.5	30	444.44
	19#	5	1.2	0.5	27	454.55
	16#	7	1	0.5	30	450.16
	25#	10	0.8	0.8	33	381.29
	25#	15	1	0.5	30	457.55
	25#	20	1.5	0.5	24	406.71
	17#	30	1.2	0.5	27	450.05
	18#	50	1.5	0.5	24	465.12
	15#	15	1.2	0.5	27	416.67
	24#	20	1.2	0.5	27	365.90
	35#	30	1.2	0.5	27	391.34
	36#	50	1.5	0.8	24	387.07

Experimental conditions:Standard atmospheric pressure, room temperature at 20°C,the liquid is pure water, no pressure, no suction and lift.
Note: Actually, it is affected by many factors such as transmission medium, inlet and outlet pressure, hose material and error, working environment, etc. This data is for reference only.

KD Series



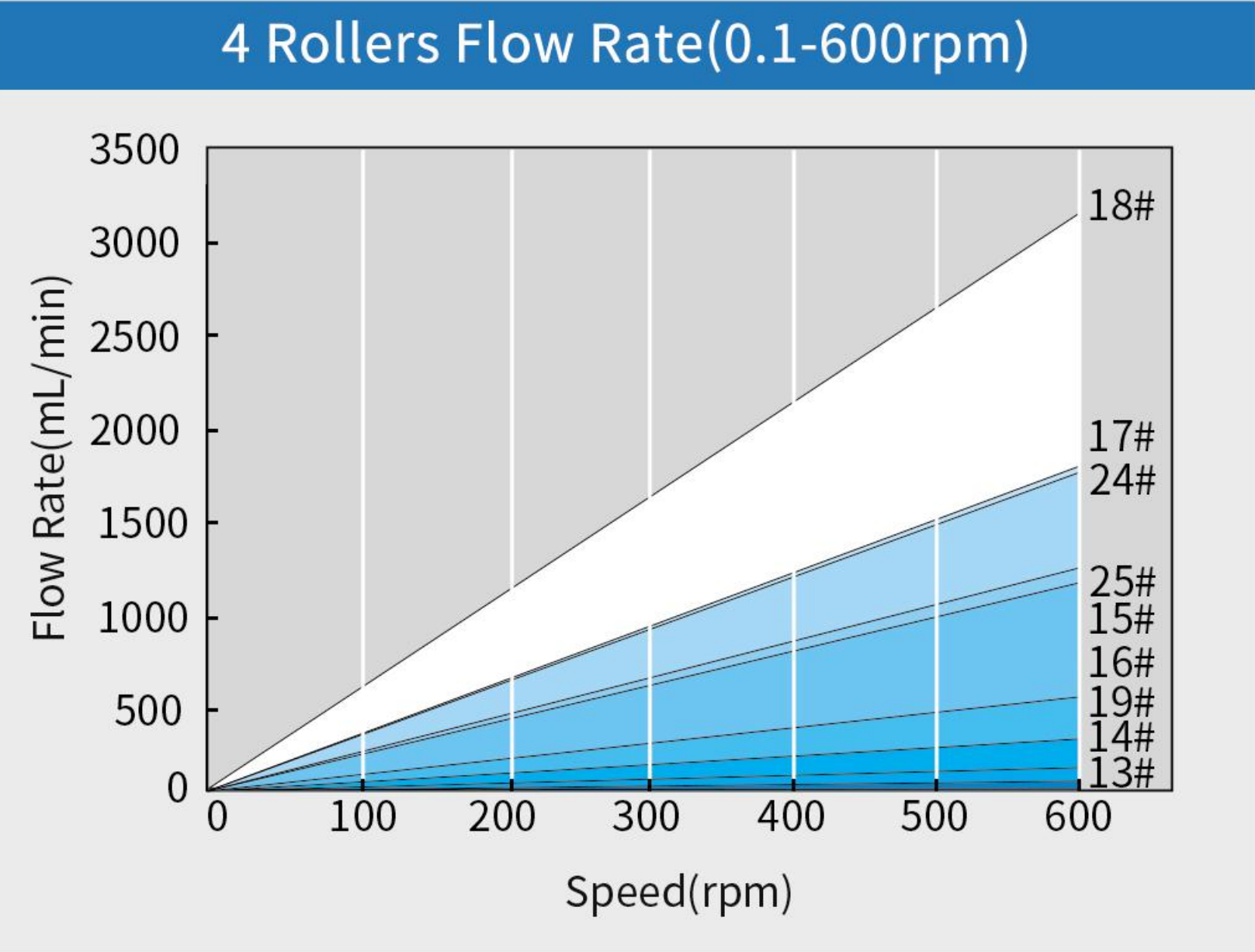
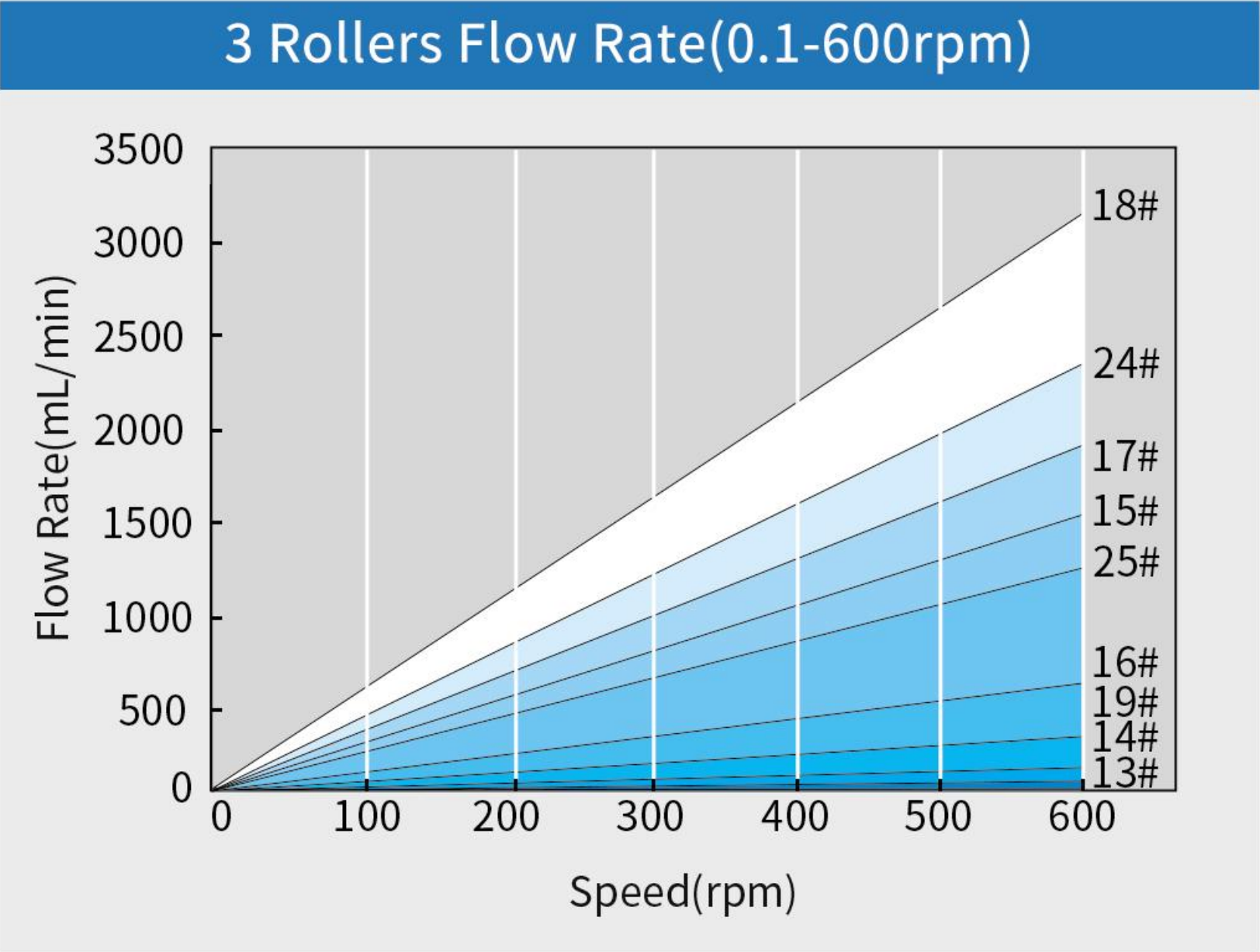
Dimension Drawing (Unit:mm)

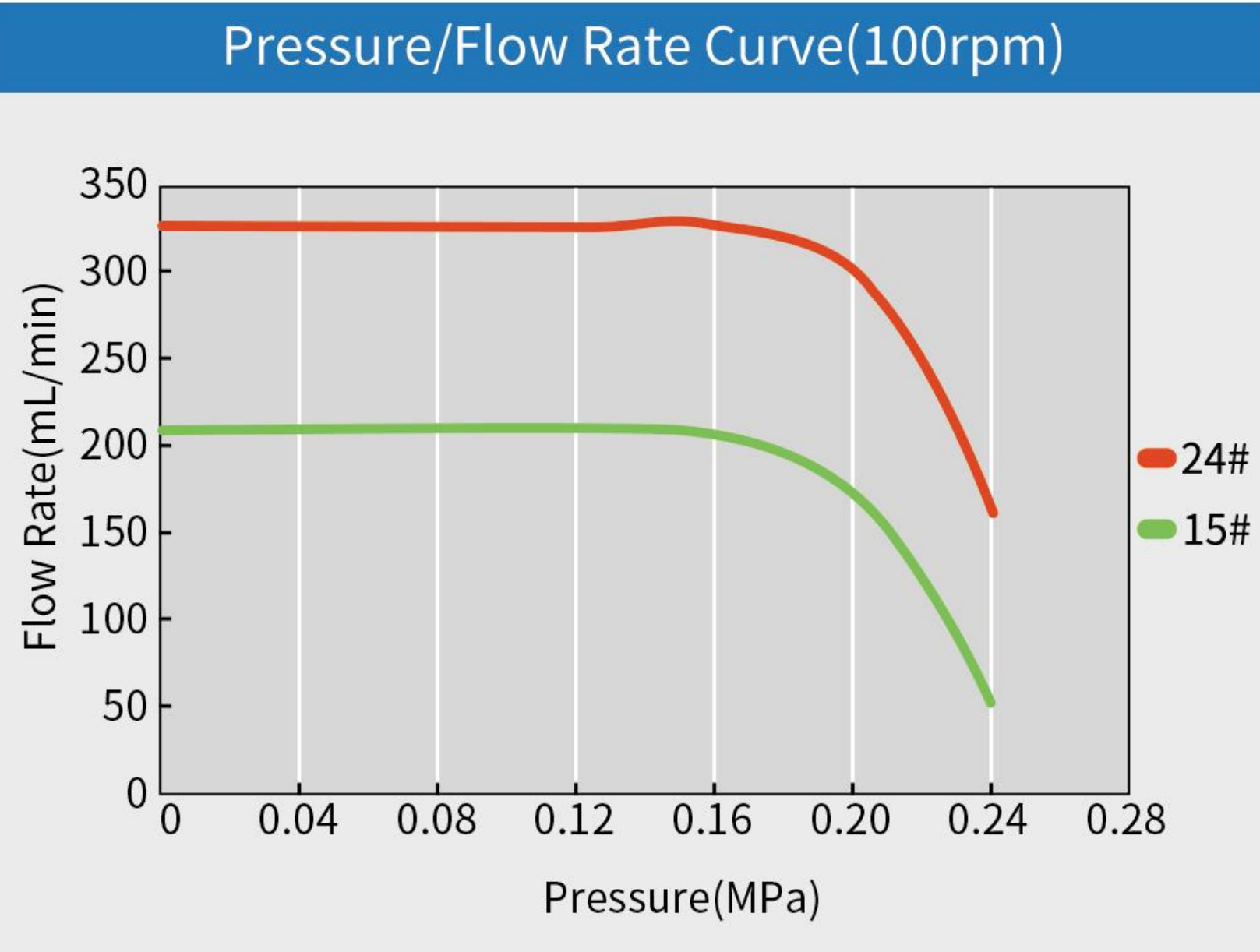
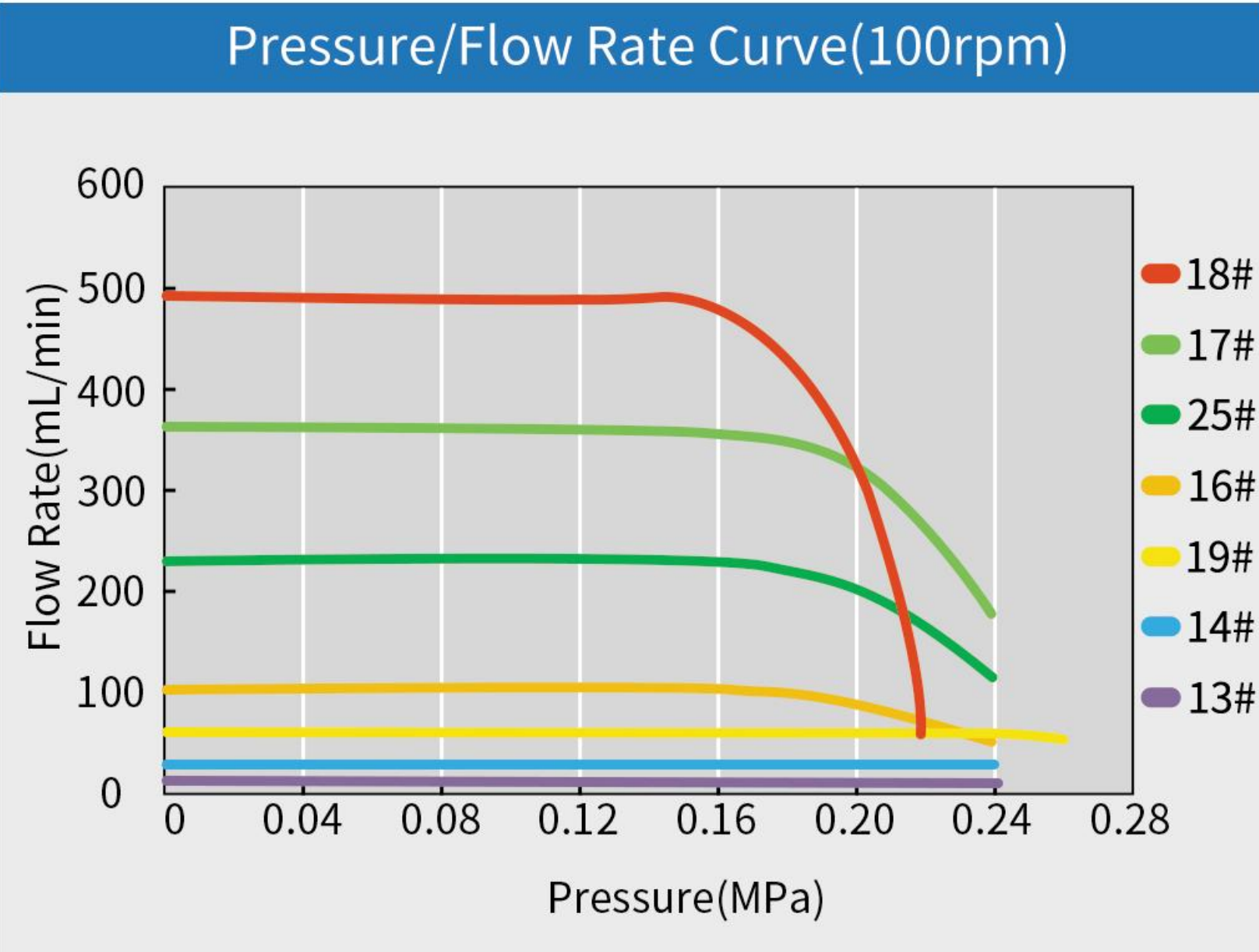


Pump Drive ● HPM600 ● HPN300 ● HPM600-SS ● HPM600E-SS

KD Series Pump Head Technical Specifications						
Pump Head	Speed (rpm)	Tubing		Flow rate of pump head with 3 rollers(mL/min)	Flow rate of pump head with 4 rollers(mL/min)	Weight (kg)
		Sizes	IDxWall Thickness(mm)			
KD15	0.1-600	13#	0.8x1.6	0.0083-50.3	0.0079-47.37	0.37
		14#	1.6x1.6	0.0281-168.4	0.0267-160.37	
		19#	2.4x1.6	0.0613-367.97	0.0544-326.13	
		16#	3.2x1.6	0.1006-603.5	0.0942-565.47	
		25#	4.8x1.6	0.2243-1345.83	0.2103-1262	
		17#	6.4x1.6	0.3297-1978.1	0.2915-1748.93	
		18#	7.9x1.6	0.5047-3027.97	0.4483-2690	
KD25	0.1-600	15#	4.8x2.4	0.2513-1507.6	0.1979-1187.55	0.37
		24#	6.4x2.4	0.3912-2346.95	0.2909-1745.5	

Experimental conditions:Standard atmospheric pressure, room temperature at 20°C,the liquid is pure water, no pressure, no suction and lift.
Note: Actually, it is affected by many factors such as transmission medium, inlet and outlet pressure, hose material and error, working environment, etc. This data is for reference only.





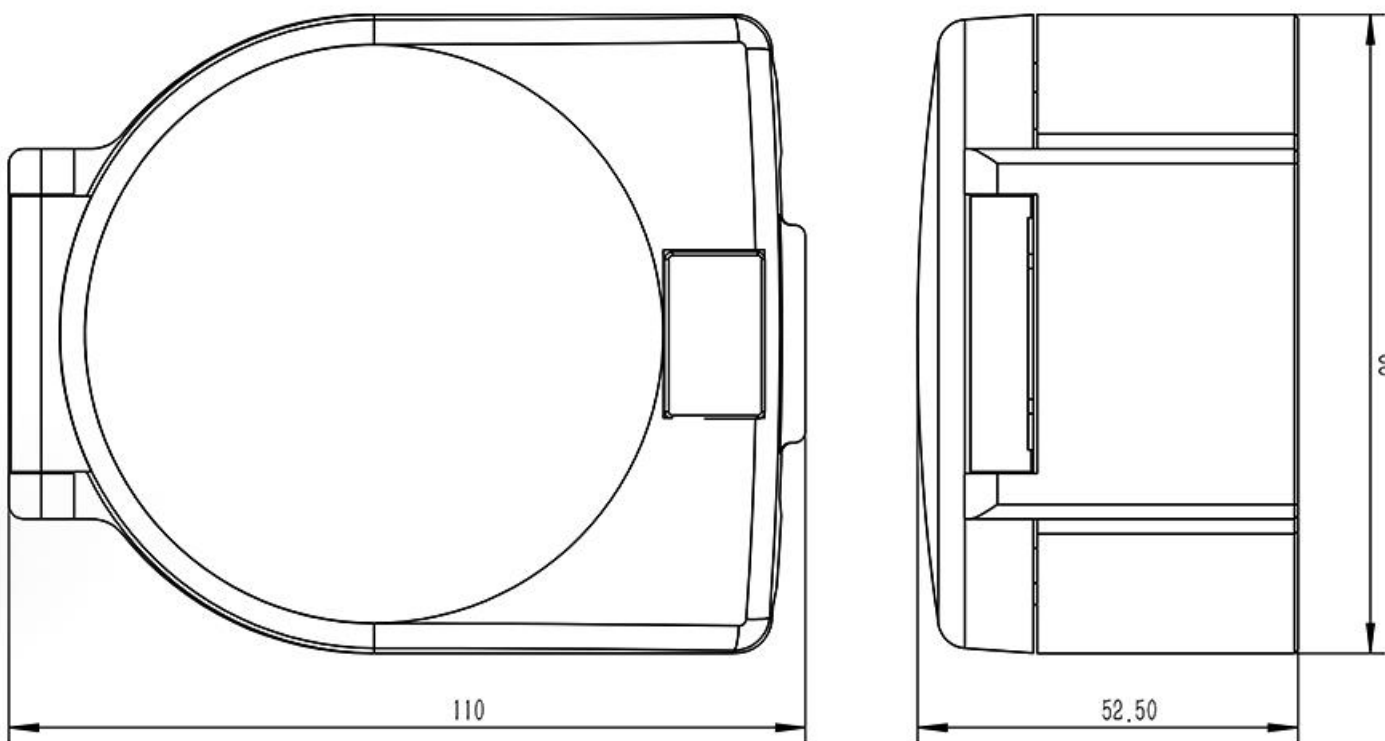
KD Series Pump Head Filling Volume Reference Parameter						
Pump Head	Tubing	Filling Volume (mL)	Filling Time (s)	Accuracy (±%)	Output (pcs/min)	Motor Speed (rpm)
KD15	13#	0.3	0.8	0.8	33	352.15
	13#	0.5	1	0.8	30	408.25
	13#	1	2	0.5	20	406.79
	13#	1.5	3	0.8	15	406.75
	14#	2	1	0.8	30	383.12
	14#	3	1.5	0.8	24	383.13
	19#	5	1.2	0.8	27	343.52
	19#	6	1	0.5	30	521.98
	16#	7	1	0.5	30	400.04
	16#	10	1	0.8	30	583.32
	25#	20	1.5	0.8	24	386.06
	25#	25	1.5	0.5	24	480.65
	17#	30	1.2	0.8	27	419
	17#	50	2	0.5	20	420.1
	18#	100	3	0.5	15	406.55
	18#	150	4	0.5	12	460.5
KD25	15#	10	0.8	0.5	33	365.07
	15#	15	1.2	0.8	27	349.06
	24#	20	1.2	0.8	27	301.53
	24#	30	1.5	0.8	24	350.04

Experimental conditions:Standard atmospheric pressure, room temperature at 20°C,the liquid is pure water, no pressure, no suction and lift.
Note: Actually, it is affected by many factors such as transmission medium, inlet and outlet pressure, hose material and error, working environment, etc. This data is for reference only.

UC25-II Series

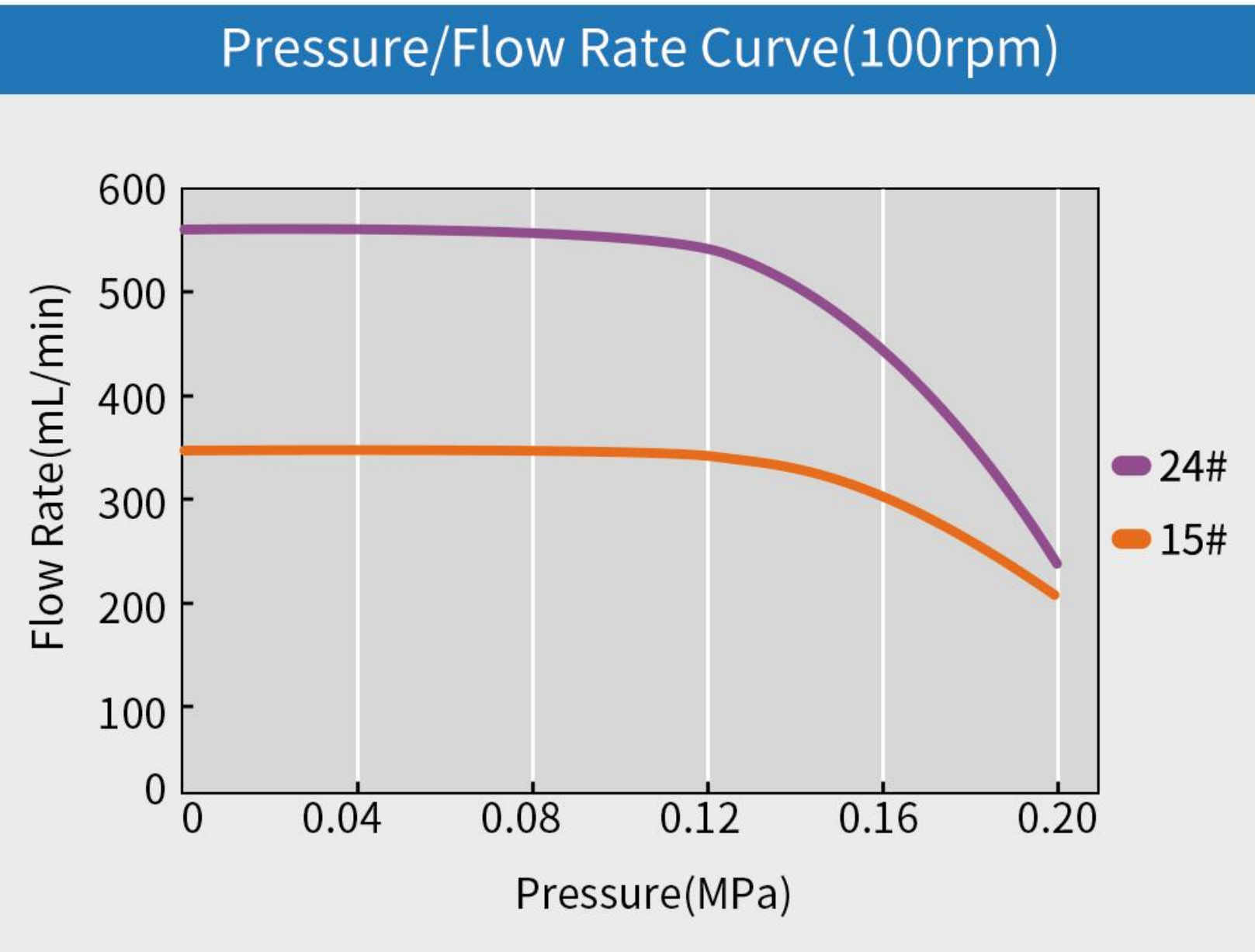
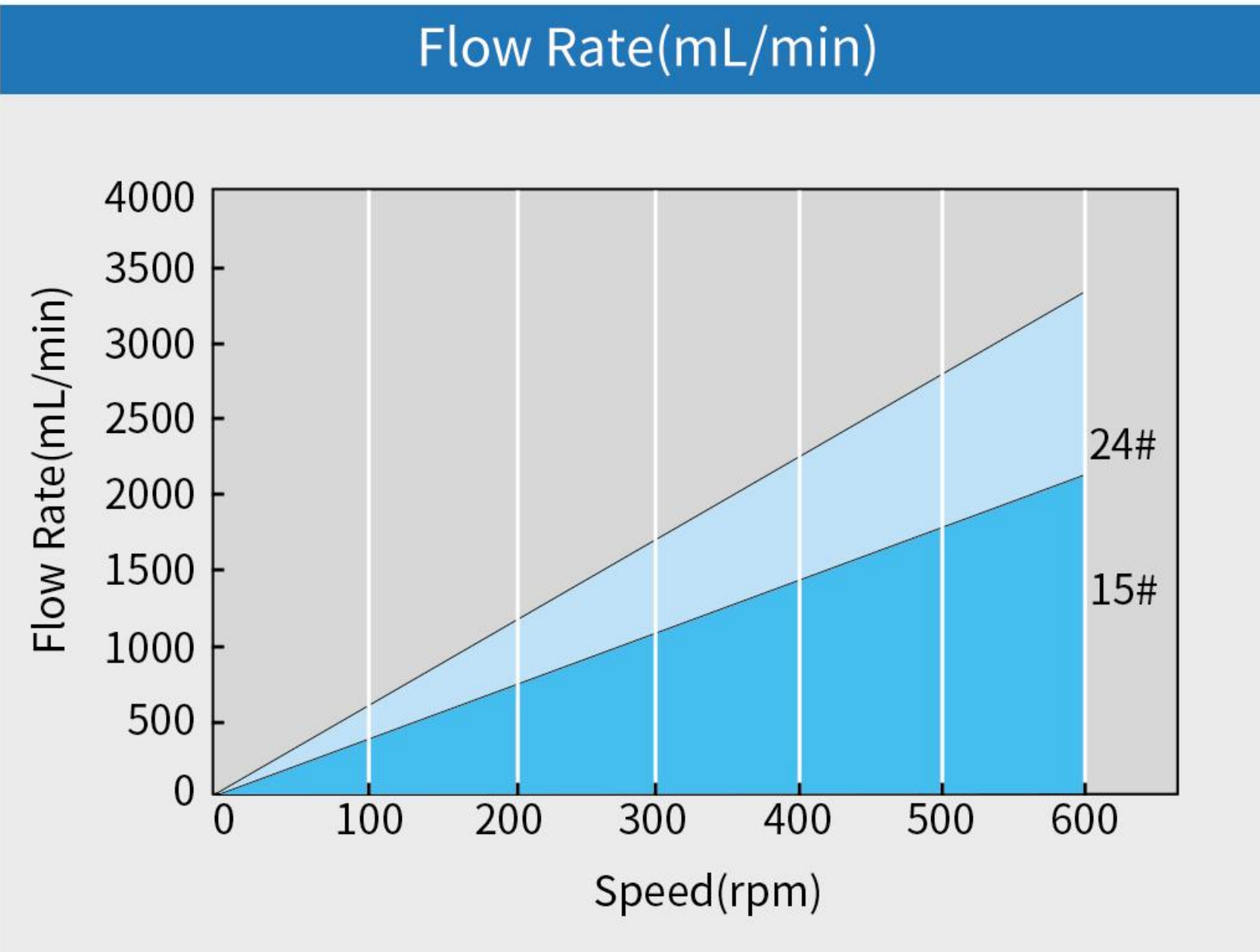


Dimension Drawing (Unit:mm)



Pump Drive ● HPM600U ● HPM600U-SS ● HPM600UE-SS

UC25-II Pump Head Technical Specifications						
Pump Head	Speed (rpm)	mL/r	Tubing		Flow Rate (mL/min)	Weight (kg)
			Sizes	IDxWall Thickness(mm)		
UC25-II	0.1-600	3.47	15#	4.8X2.4	0.347-2082	0.55
		5.5	24#	6.4X2.4	0.550-3300	

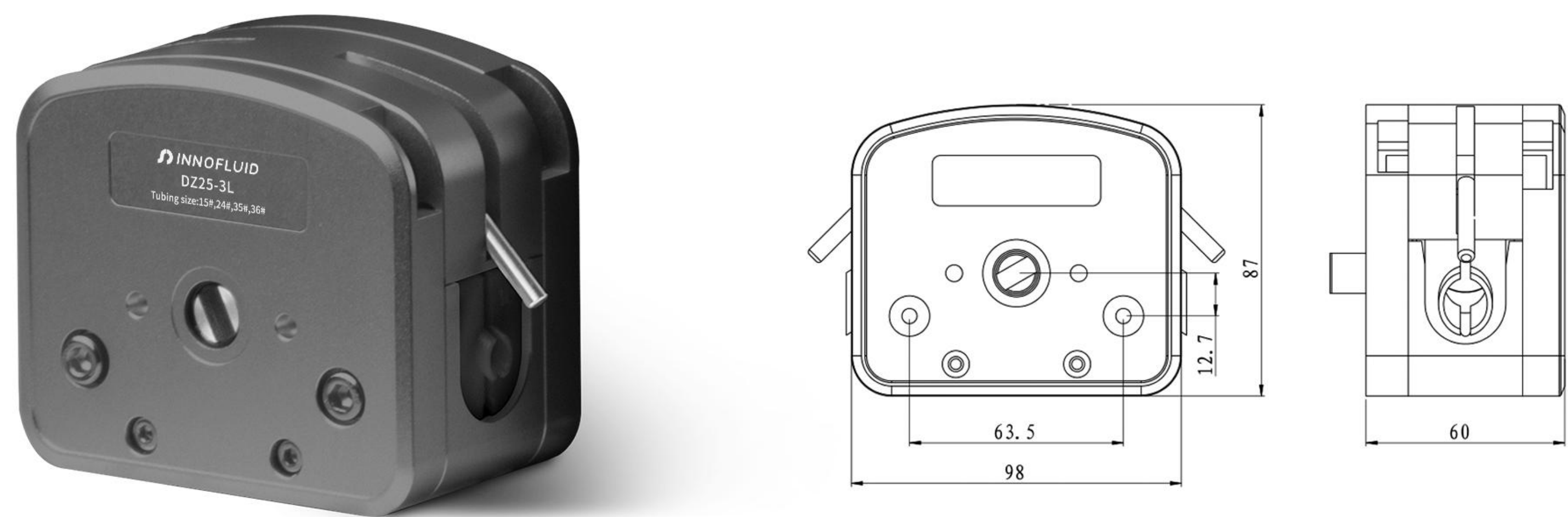


UC25-IIPump Head Filling Volume Reference Parameter						
Pump Head	Tubing	Filling Volume (mL)	Filling Time (s)	Accuracy (±%)	Output (pcs/min)	Motor Speed (rpm)
UC25-II	15#	15	1.2	1.5	27	216.1
	24#	20	1.2	1.5	27	181.8

Experimental conditions:Standard atmospheric pressure, room temperature at 20°C,the liquid is pure water, no pressure, no suction and lift.
Note: Actually, it is affected by many factors such as transmission medium, inlet and outlet pressure, hose material and error, working environment, etc. This data is for reference only.

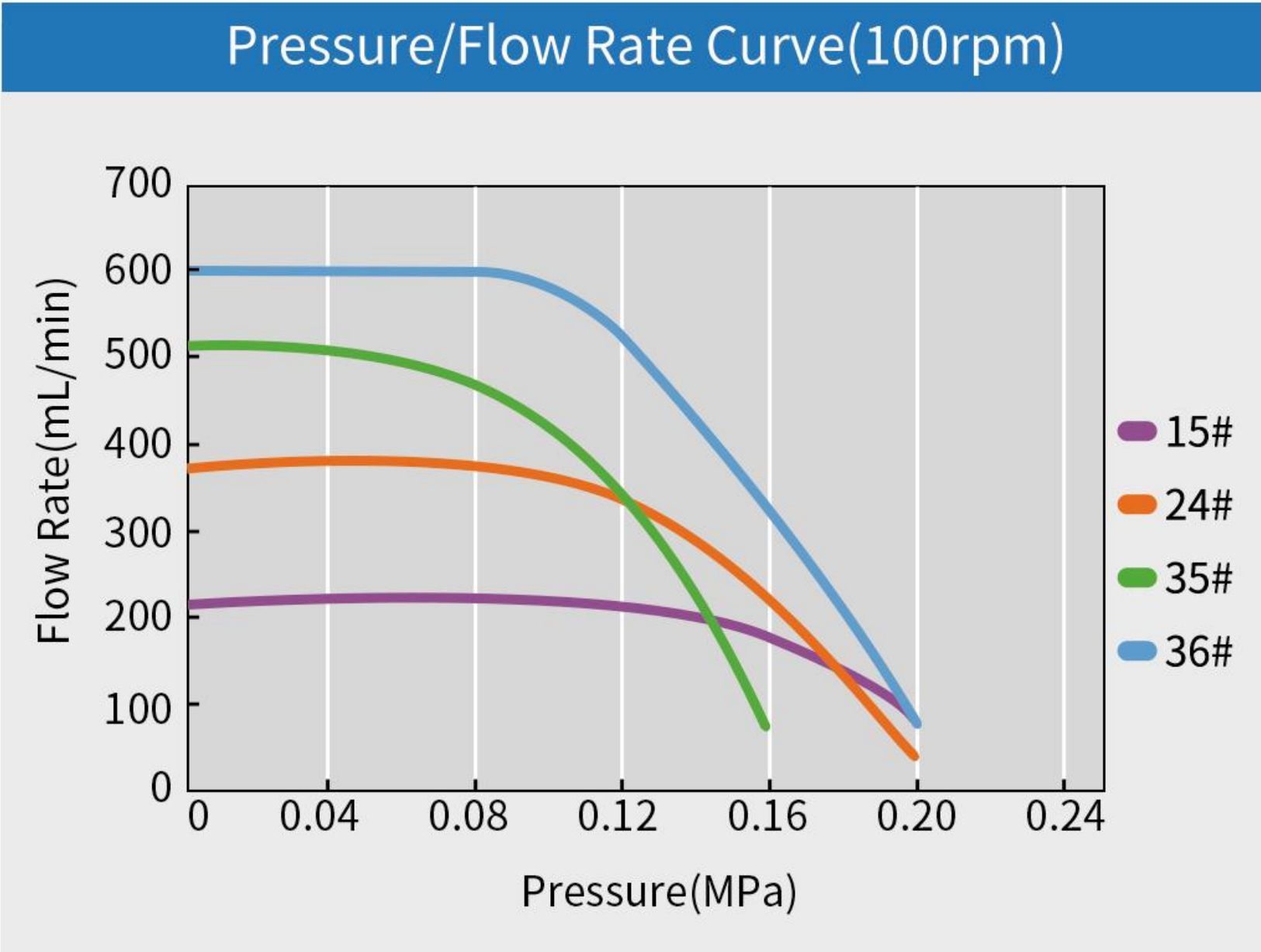
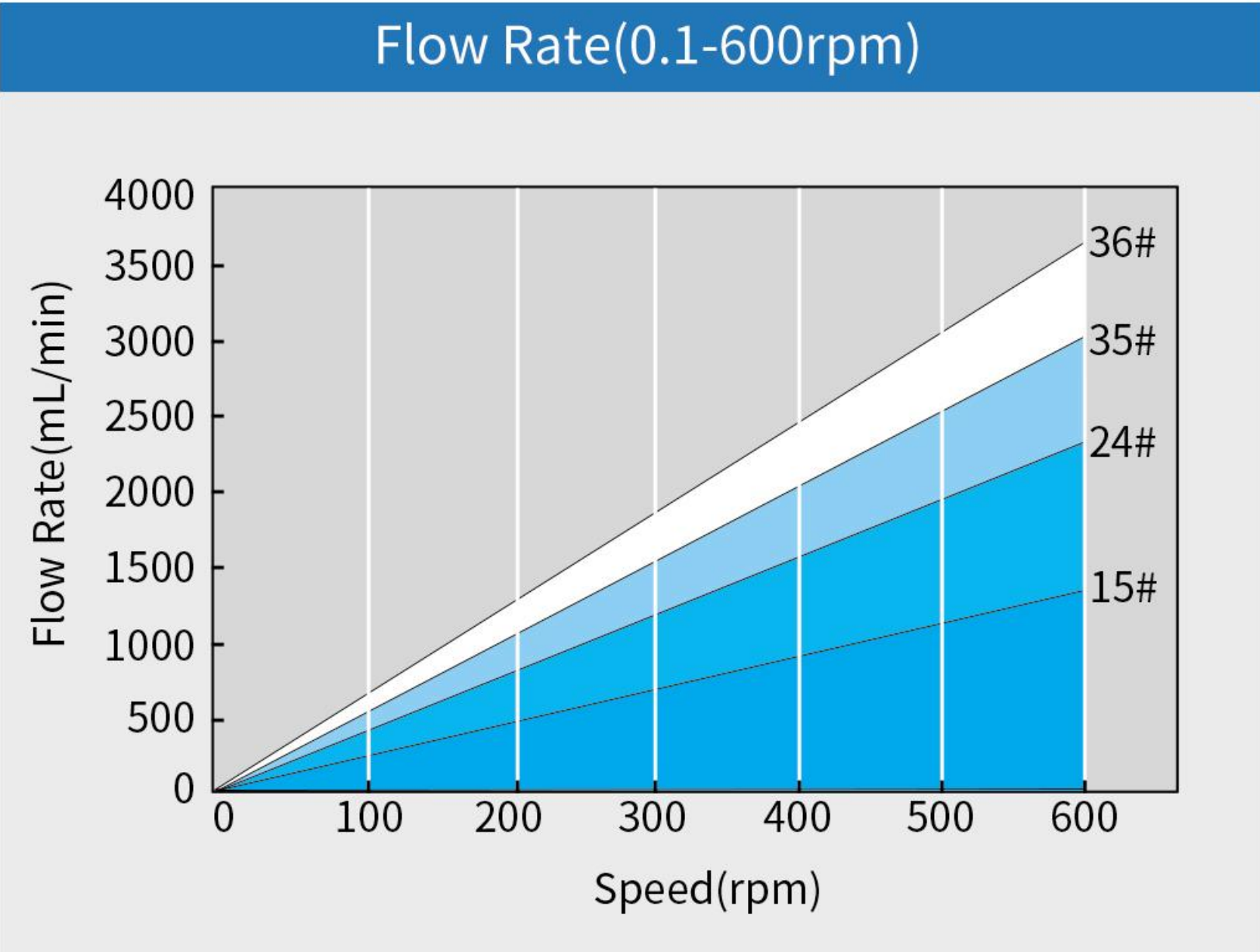
DZ25-3L Series

Dimension Drawing (Unit:mm)



Pump Drive ● HPM600 ● HPM600-SS ● HPM600E-SS

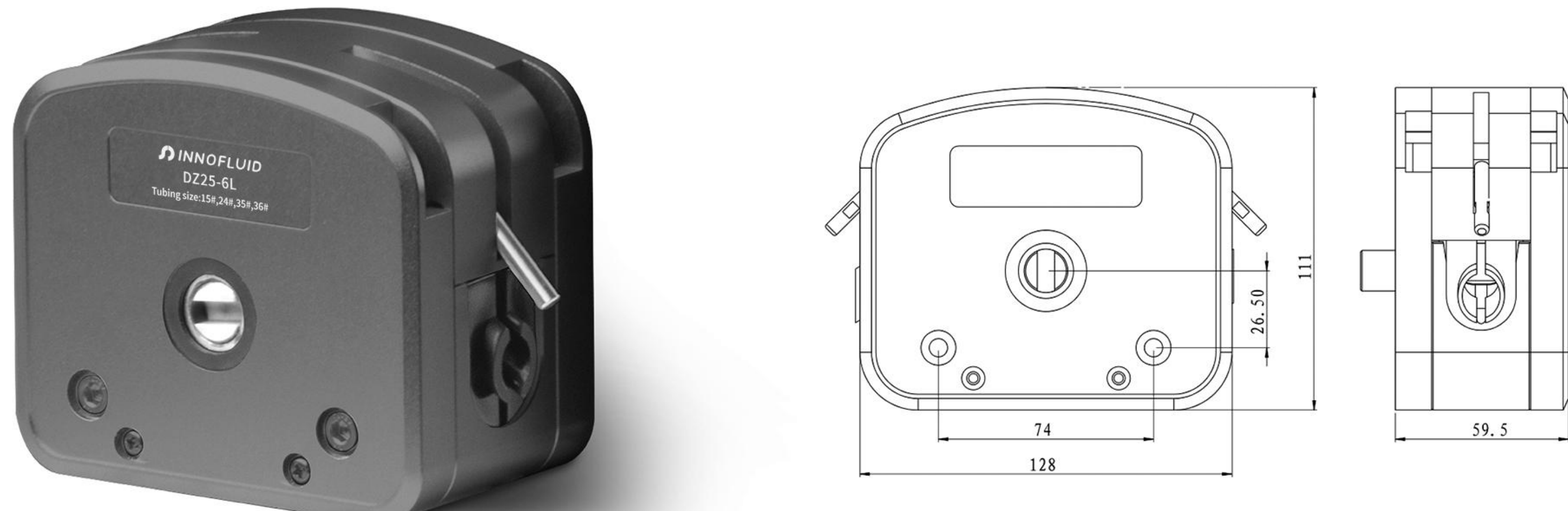
DZ25-3L Pump Head Technical Specifications								
Pump Head	Housing Material	Tube Clamp Material	Speed (rpm)	mL/r	Tubing		Flow Rate (mL/min)	Weight (kg)
					Sizes	IDxWall Thickness(mm)		
DZ25-3L	PPS	Polyamide	0.1-600	2.11	15#	4.8X2.4	0.211-1264	0.5
				3.85	24#	6.4X2.4	0.385-2310	
	Aluminum alloy			5.08	35#	7.9X2.4	0.508-3050	1.16
				6	36#	9.6X2.4	0.6-3600	



DZ25-3LPump Head Filling Volume Reference Parameter						
Pump Head	Tubing	Filling Volume (mL)	Filling Time (s)	Accuracy (±%)	Output (pcs/min)	Motor Speed (rpm)
DZ25-3L	15#	20	1.2	0.5	27	473.9
	24#	40	1.5	0.5	24	415.6
	35#	50	1.5	0.5	24	393.7
	36#	70	2	0.5	20	350.0

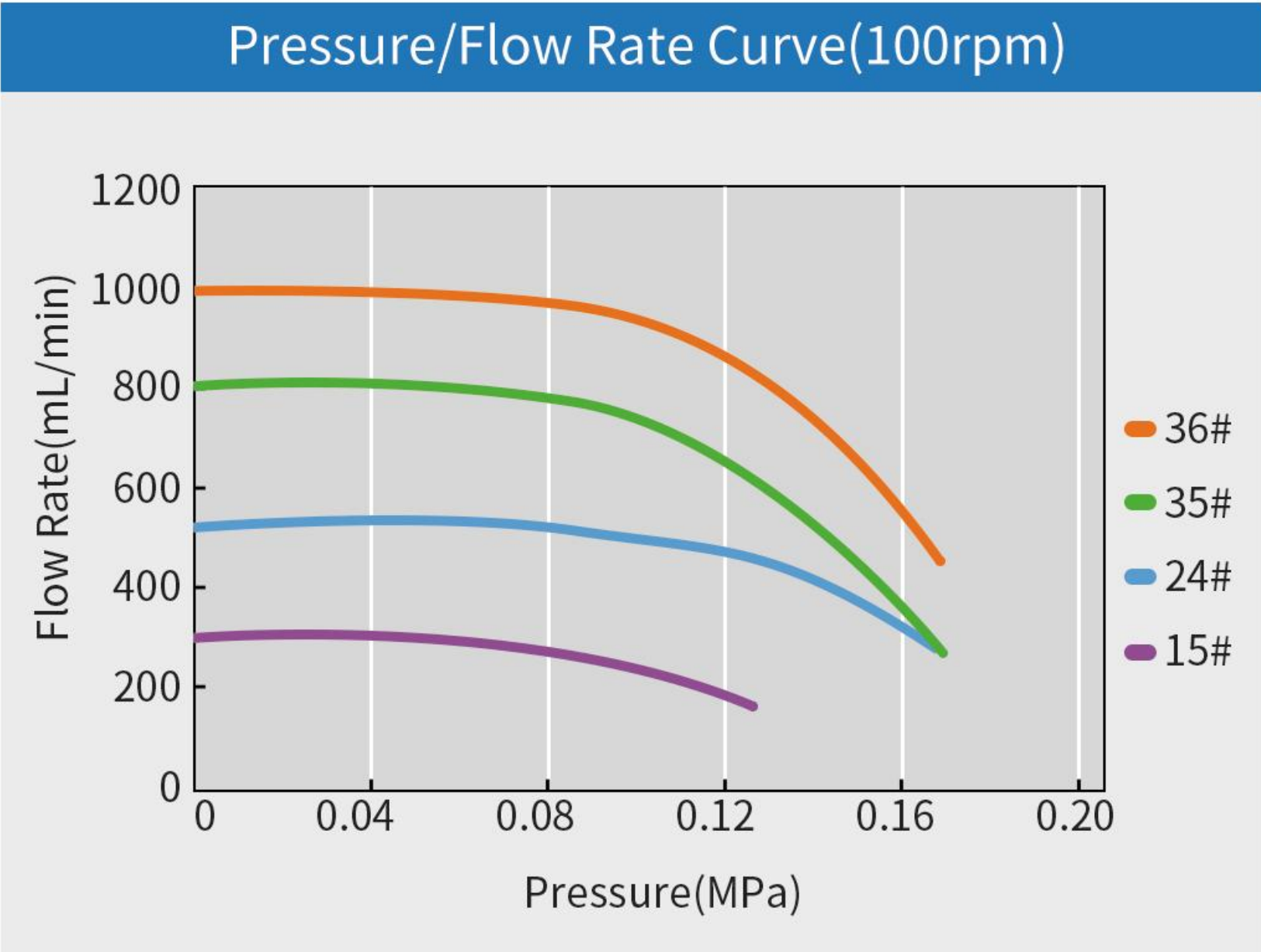
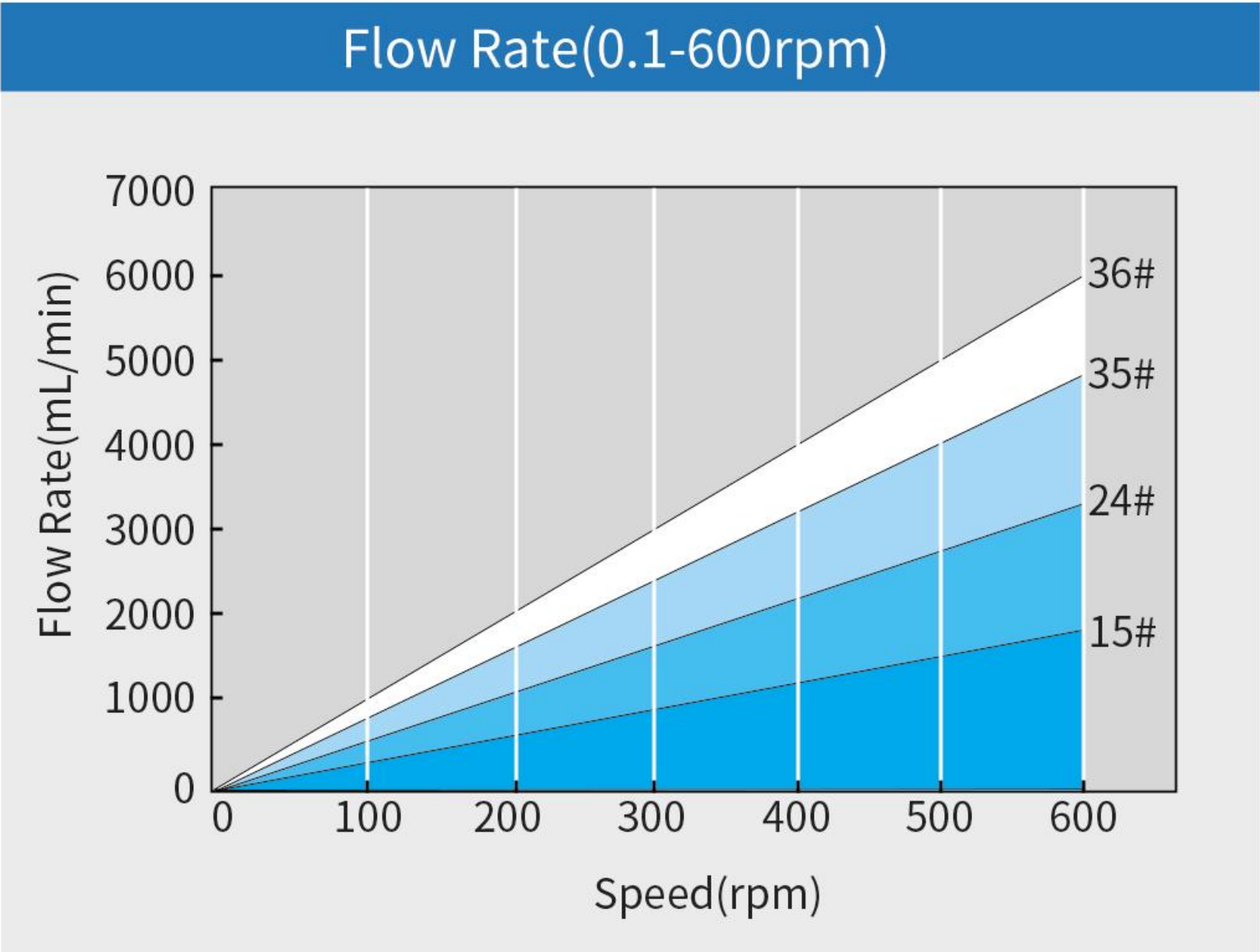
DZ25-6L Series

Dimension Drawing (Unit:mm)



Pump Drive ● HP600 ● HPM600 ● HPM600-SS ● HPM600E-SS

DZ25-6L Pump Head Technical Specifications								
Pump Head	Housing Material	Tube Clamp Material	Speed (rpm)	mL/r	Tubing		Flow Rate (mL/min)	Weight (kg)
					Sizes	IDxWall Thickness(mm)		
DZ25-6L	PPS	Polyamide	0.1-600	3	15#	4.8X2.4	0.3-1800	0.85
				5.5	24#	6.4X2.4	0.55-3300	
	Aluminum alloy			8	35#	7.9X2.4	0.8-4800	1.87
				10	36#	9.6X2.4	1-6000	

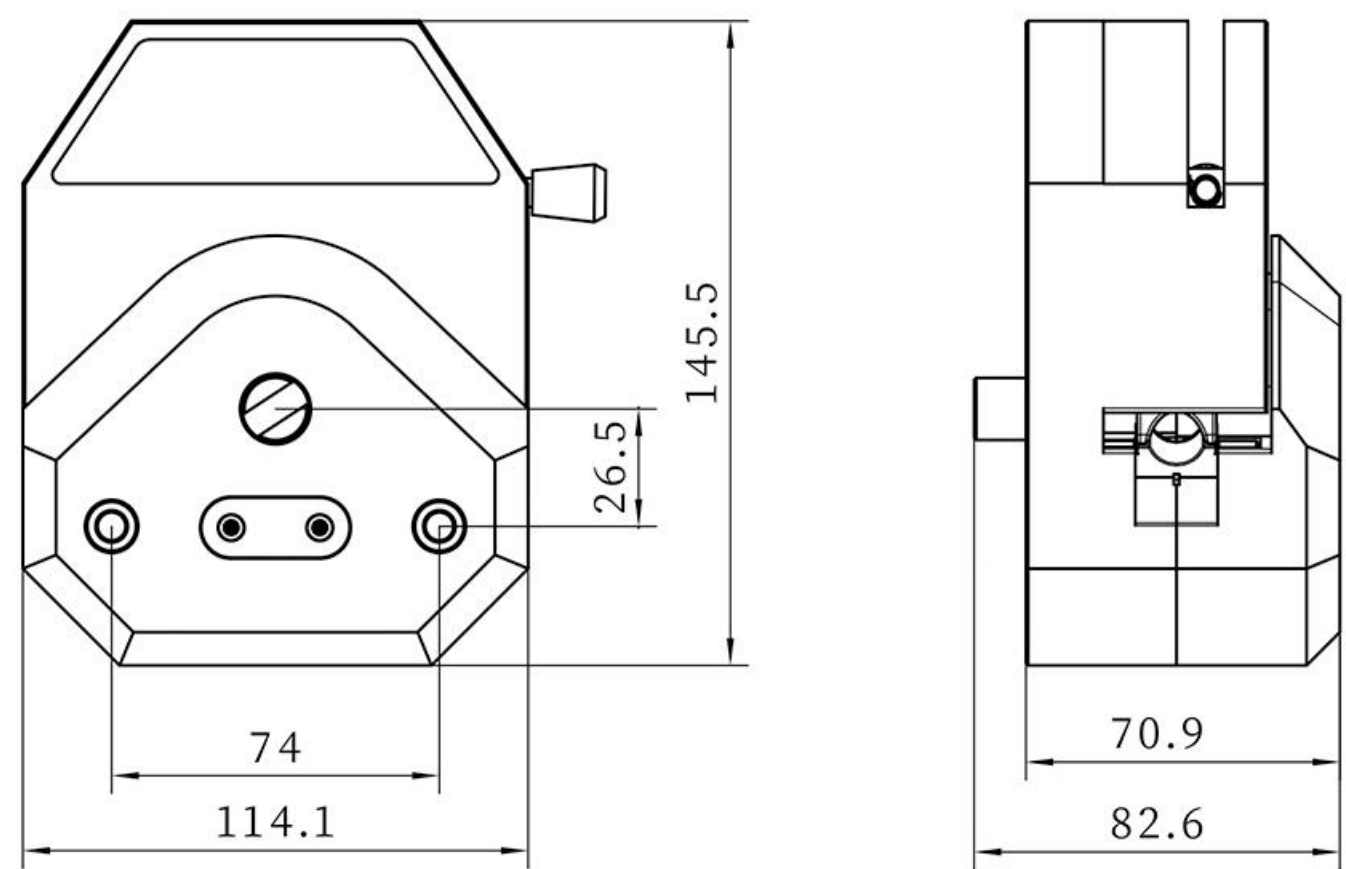


DZ25-6L Pump Head Filling Volume Reference Parameter						
Pump Head	Tubing	Filling Volume (mL)	Filling Time (s)	Accuracy (±%)	Output (pcs/min)	Motor Speed (rpm)
DZ25-6L	15#	30	1.2	0.5	27	500.0
	24#	50	1.2	0.5	27	454.6
	35#	70	1.2	0.5	27	437.5
	36#	100	1.5	0.5	24	400.0

YZ25-6L Series

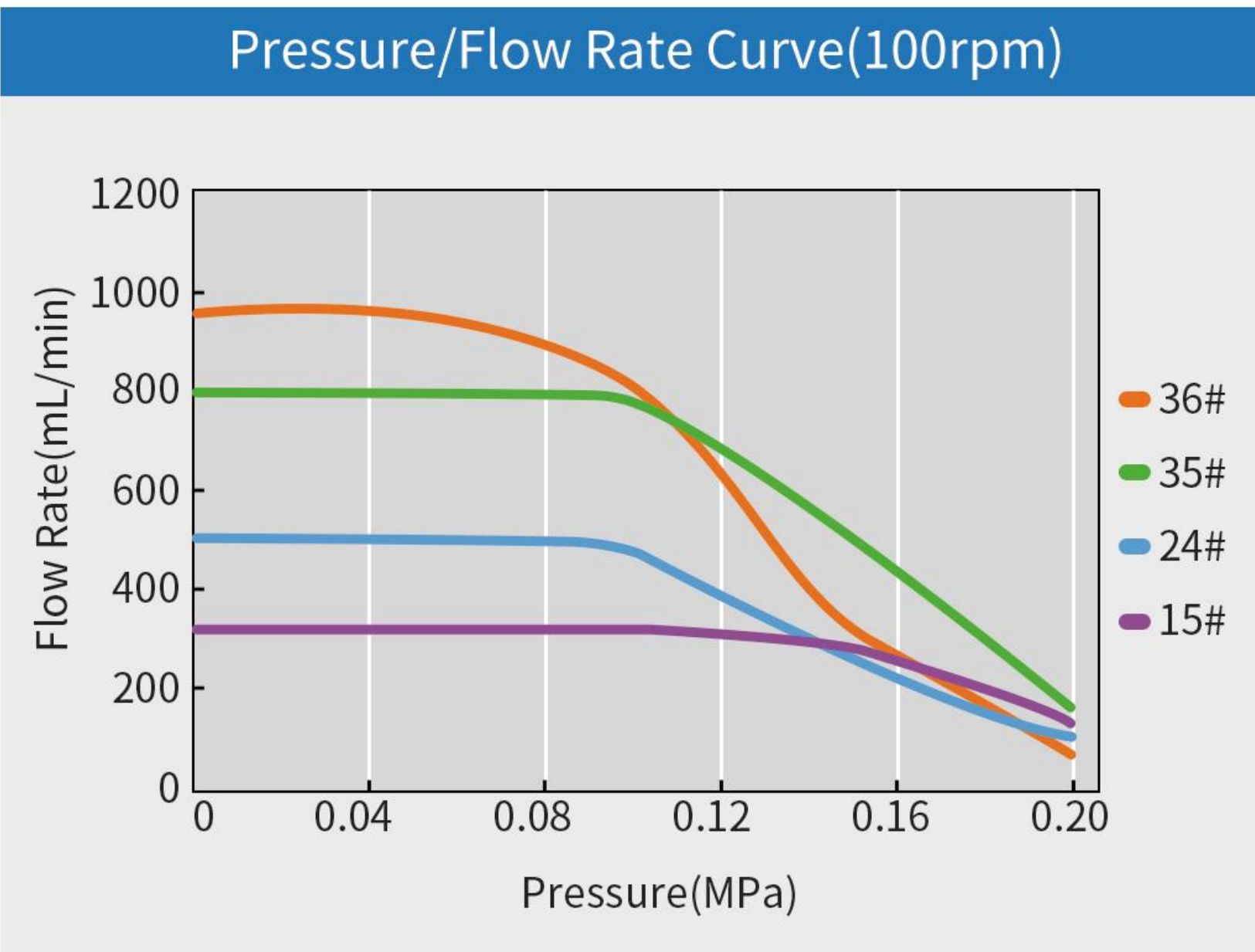
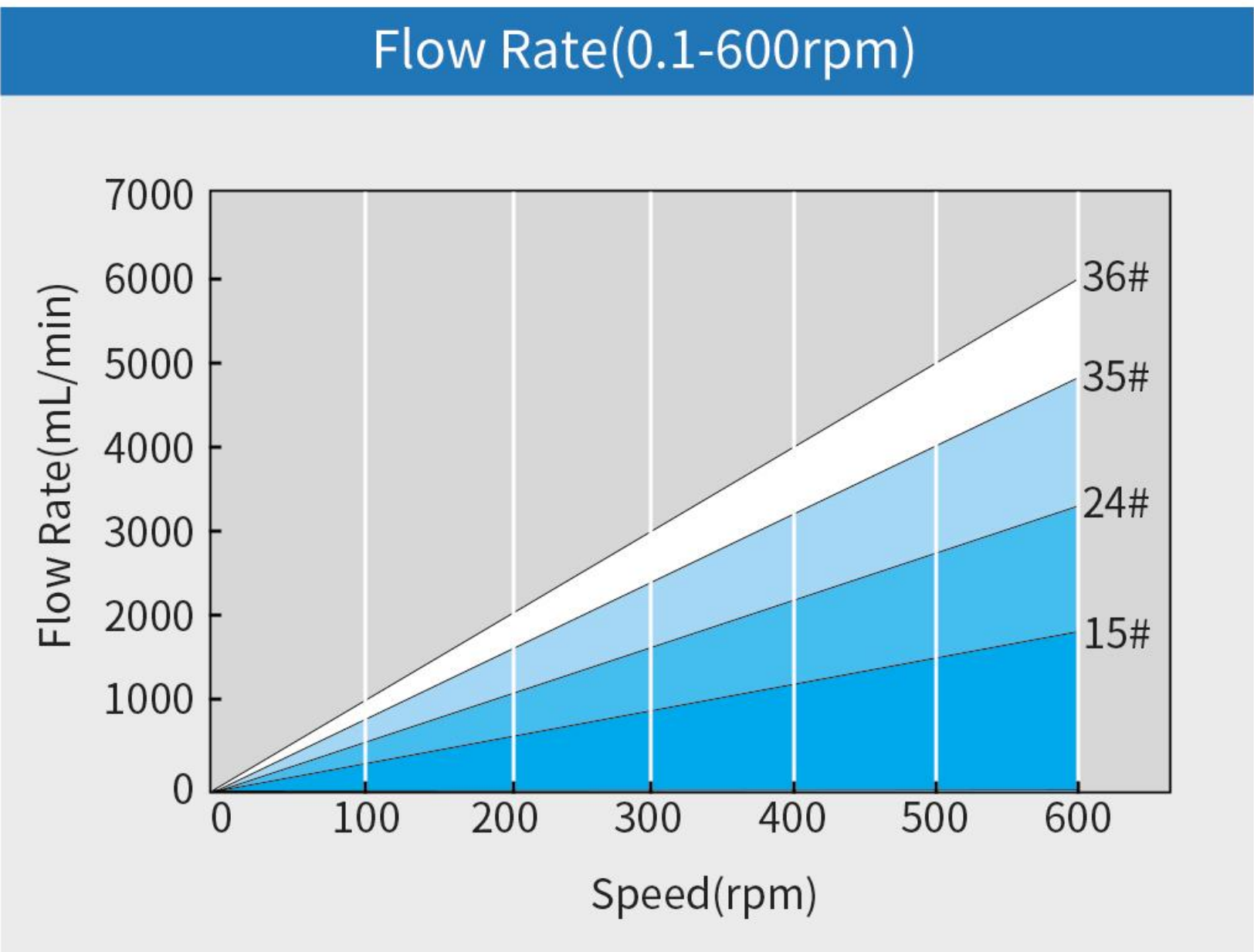


Dimension Drawing (Unit:mm)



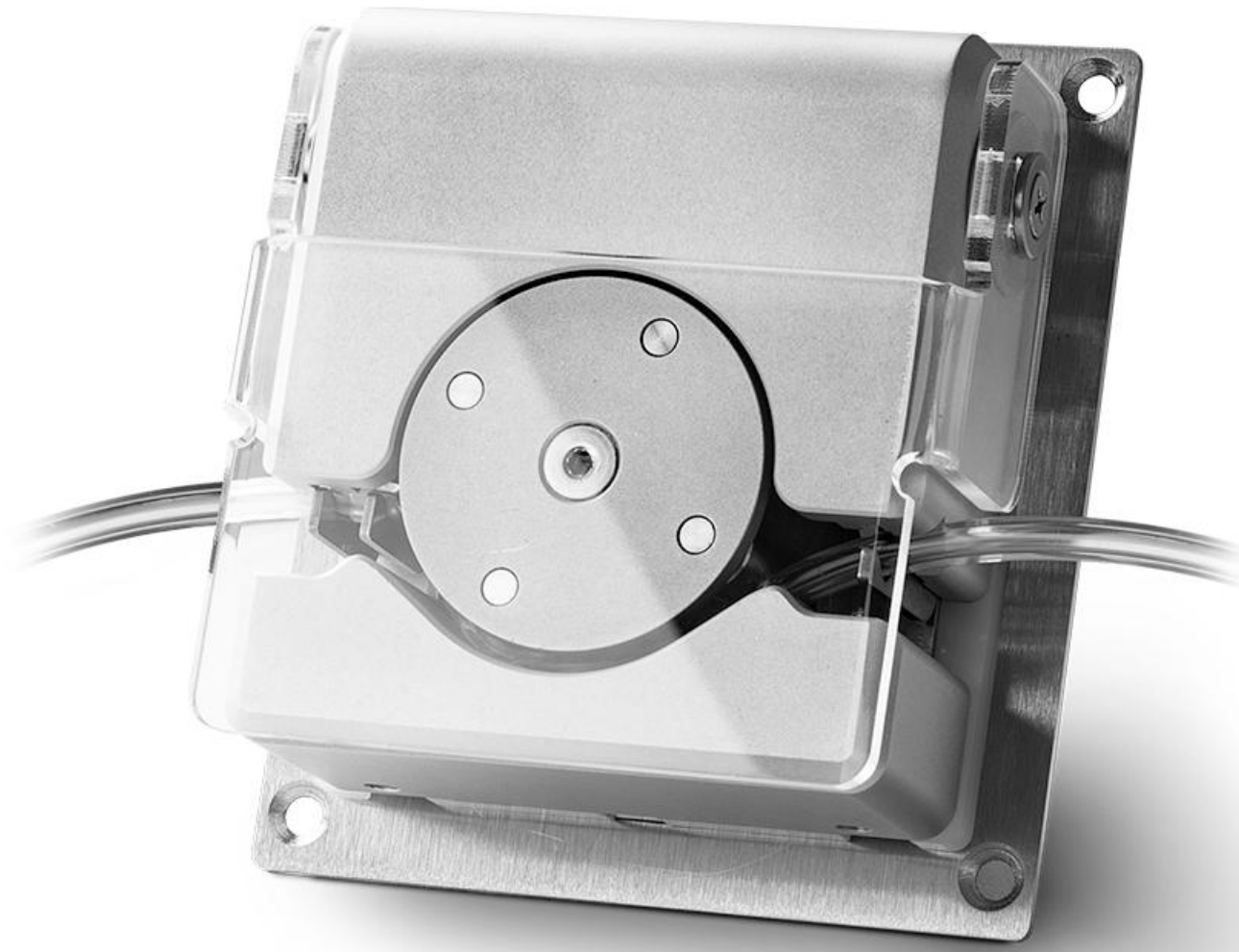
Pump Drive ● HP600 ● HPM600 ● HPM600-SS ● HPM600E-SS

YZ25-6L Pump Head Technical Specifications								
Pump Head	Housing Material	Tube Clamp Material	Speed (rpm)	mL/r	Tubing		Flow Rate (mL/min)	Weight (kg)
					Sizes	IDxWall Thickness(mm)		
YZ25-6L	Aluminum alloy	POM	0.1-600	3	15#	4.8X2.4	0.3-1800	1.78
				5.5	24#	6.4X2.4	0.55-3300	
				8	35#	7.9X2.4	0.8-4800	
				10	36#	9.6X2.4	1-6000	

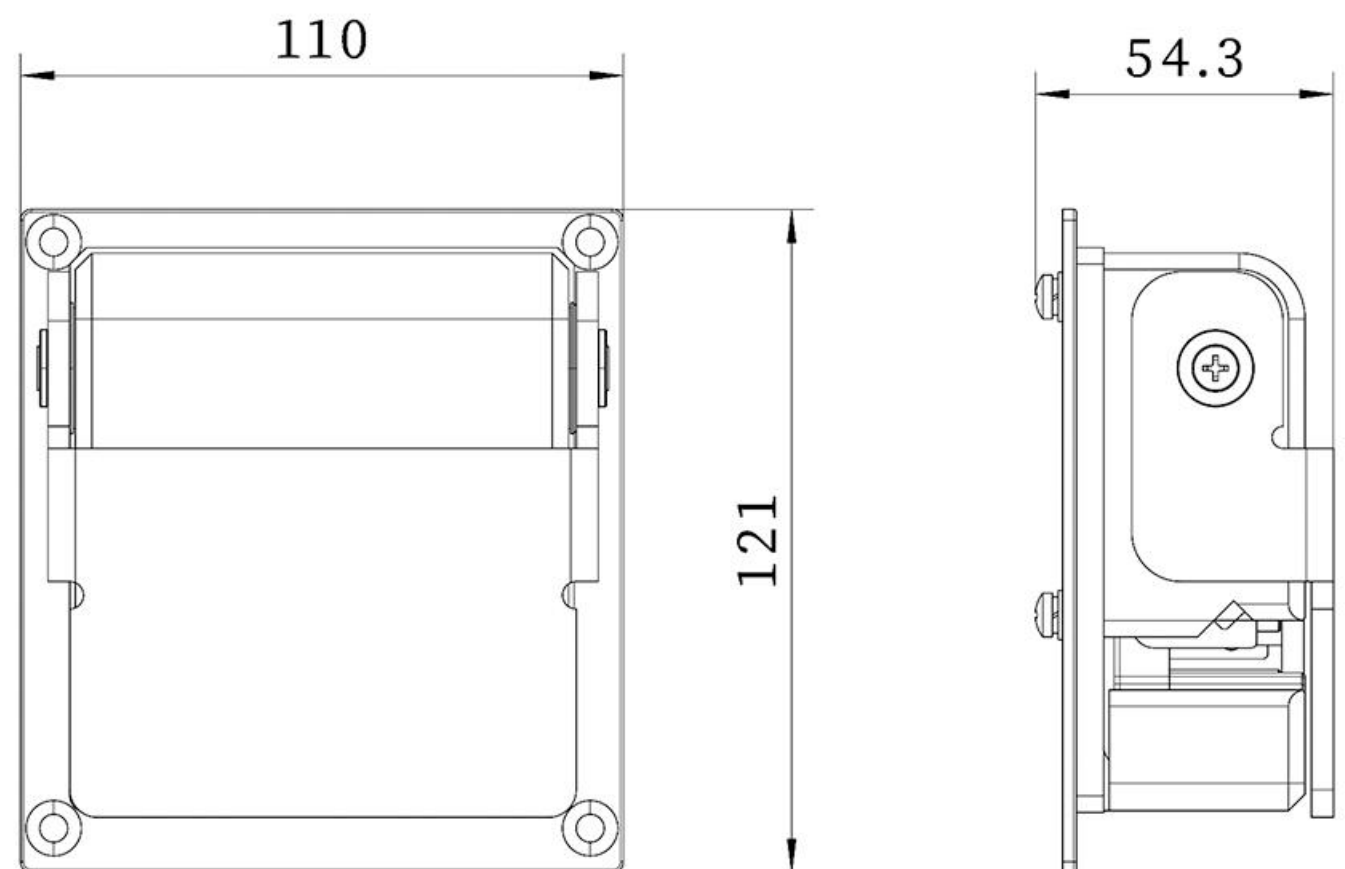


YZ25-6L Pump Head Filling Volume Reference Parameter						
Pump Head	Tubing	Filling Volume (mL)	Filling Time (s)	Accuracy (±%)	Output (pcs/min)	Motor Speed (rpm)
YZ25-6L	15#	30	1.2	0.5	27	500.0
	24#	50	1.2	0.5	27	454.6
	35#	70	1.2	0.5	27	437.5
	36#	100	1.5	0.5	24	400.0

High Pressure Pump Head GY15

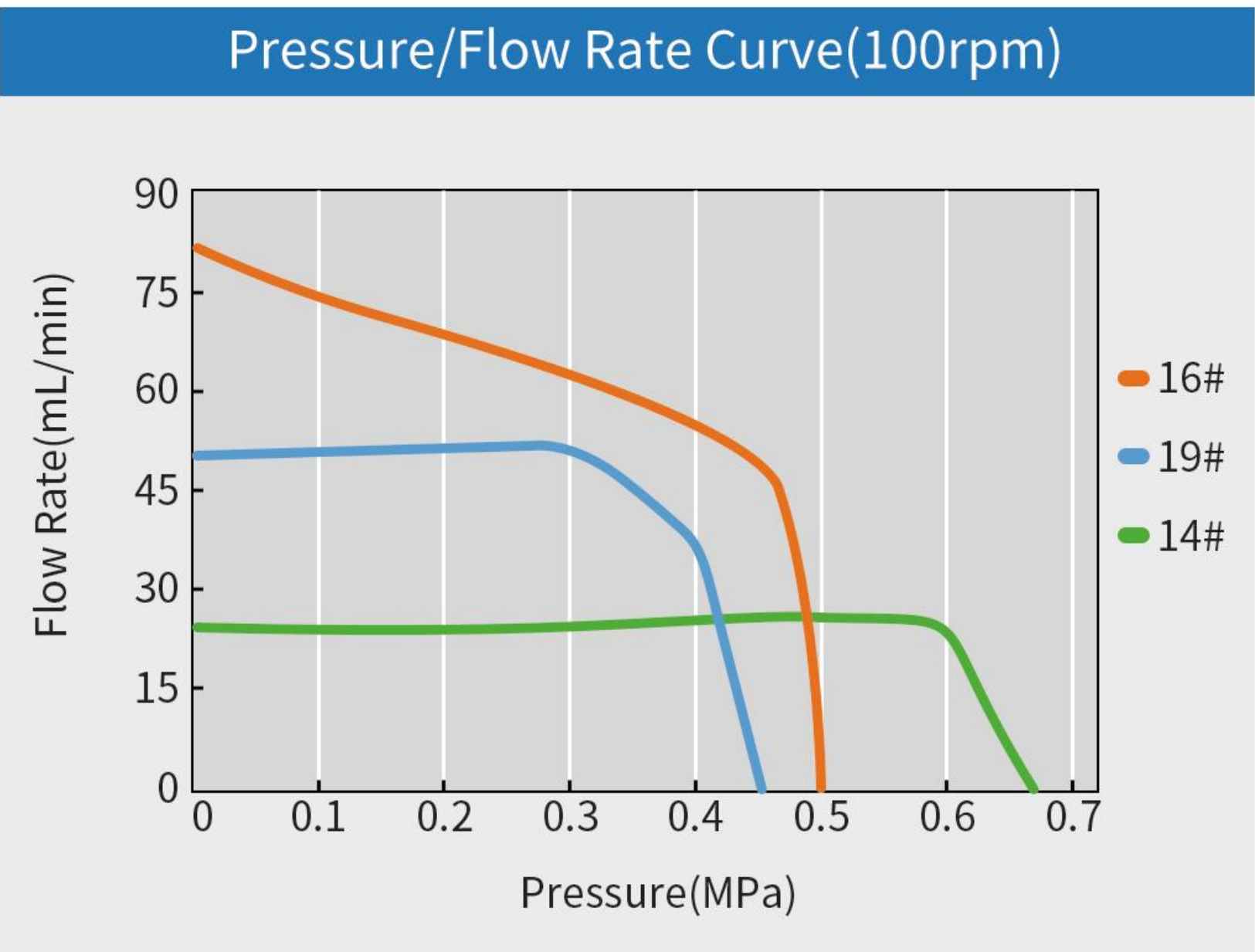
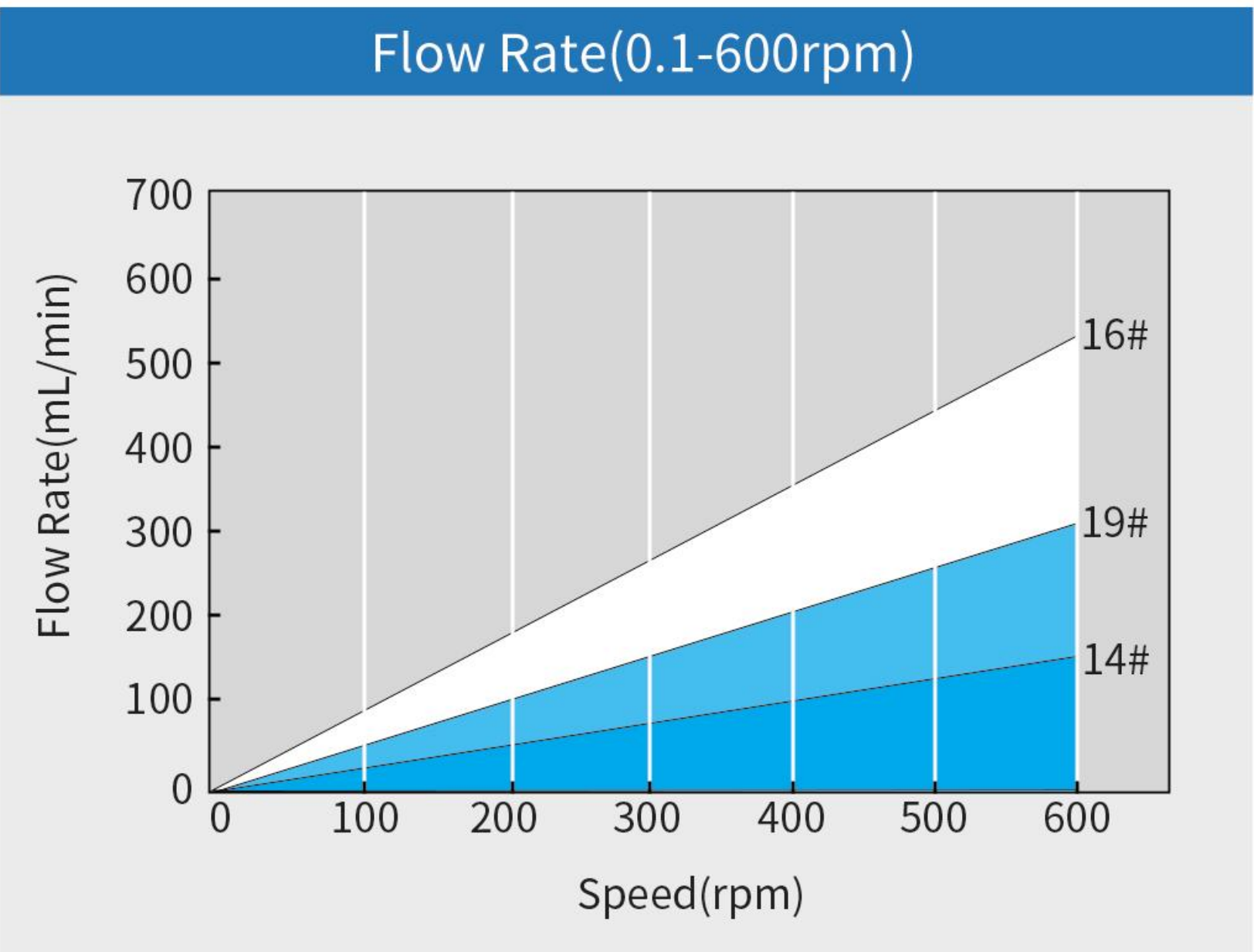


Dimension Drawing (Unit:mm)



Pump Drive ● HPM600G

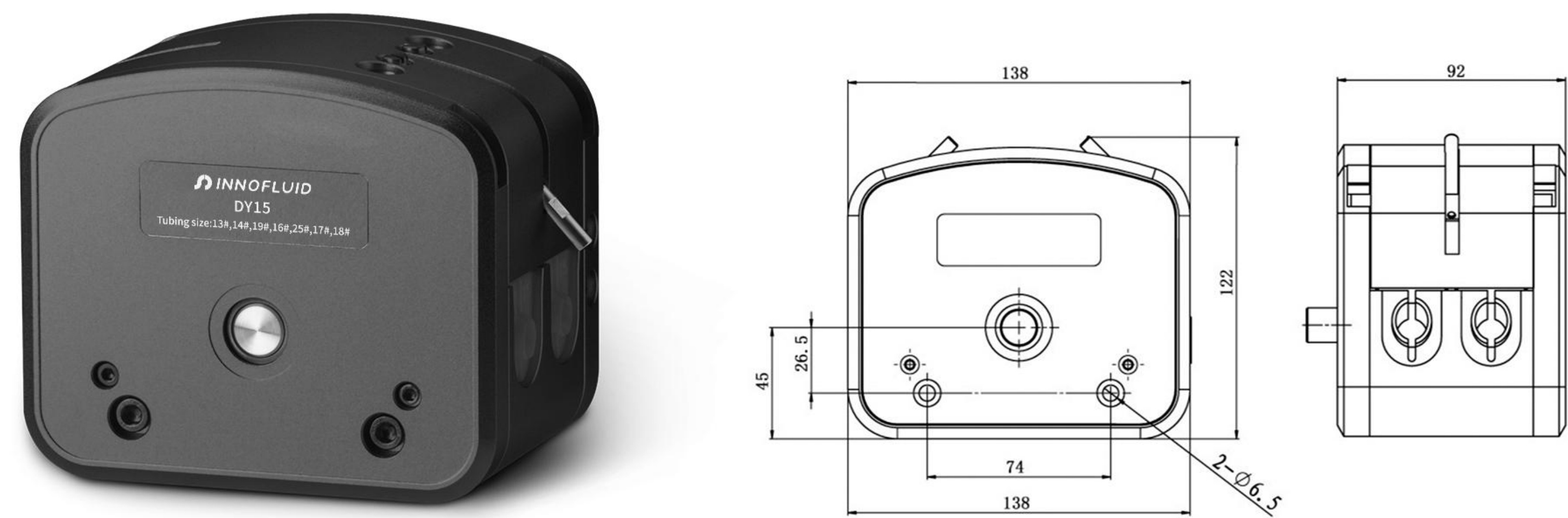
GY15 Pump Head Technical Specifications								
Pump Head	Housing material	Tube clamp material	Speed (rpm)	mL/r	Tubing		Flow Rate (mL/min)	Weight (kg)
					Sizes	IDxWall Thickness(mm)		
GY15	Aluminum alloy	Stainless steel	0.1-600	0.255	14#	1.6x1.6	0.0255-153	0.95
				0.51	19#	2.4x1.6	0.051-306	
				0.855	16#	3.1x1.6	0.0855-513	



GY15 Pump Head Filling Volume Reference Parameter						
Pump Head	Tubing	Filling Volume (mL)	Filling Time (s)	Accuracy (±%)	Output (pcs/min)	Motor Speed (rpm)
GY15	14#	0.5	1	2.5	30	133
	14#	1	1	2	60	258
	14#	2	1	2	120	512
	19#	3	1	2	180	292
	19#	4	1	2	240	400
	16#	5	1	2	300	347

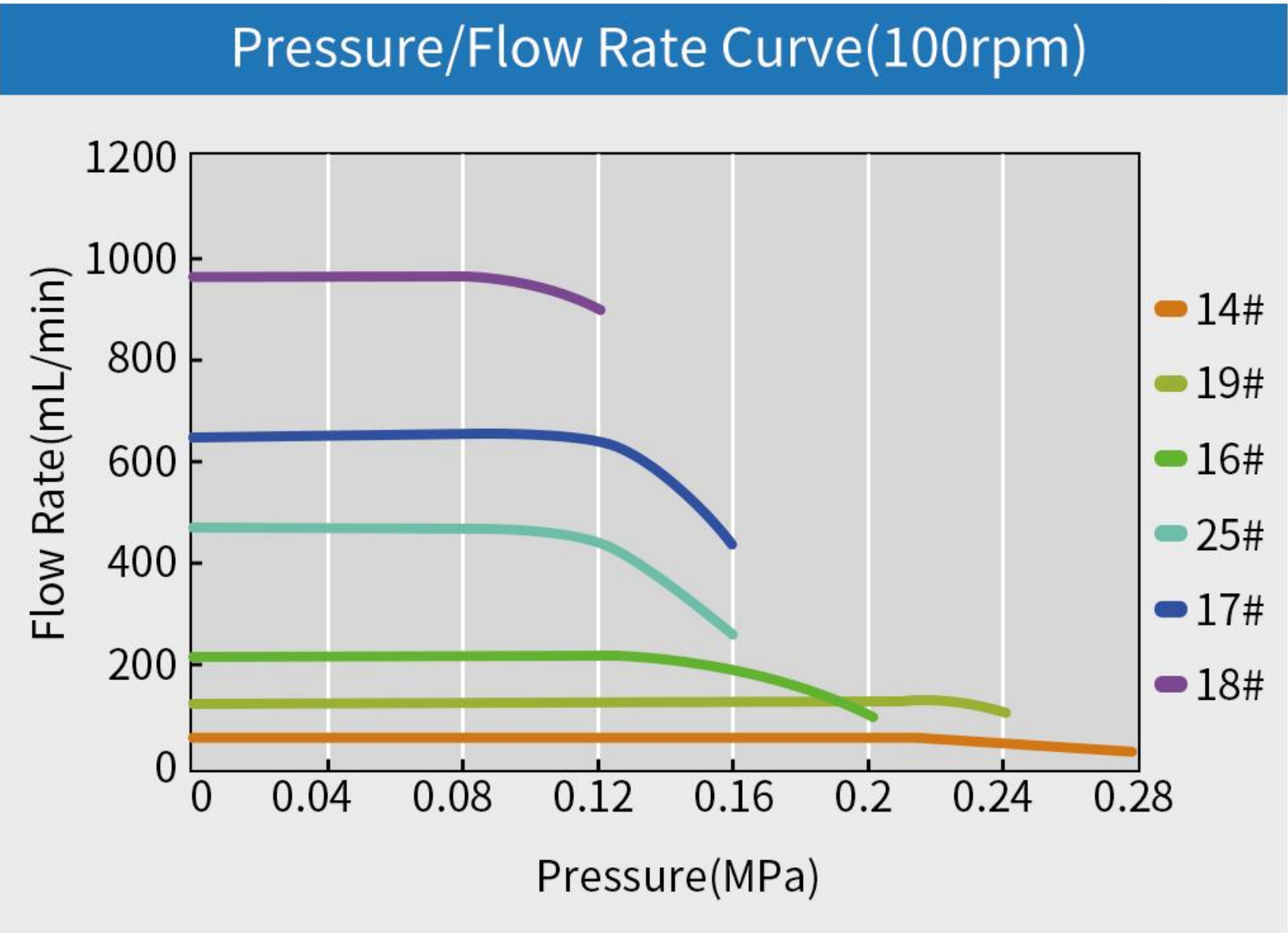
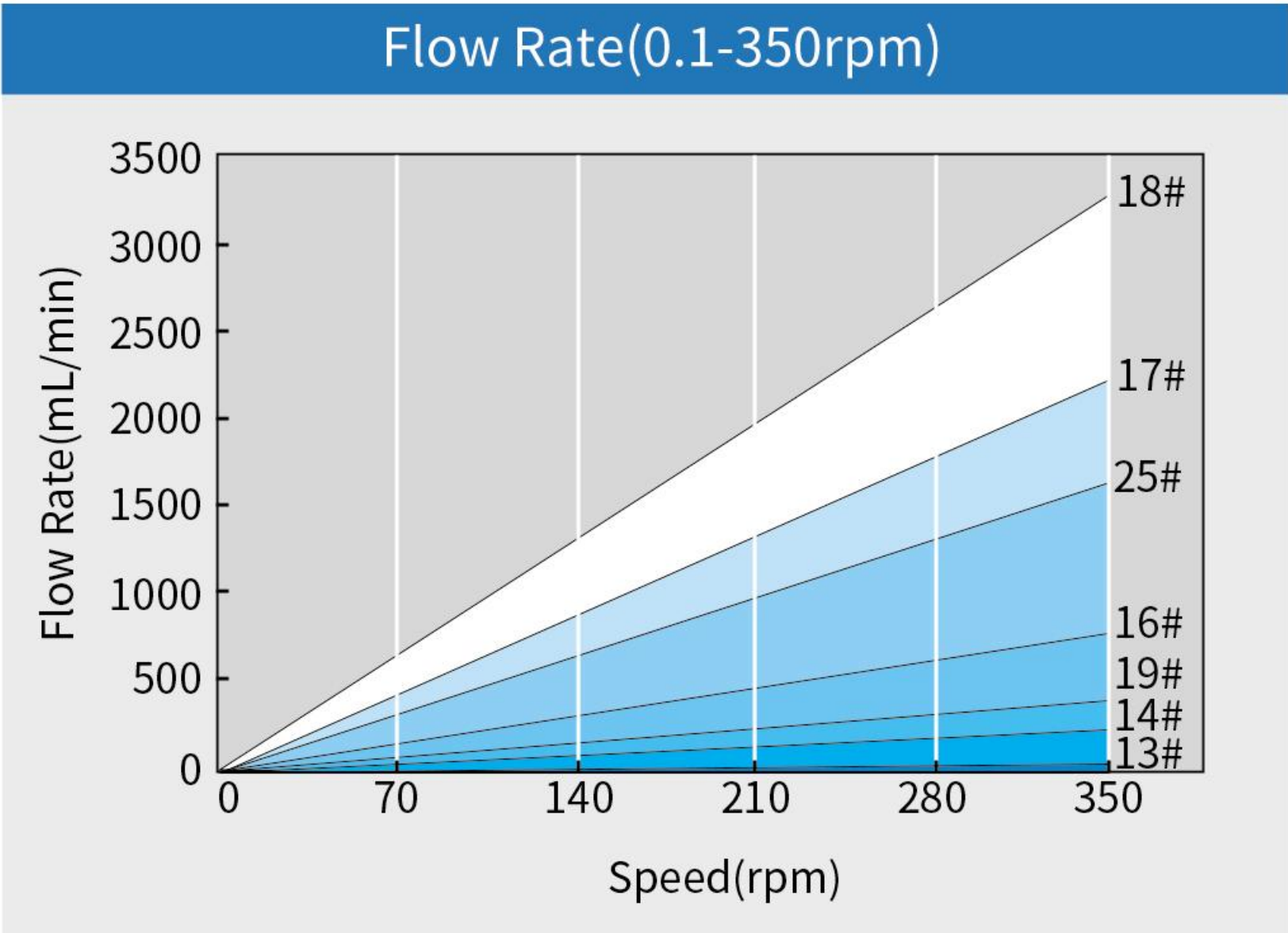
DY15 Series

Dimension Drawing (Unit:mm)



Pump Drive ● HP350

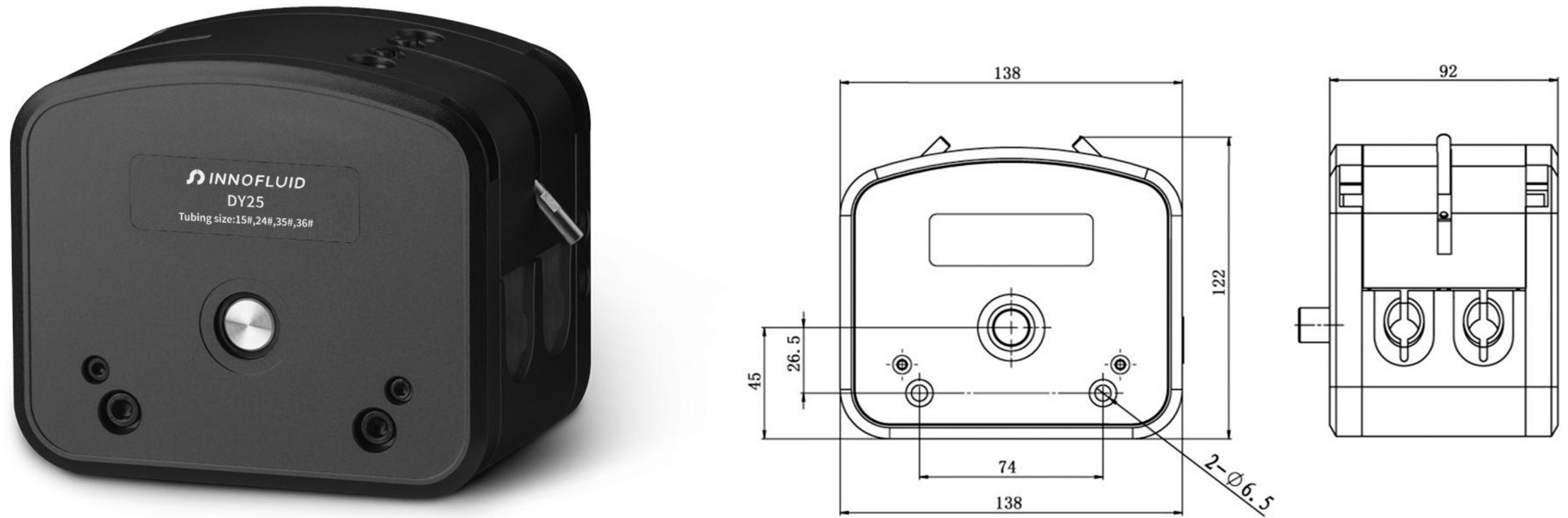
DY15 Pump Head Technical Specifications								
Pump Head	Housing Material	Tube Clamp Material	Speed (rpm)	mL/r	Tubing		Flow Rate (mL/min)	Weight (kg)
					Sizes	IDxWall Thickness(mm)		
DY15	Aluminum alloy	Polyamide	0.1-350	0.14	13#	0.8x1.6	0.01-48	3.2
				0.64	14#	1.6x1.6	0.06-223	
				1.28	19#	2.4x1.6	0.13-448	
				2.07	16#	3.1x1.6	0.2-723	
				4.65	25#	4.8x1.6	0.47-1626	
				6.37	17#	6.4x1.6	0.64-2230	
				9.53	18#	7.9x1.6	0.95-3337	



DY15 Pump Head Filling Volume Reference Parameter						
Pump Head	Tubing	Filling Volume (mL)	Filling Time (s)	Accuracy (±%)	Output (pcs/min)	Motor Speed (rpm)
DY15	14#	0.5	0.5	1	30	94.2
	14#	1	0.6	0.8	38	157.0
	14#	3	1	0.5	30	282.6
	19#	5	1	0.8	30	234.4
	16#	15	1.5	0.5	24	290.4
	25#	20	1	0.5	30	258.3
	17#	30	1	0.5	30	282.5
	18#	100	2.5	0.5	17	251.7

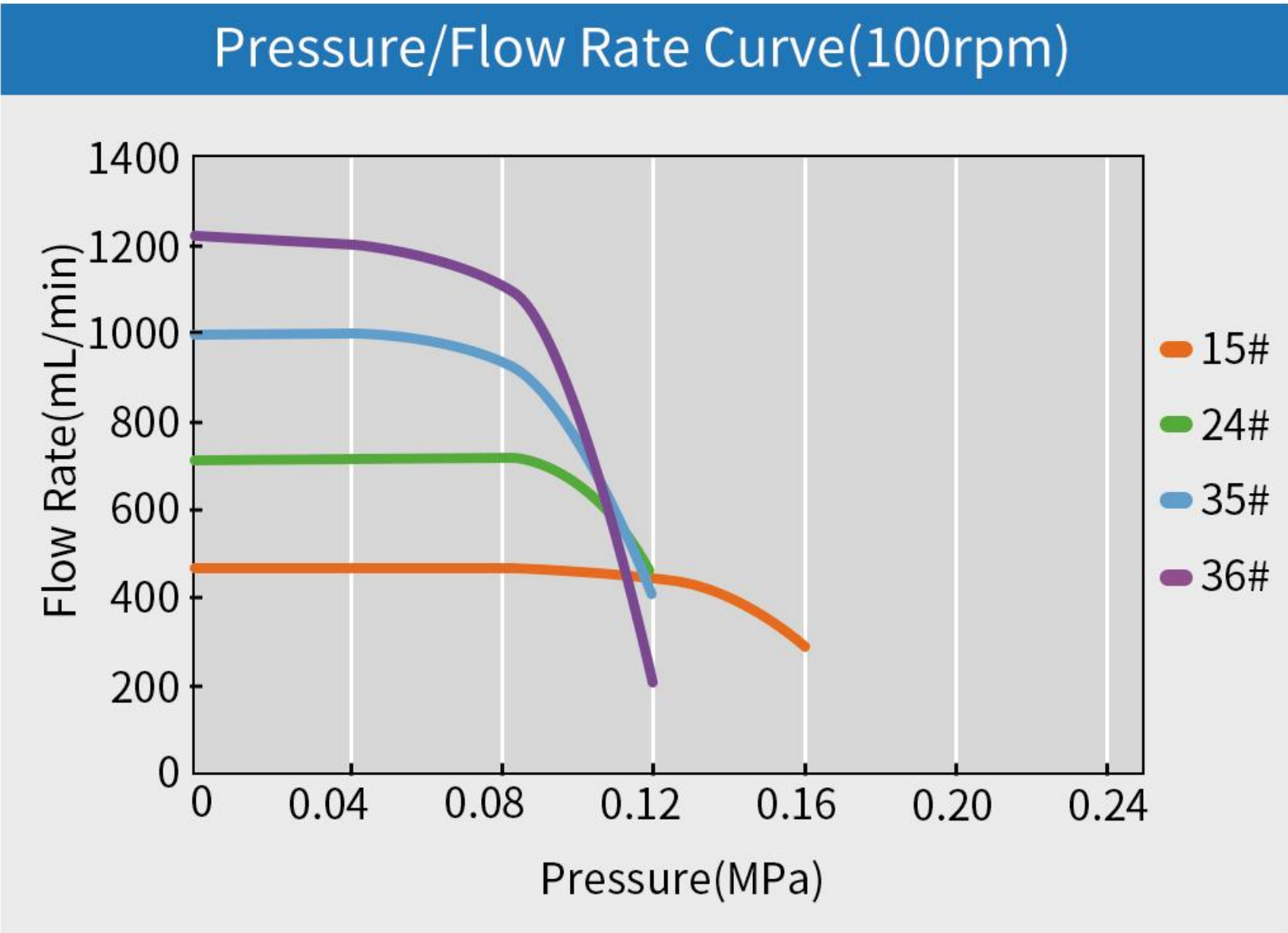
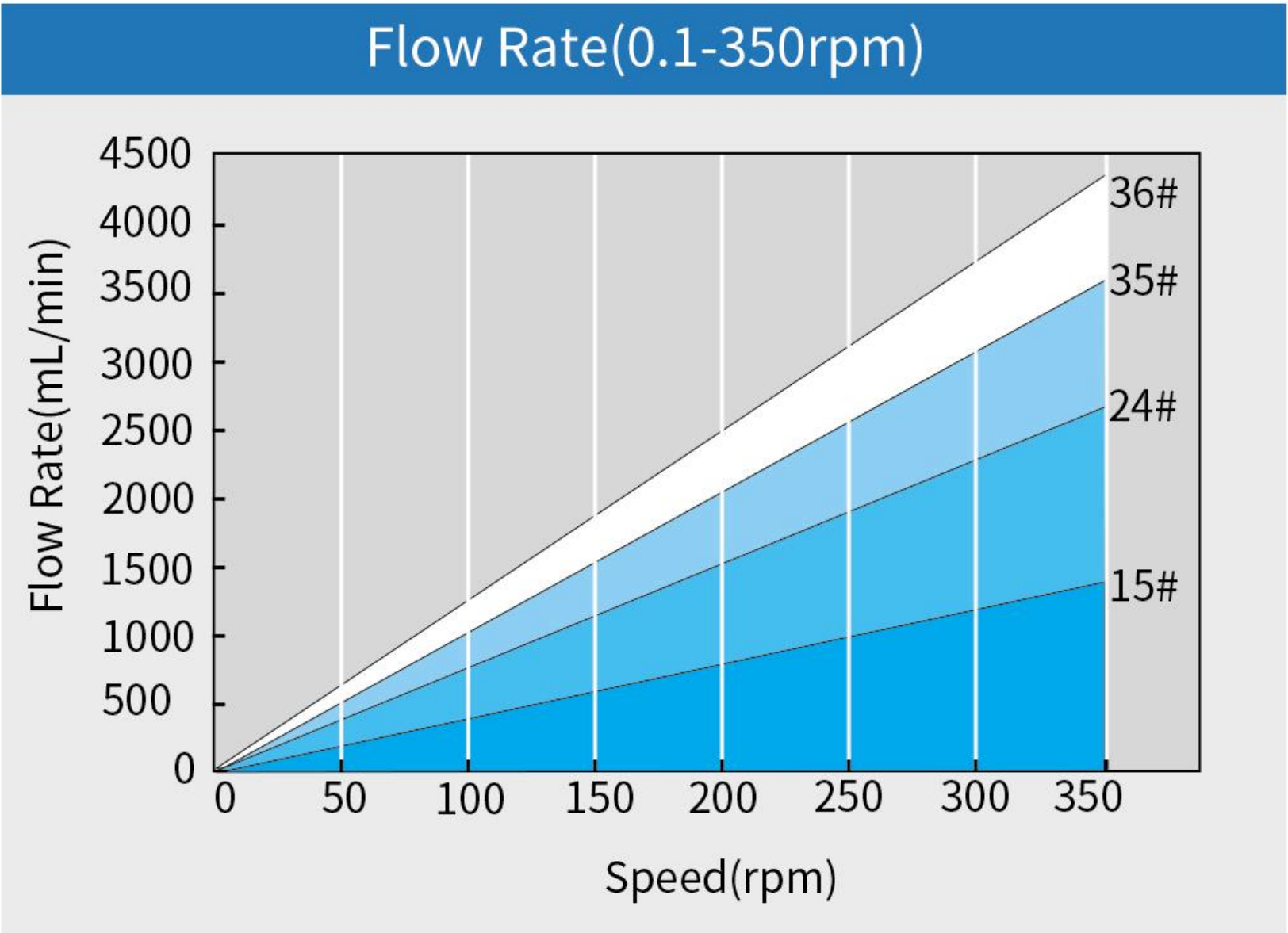
DY25 Series

Dimension Drawing (Unit:mm)



Pump Drive ● HP350

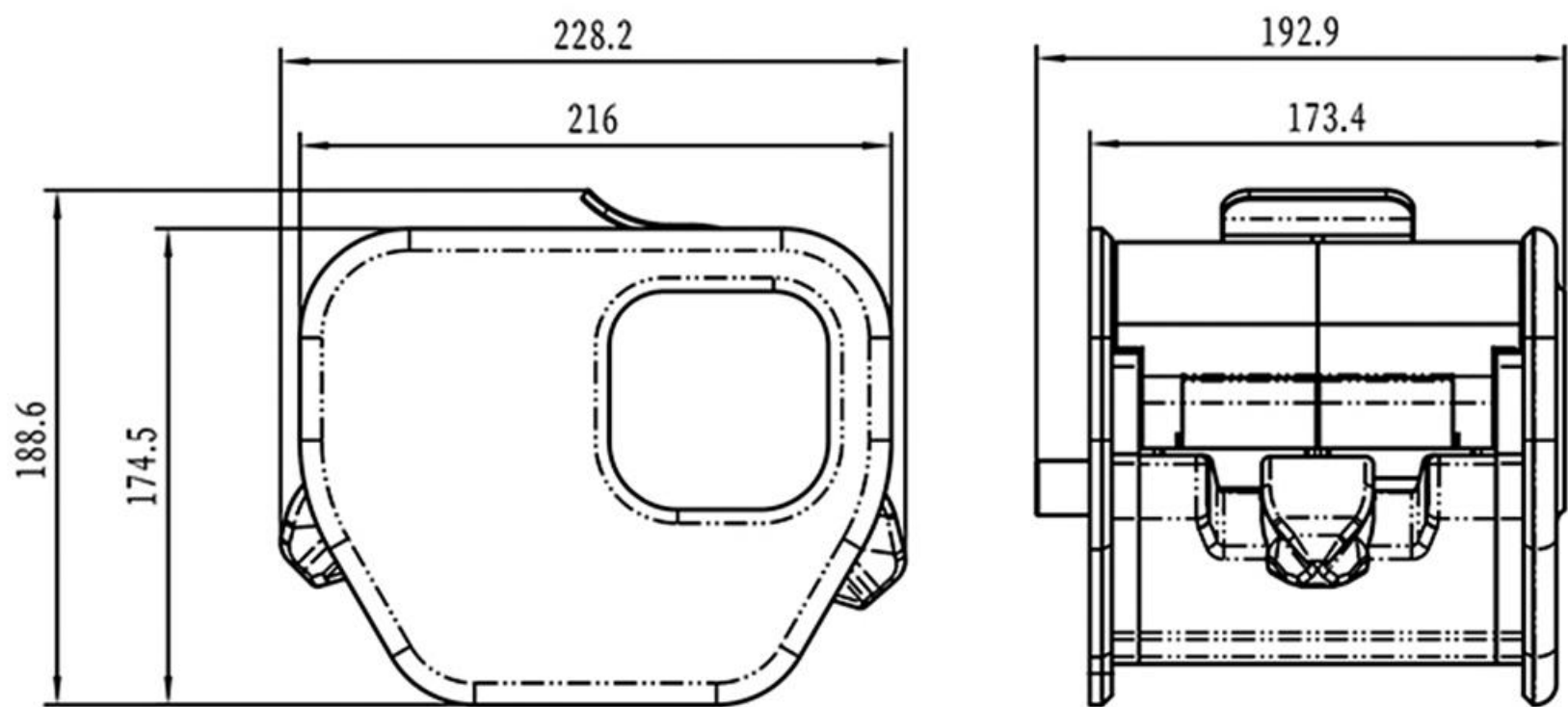
DY25 Pump Head Technical Specifications								
Pump Head	Housing Material	Tube Clamp Material	Speed (rpm)	mL/r	Tubing		Flow Rate (mL/min)	Weight (kg)
					Sizes	IDxWall Thickness(mm)		
DY25	Aluminum alloy	Polyamide	0.1-350	4.23	15#	4.8X2.4	0.42-1480	3.2
				7.63	24#	6.4X2.4	0.76-2670	
				10.29	35#	7.9X2.4	1.03-3600	
				12.40	36#	9.6X2.4	1.24-4340	



DY25 Pump Head Filling Volume Reference Parameter						
Pump Head	Tubing	Filling Volume (mL)	Filling Time (s)	Accuracy (±%)	Output (pcs/min)	Motor Speed (rpm)
DY25	15#	10	0.8	0.8	33	177.3
	24#	30	1	0.8	30	235.9
	35#	70	1.5	0.5	24	272.2
	36#	100	2	0.5	20	241.9

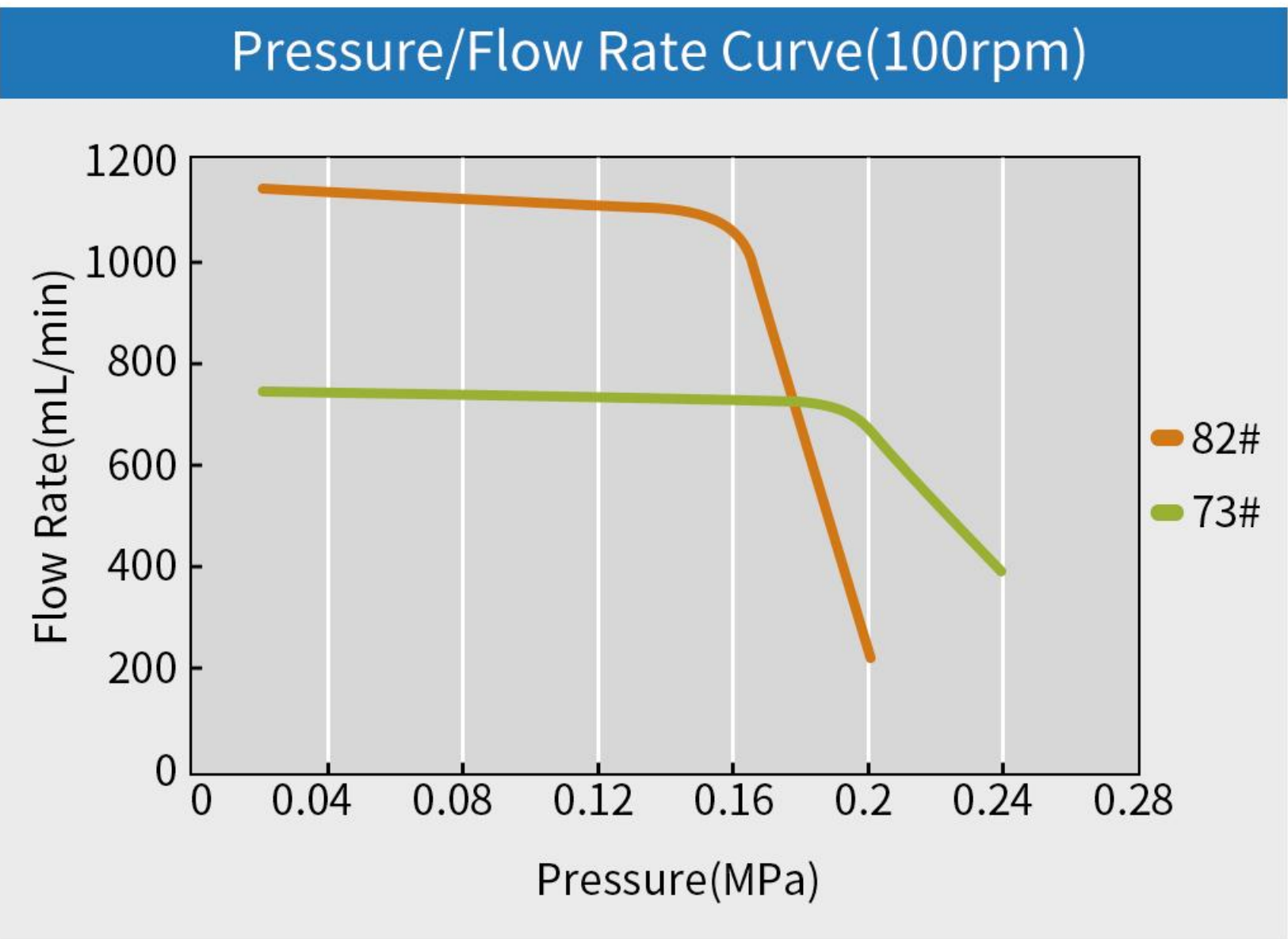
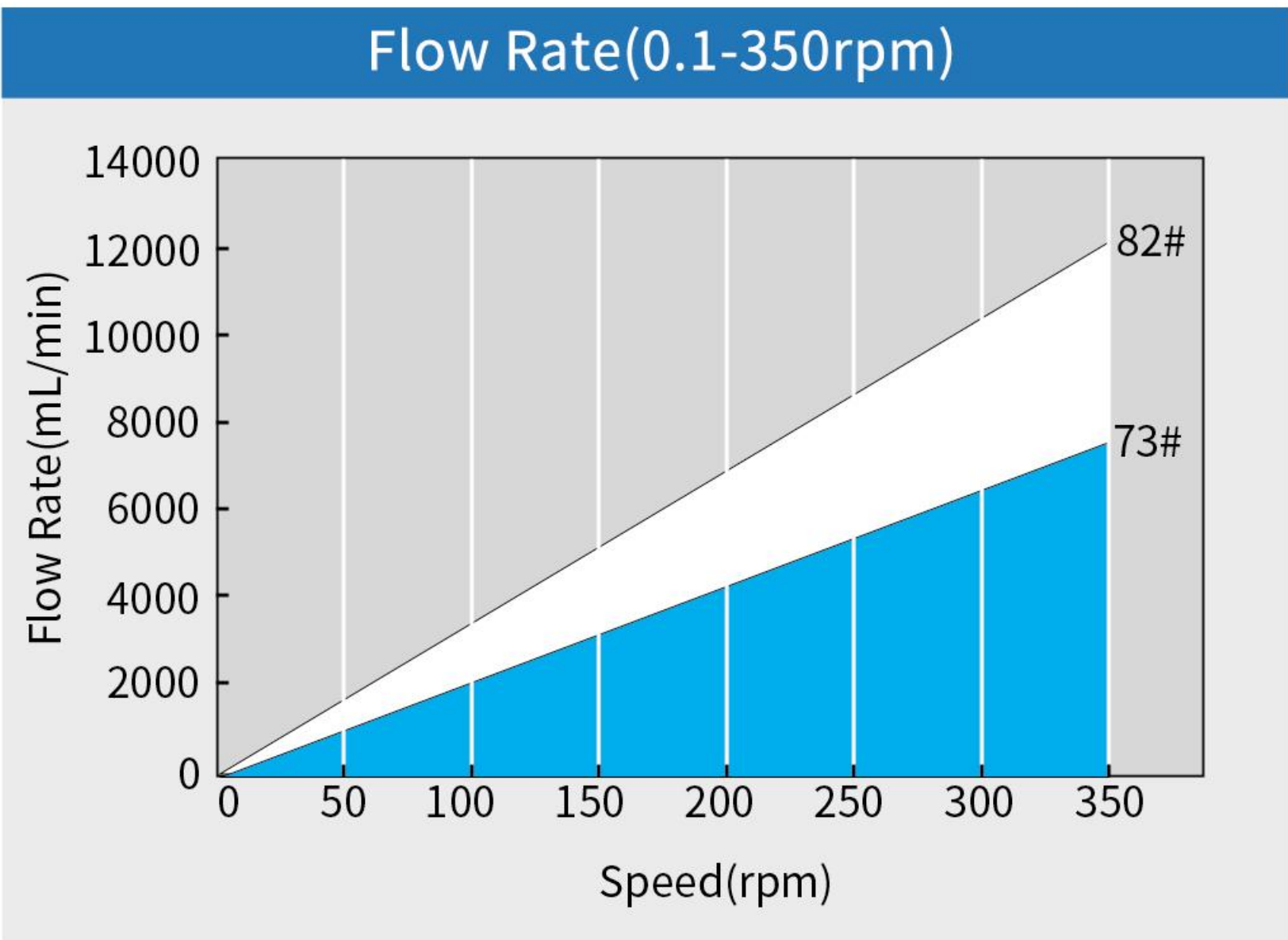
DY35 Series

Dimension Drawing (Unit:mm)



Pump Drive ● HP350

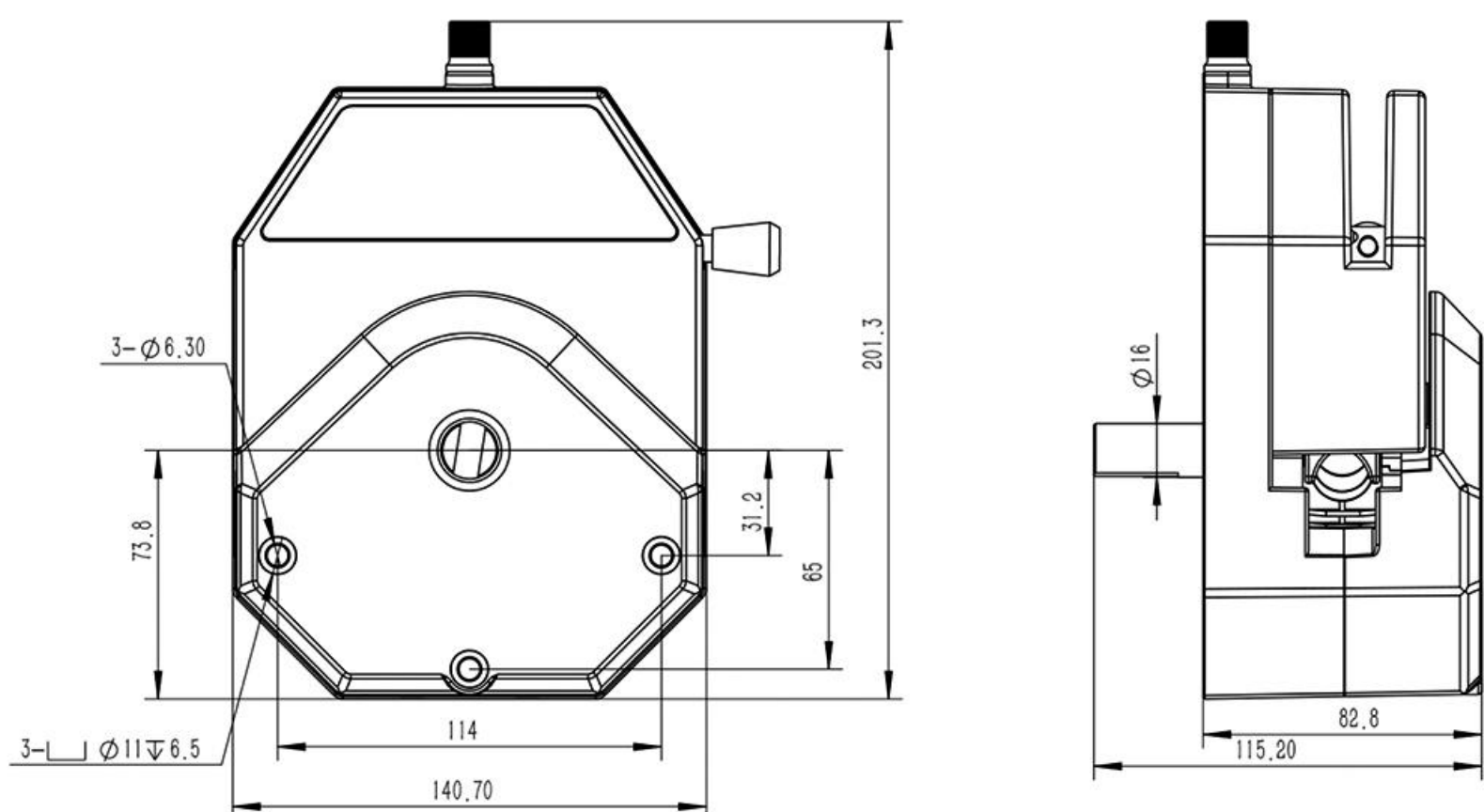
DY35 Pump Head Technical Specifications						
Pump Head	Housing Material	Speed (rpm)	mL/r	Tubing		Weight (kg)
				Sizes	IDxWall Thickness(mm)	
DY35	Aluminum alloy	0.1-350	22.5	73#	9.6x3.3	2.25-7875
			26.4	82#	12.7x3.3	3.64-12740



DY35 Pump Head Filling Volume Reference Parameter						
Pump Head	Tubing	Filling Volume (mL)	Filling Time (s)	Accuracy (±%)	Output (pcs/min)	Motor Speed (rpm)
DY35	73#	300	3	0.5	15	245.1
	82#	500	3	0.5	15	269.2

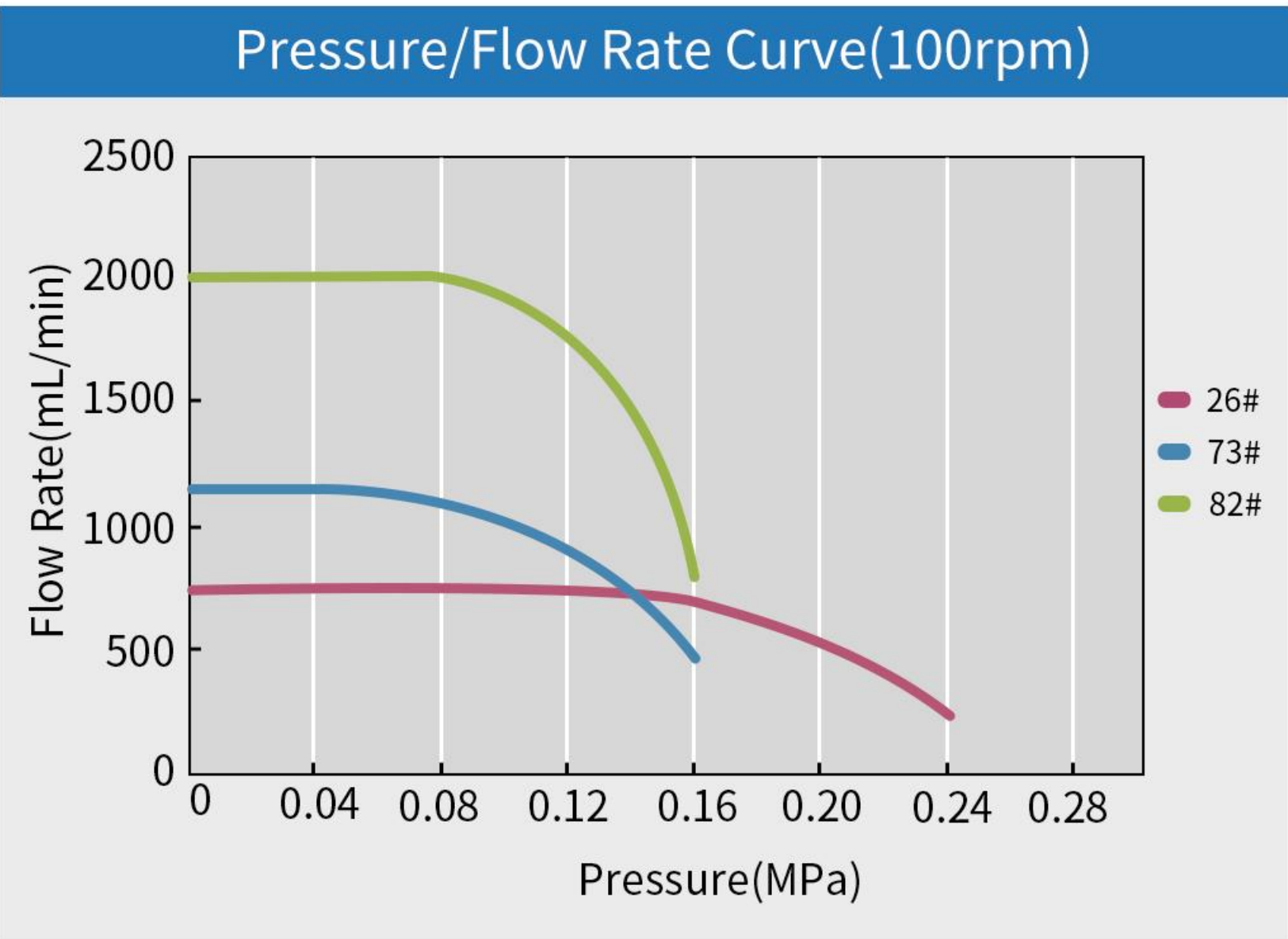
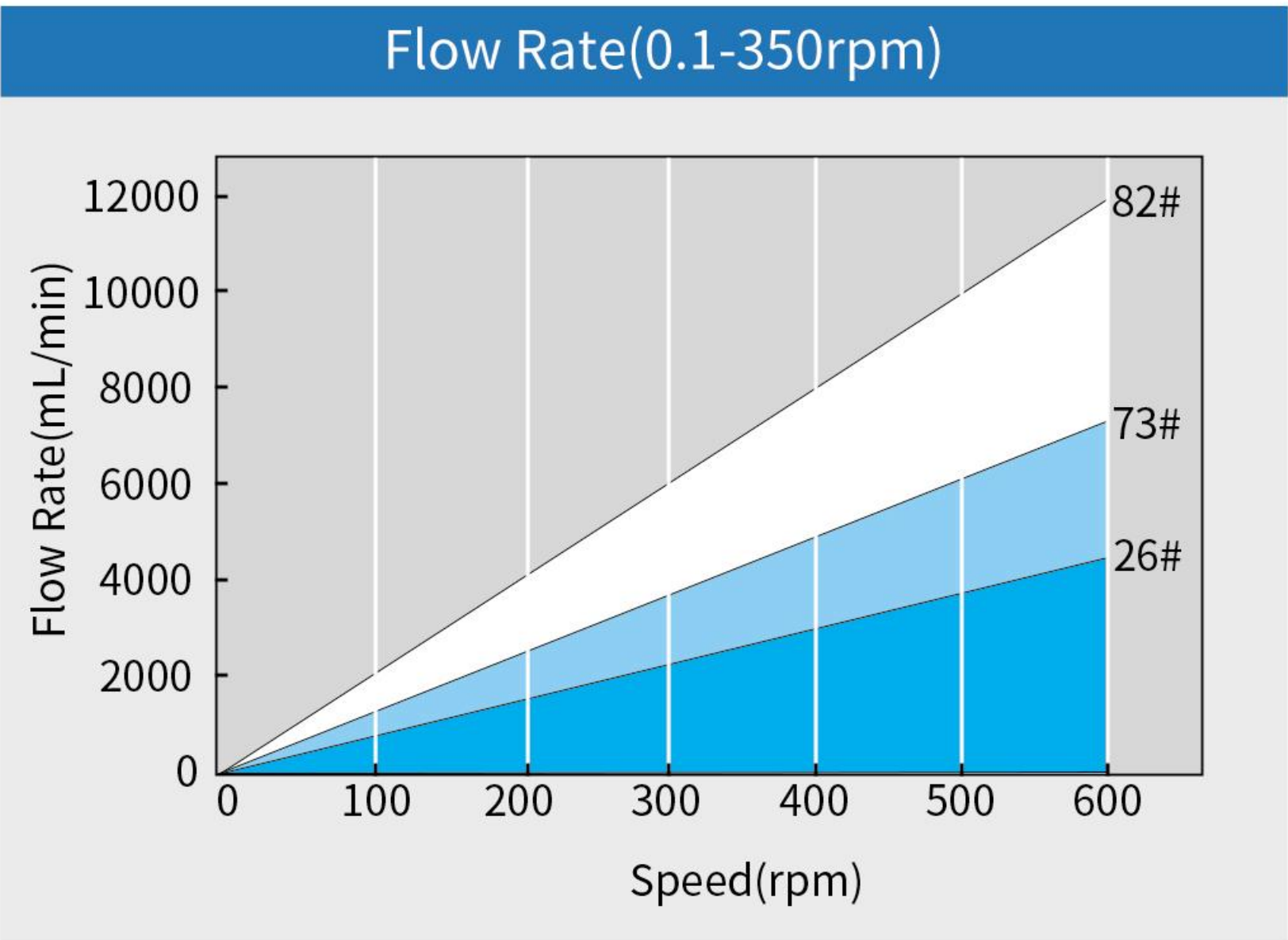
YZ35-II Series

Dimension Drawing (Unit:mm)



Pump Drive ● HP600

YZ35-II Pump Head Technical Specifications						
Pump Head	Housing Material	Speed (rpm)	mL/r	Tubing		Weight (kg)
				Sizes	IDxWall Thickness(mm)	
YZ35-II	Cast aluminum alloy	0.1-600	6.9	26#	6.4x3.3	0.69-4200
			12.3	73#	9.6x3.3	1.23-7400
			20	82#	12.7x3.3	2-12000

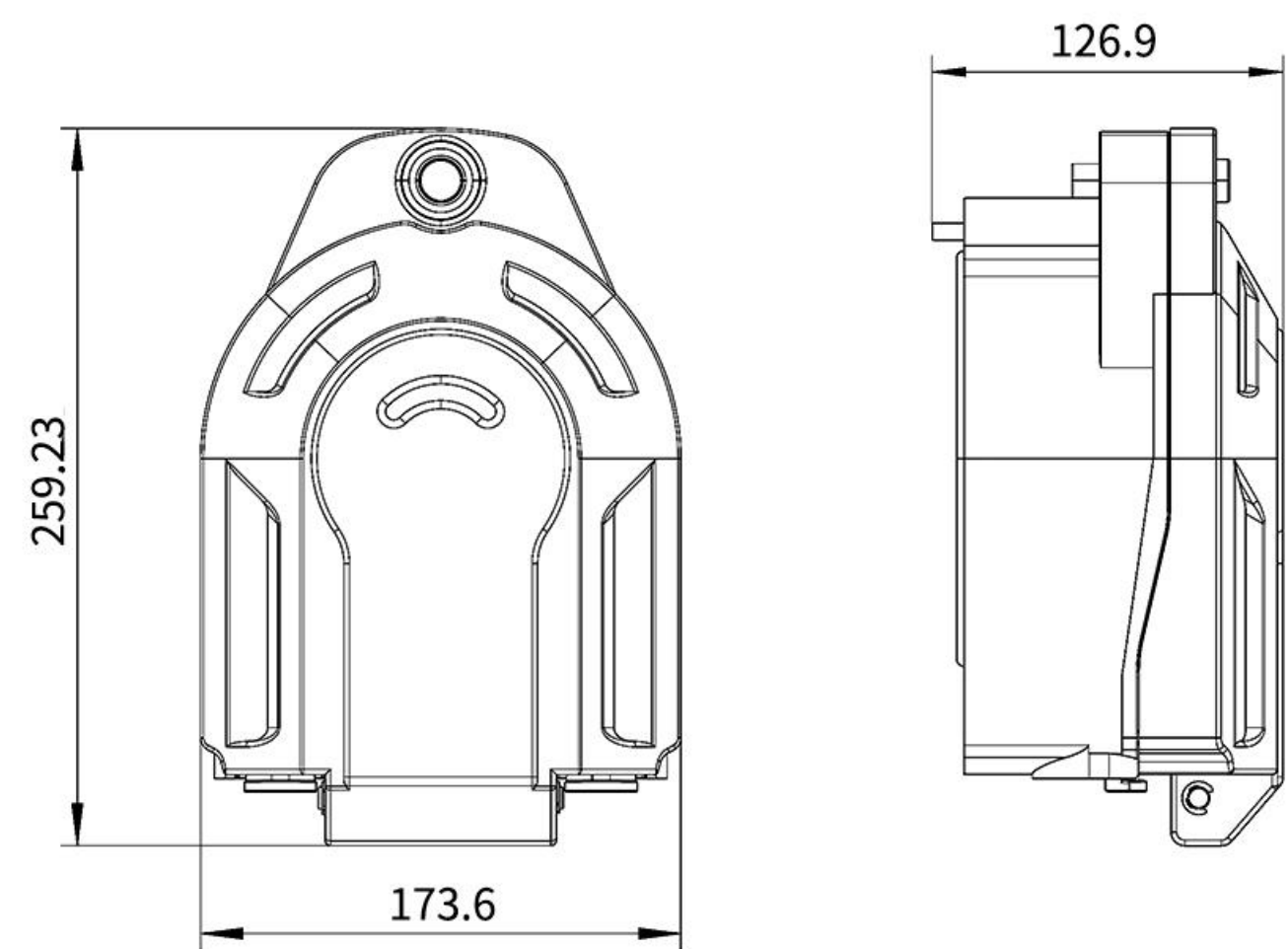


YZ35-II Pump Head Filling Volume Reference Parameter						
Pump Head	Tubing	Filling Volume (mL)	Filling Time (s)	Accuracy (±%)	Output (pcs/min)	Motor Speed (rpm)
YZ35-II	26#	50	1	0.5	30	428.6
	26#	100	2	0.5	20	428.6
	73#	100	1.2	0.5	27	406.5
	73#	150	2	0.5	20	365.9
	82#	200	1.5	0.5	24	400.0

UT35 Series

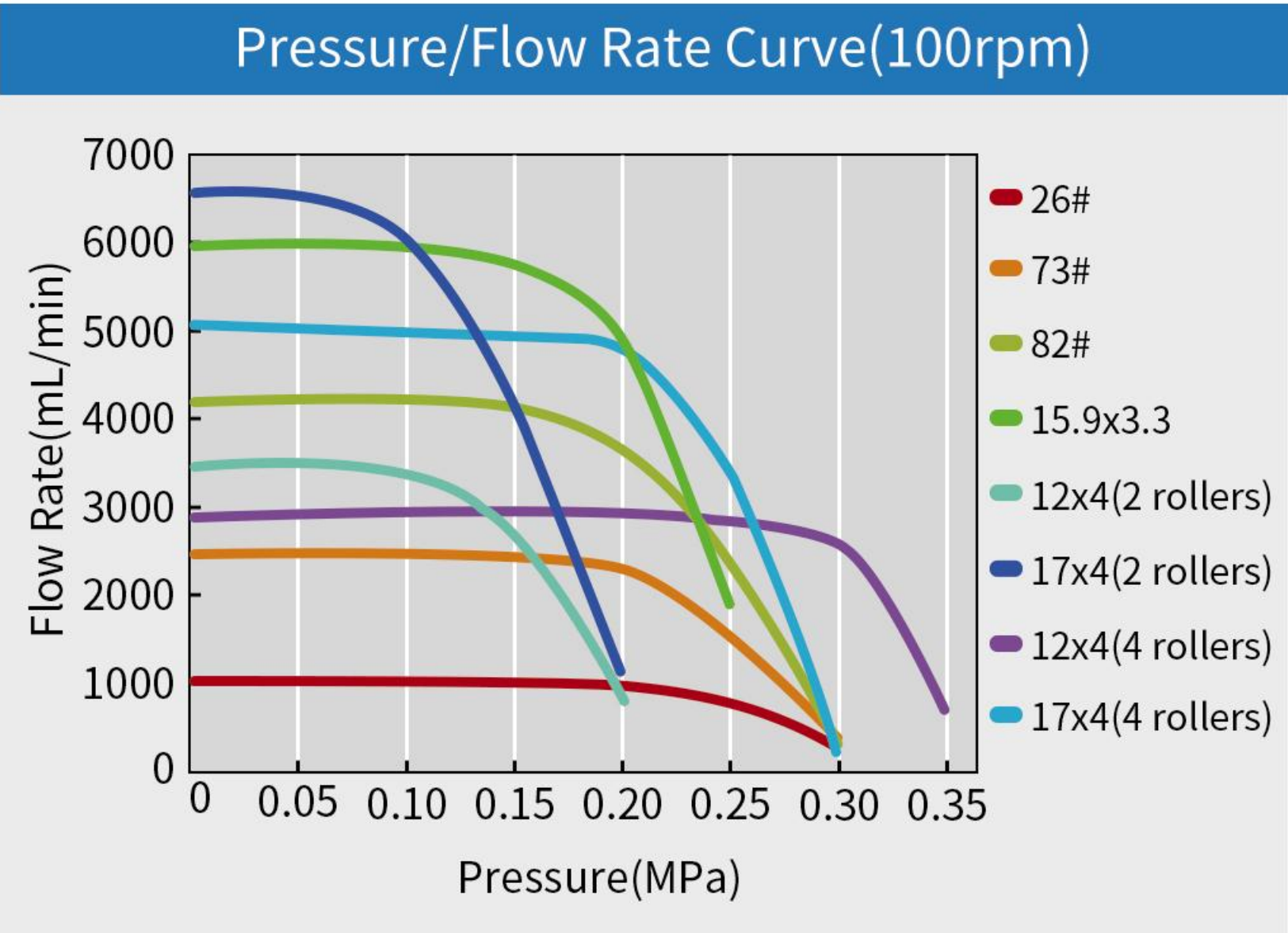
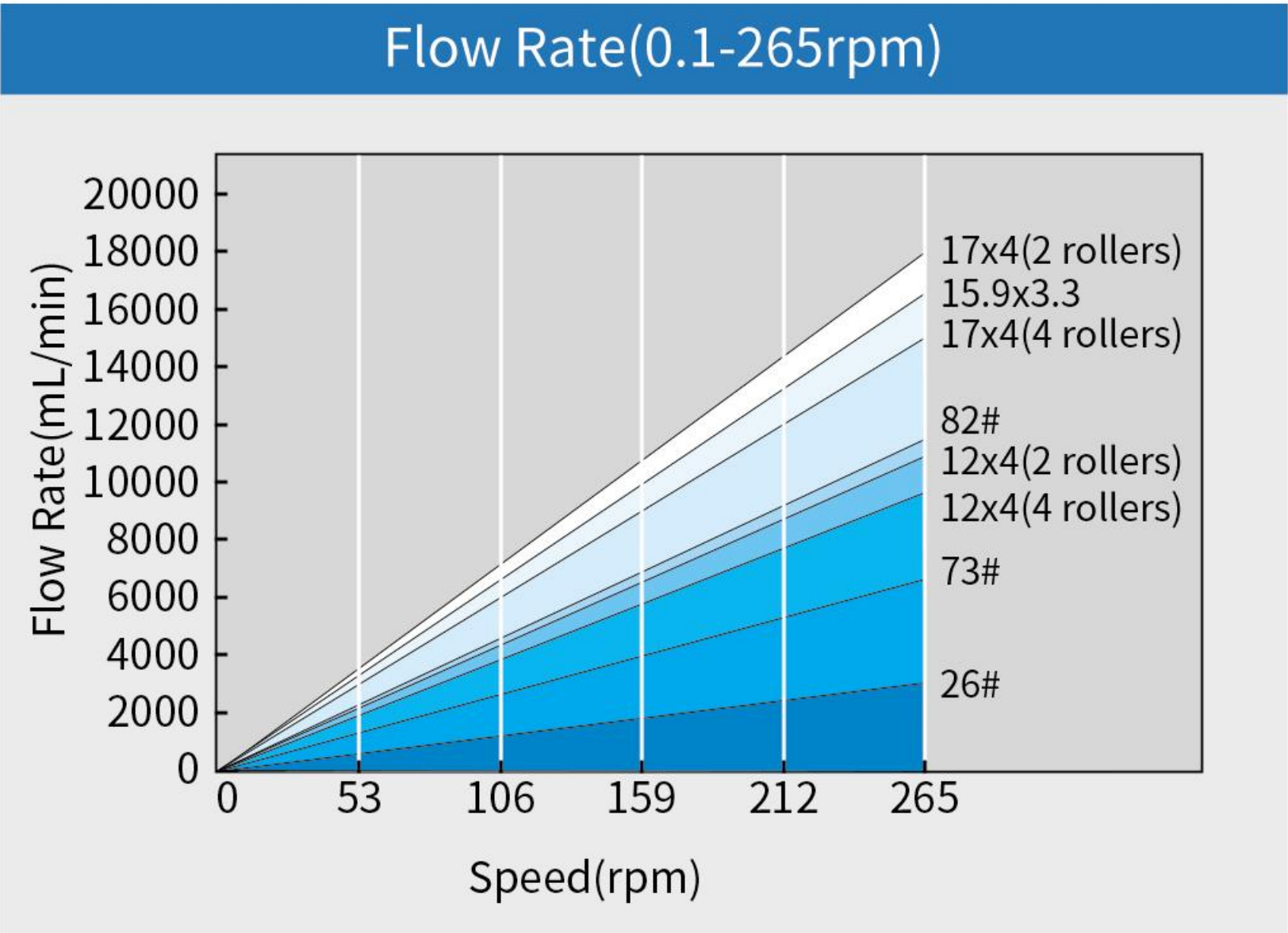


Dimension Drawing (Unit:mm)



Pump Drive ● HP265

UT35 Pump Head Technical Specifications									
Pump Head	Speed (rpm)	Rollers number	Tubing		mL/r	Flow Rate (mL/min)	Tubing Max.Pressure(Mpa)		Weight (kg)
			Sizes	IDxWall Thickness(mm)			Intermittent	Continuous	
UT35(4)	0.1-265	4 rollers	12x4	12x4	34.34	3.434-9100	0.12	0.1	4.65
			17x4	17x4	55.85	5.585-14800	0.11	0.1	
UT35(2)		2 rollers	26#	6.4x3.3	11.32	1.132-3000	0.15	0.12	3.99
			73#	9.6x3.3	24.15	2.415-6400	0.16	0.12	
			82#	12.7x3.3	42.26	4.226-11200	0.15	0.1	
			15.9x3.3	15.9x3.3	62.75	6.275-16630	0.15	0.12	
			12x4	12x4	41.5	4.150-11000	0.15	0.12	
			17x4	17x4	67.92	6.792-18000	0.13	0.12	

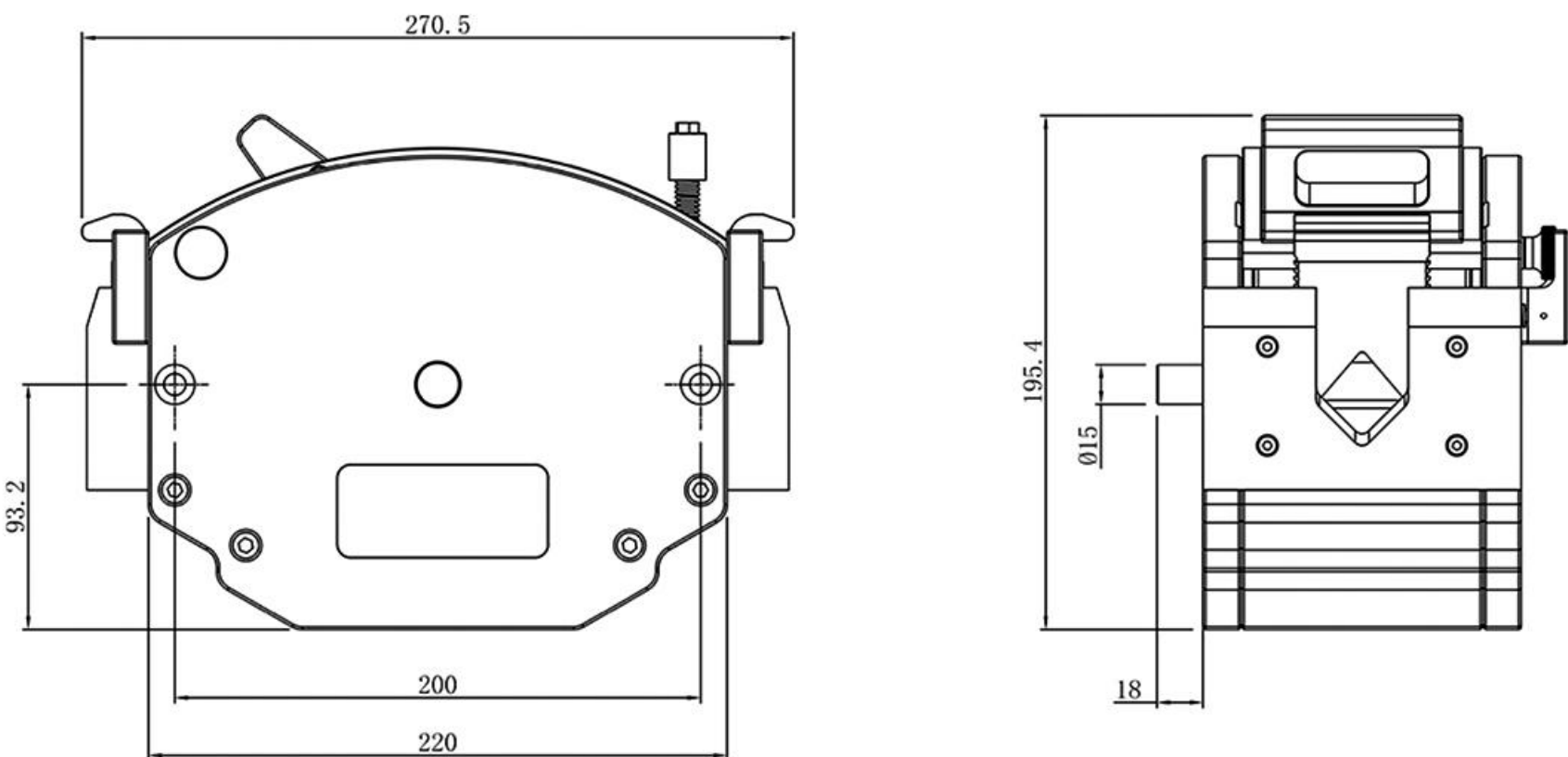


UT35 Pump Head Filling Volume Reference Parameter						
Pump Head	Tubing	Filling Volume(mL)	Filling Time(s)	Accuracy(±%)	Output(pcs/min)	Motor Speed(rpm)
UT35(2)	26#	150	4	1	15	197.5
	73#	300	4	0.5	15	180
	82#	500	4	0.5	15	176
	15.9x3.3	800	4	1	15	208
	12x4	500	4	0.5	15	199.5
	17x4	800	4	1	15	193.7
UT35(4)	12x4	200	2	0.5	30	203
	12x4	500	4	1	15	241.5
	17x4	800	4	1	15	220

DZ45 Series

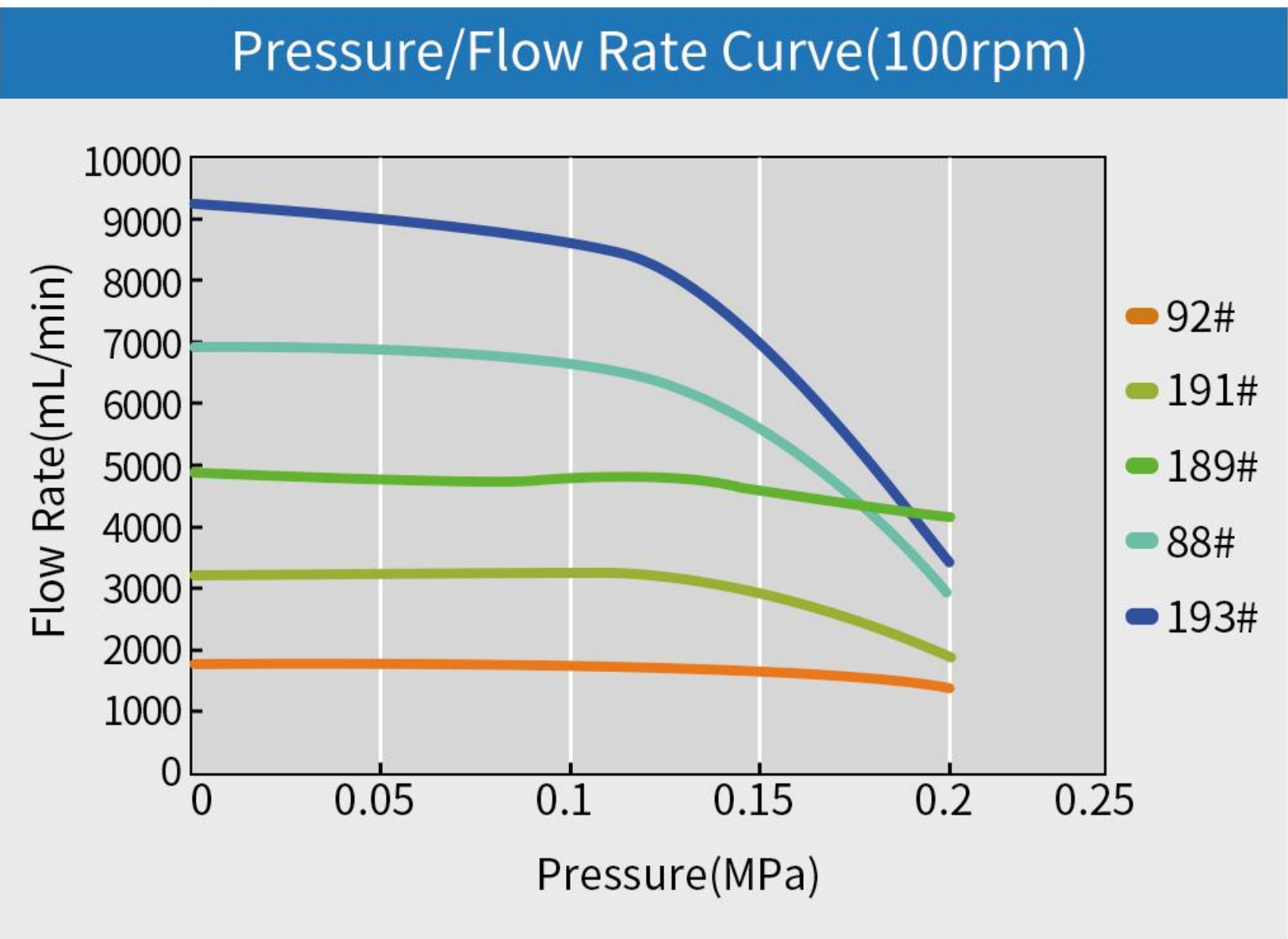
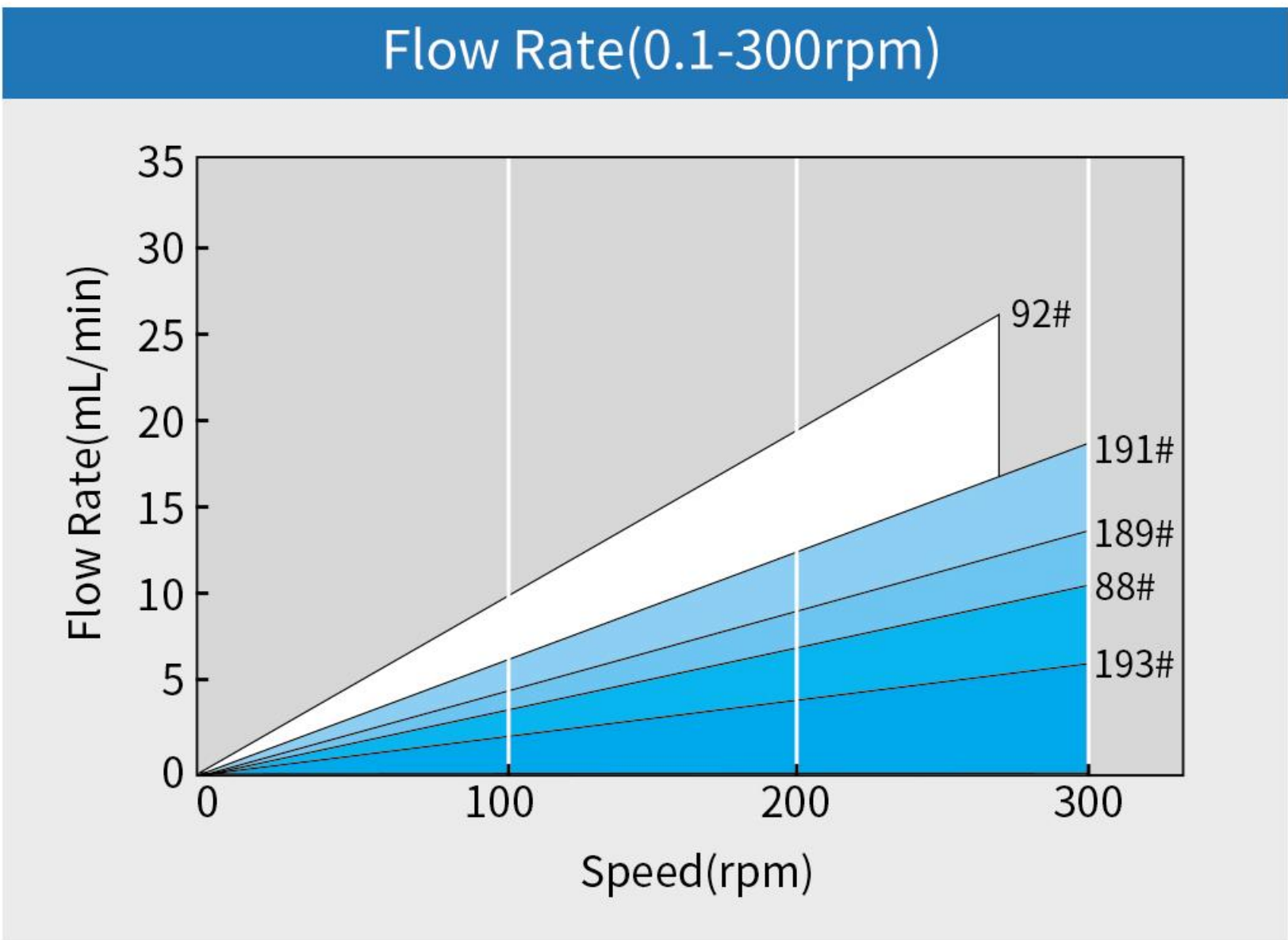


Dimension Drawing (Unit:mm)

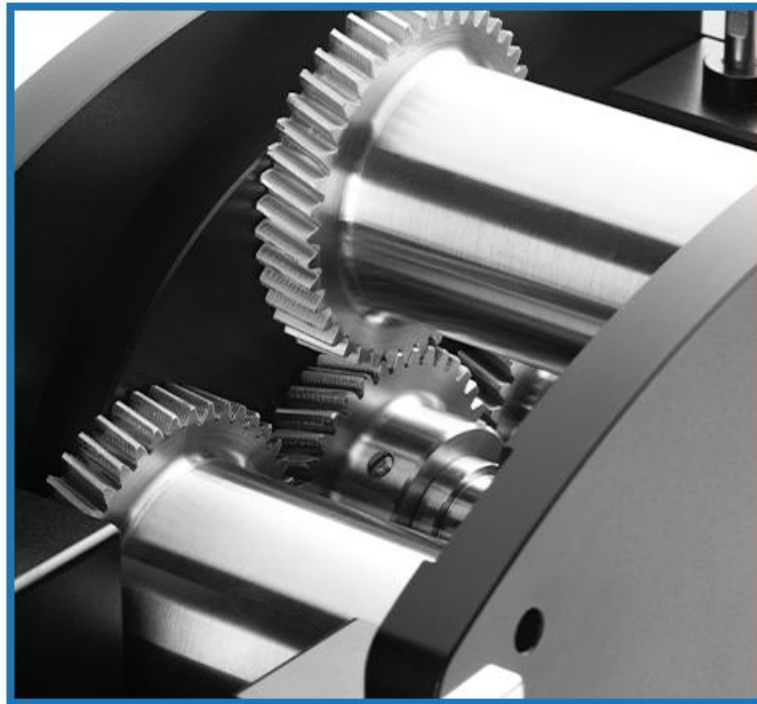


Pump Drive ● HP300

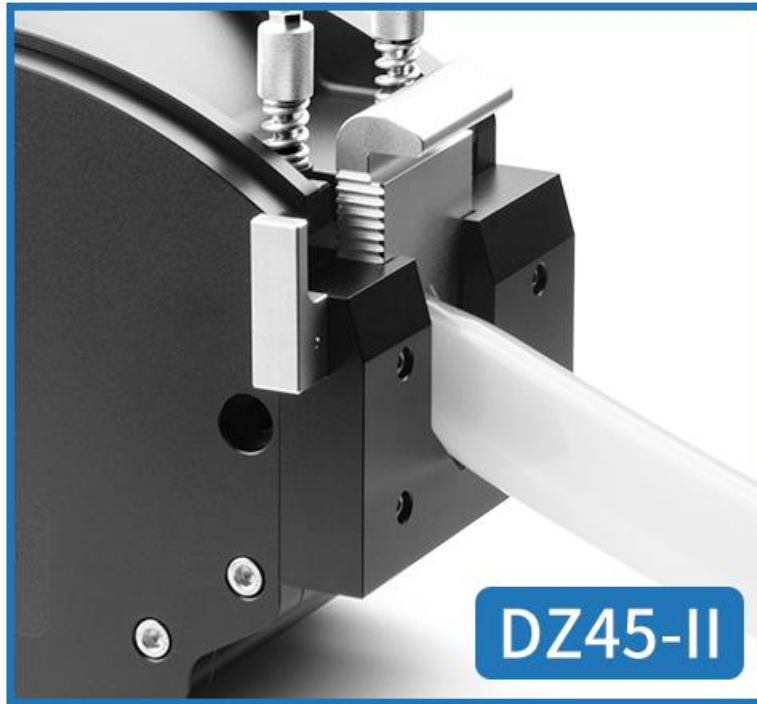
DZ45 Pump Head Technical Specifications								
Pump Head	Housing Material	Tube Clamp Material	Speed (rpm)	L/r	Tubing		Flow Rate (L/min)	Weight (kg)
					Sizes	IDxWall Thickness(mm)		
DZ45 Series	Aluminum alloy	Aluminum alloy	0.1-300	0.019	193#	9.6x4.8	0.0019-5.66	10
				0.035	88#	12.7x4.8	0.0035-10.5	
				0.047	189#	15.9x4.8	0.0047-13.98	
				0.063	191#	19.4x4.8	0.0063-18.78	
			0.1-270	0.104	92#	25.4x4.8	0.0104-28.15	



Roller display



Connection method



Certificates

No:BA0500484-2024

Shandong Institute for Product Quality Inspection

Test Report

Page 1 of 23

Sample	Industrial Peristaltic Pump	Test Kind	Entrust
Client	Innofluid Co., Ltd.	Model, Type	HPM series
Manufacturer	Baoding Shenchen Precision Pump Co., Ltd.	Grade	/
Address of Client	Building 10, No. 860, Xinyang Road, Lingang New Area, Pilot Free Trade Zone, Shanghai, China.	Registered Trademark	/
Sampling Location	/	Client Representative	Zhang Yu
Sample Batch	/	Receipt Date	2024-08-19
Sample Quantity	1 set	Producing Date	/
Sample Description	Apparently Sound, No damage.	Batch No.	/
Environmental for Test	Temperature: 24.5℃ ~ 27.6℃, Humidity: 52%RH ~ 99.90kPa, Atmospheric pressure: 99.10kPa ~ 101.00kPa	Test Date	2024-08-20 ~ 2024-08-21
Test Standard	IEC 61000-6-2:2016, IEC 61000-6-4:2018, IEC 61000-3-2:2020, IEC 61000-3-3:2017, GB/T 17799-2-2023, GB17799-4-2022, GB17625.1-2022, GB/T17625.2-2007		
Decision Standard	IEC 61000-6-2:2016, IEC 61000-6-4:2018, IEC 61000-3-2:2020, IEC 61000-3-3:2017, GB/T 17799-2-2023, GB17799-4-2022, GB17625.1-2022, GB/T17625.2-2007		
Test Item	Electrostatic discharge immunity test, Radiated, radio-frequency, electromagnetic field immunity test, Electrical fast transient/burst immunity test, Surge immunity test, Immunity test to conducted disturbances, induced by radio-frequency fields, Power-frequency magnetic field immunity test, Voltage dips and short interruptions immunity test, Conducted disturbance test, Radiated disturbance test, Harmonic current emission test, Voltage fluctuations and flicker test		
Test Conclusion	The sample is determined as qualified according to IEC 61000-6-2:2016, IEC 61000-6-4:2018, IEC 61000-3-2:2020, IEC 61000-3-3:2017, GB/T 17799-2-2023, GB17799-4-2022, GB17625.1-2022, GB/T17625.2-2007.		
Note	1. This report contains front cover and second cover (signal "7" indicates the item has no content). 2. Testing address: No.31000 Jingshi East Road, Jinan City, Shandong Province. 3. The data for this report are from BA0500483-2024.		

Approved by: 潘勇 Reviewer: 刘桂秋 Tested by: 胡德隆

Date: 2024-09-02 Date: 2024-09-02 Date: 2024-09-02

HPM Series EMC Test Report

No:BA0500112-2024

Shandong Institute for Product Quality Inspection

Test Report

Page 1 of 23

Sample	Industrial Peristaltic Pump	Test Kind	Entrust
Client	Innofluid Co., Ltd.	Model, Type	HP Series
Manufacturer	Baoding Shenchen Precision Pump Co., Ltd.	Grade	/
Address of Client	Building 10, No. 860, Xinyang Road, Lingang New Area, Pilot Free Trade Zone, Shanghai, China.	Registered Trademark	/
Sampling Location	/	Client Representative	Ren Aihua
Sample Batch	/	Receipt Date	2024-03-04
Sample Quantity	1 set	Producing Date	/
Sample Description	Apparently Sound, No damage.	Batch No.	/
Environmental for Test	Temperature: 18.1℃ ~ 19.2℃, Humidity: 33%RH ~ 50%RH, Atmospheric pressure: 100.10kPa ~ 101.00kPa	Test Date	2024-03-04 ~ 2024-03-06
Test Standard	IEC 61000-6-2:2016, IEC 61000-6-4:2018, IEC 61000-3-2:2020, IEC 61000-3-3:2017		
Decision Standard	IEC 61000-6-2:2016, IEC 61000-6-4:2018, IEC 61000-3-2:2020, IEC 61000-3-3:2017		
Test Item	Electrostatic discharge immunity test, Radiated, radio-frequency, electromagnetic field immunity test, Electrical fast transient/burst immunity test, Surge immunity test, Immunity test to conducted disturbances, induced by radio-frequency fields, Power-frequency magnetic field immunity test, Voltage dips and short interruptions immunity test, Conducted disturbance test, Radiated disturbance test, Harmonic current emission test, Voltage fluctuations and flicker test		
Test Conclusion	The sample is determined as qualified according to IEC 61000-6-2:2016, IEC 61000-6-4:2018, IEC 61000-3-2:2020, IEC 61000-3-3:2017.		
Note	1. This report contains front cover and second cover (signal "7" indicates the item has no content). 2. Testing address: No.31000 Jingshi East Road, Jinan City, Shandong Province. 3. The data for this report are from BA0500110-2024.		

Approved by: 潘勇 Reviewer: 刘桂秋 Tested by: 胡德隆

Date: 2024-03-19 Date: 2024-03-19 Date: 2024-03-19

HP Series EMC Test Report

No:BA0500470-2024

Shandong Institute for Product Quality Inspection

Test Report

Page 1 of 3

Sample	Industrial Peristaltic Pump	Test Kind	Entrust
Client	Innofluid Co., Ltd.	Model, Type	HPM Series
Manufacturer	Baoding Shenchen Precision Pump Co., Ltd.	Grade	/
Address of Client	Building 10, No. 860, Xinyang Road, Lingang New Area, Pilot Free Trade Zone, Shanghai, China.	Registered Trademark	/
Sampling Location	/	Client Representative	Ren Aihua
Sample Batch	/	Receipt Date	2024-08-13
Sample Quantity	1 Set	Producing Date	/
Sample Description	Intact appearance, No damage	Batch No.	/
Environmental for Test	Temperature: 24.2℃ ~ 25.3℃, Humidity: 48%RH ~ 53%RH, Atmospheric pressure: 99.80kPa ~ 100.10kPa	Test Date	2024-08-15
Test Standard	IEC 60529:2013		
Decision Standard	IEC 60529:2013		
Test Item	Degree of protection provided by enclosures (IP66)		
Test Conclusion	The test item of this sample is determined to be qualified according to IEC 60529:2013.		
Note	1. This report includes front cover and second cover (The signal "7" indicates the item has no content). 2. Testing address: No.31000 Jingshi East Road, Jinan City, Shandong Province.		

Approved by: 潘勇 Reviewer: 徐静 Tested by: 徐浩

Date: 2024-08-29 Date: 2024-08-29 Date: 2024-08-29

HPM Series IP66 test report

No:BA0500209-2024

Shandong Institute for Product Quality Inspection

Test Report

Page 1 of 3

Sample	Industrial Peristaltic Pump	Test Kind	Entrust
Client	Innofluid Co., Ltd.	Model, Type	HP Series
Manufacturer	Baoding Shenchen Precision Pump Co., Ltd.	Grade	/
Address of Client	Building 10, No. 860, Xinyang Road, Lingang New Area, Pilot Free Trade Zone, Shanghai, China.	Registered Trademark	/
Sampling Location	/	Client Representative	Ren Aihua
Sample Batch	/	Receipt Date	2024-04-10
Sample Quantity	1 Set	Producing Date	/
Sample Description	Intact appearance, No damage	Batch No.	/
Environmental for Test	Temperature: 22.6℃ ~ 23.4℃, Humidity: 49%RH ~ 51%RH, Atmospheric pressure: 100.80kPa ~ 101.10kPa	Test Date	2024-04-11 ~ 2024-04-12
Test Standard	IEC 60529:2013		
Decision Standard	IEC 60529:2013		
Test Item	Degree of protection provided by enclosures (IP66)		
Test Conclusion	The test item of this sample is determined to be qualified according to IEC 60529:2013.		
Note	1. This report includes front cover and second cover (The signal "7" indicates the item has no content). 2. Testing address: No.31000 Jingshi East Road, Jinan City, Shandong Province.		

Approved by: 潘勇 Reviewer: 刘桂秋 Tested by: 徐浩

Date: 2024-04-24 Date: 2024-04-24 Date: 2024-04-24

HP Series IP66 test report

Form QAT_10-M05, version 03, effective since June 19th, 2023

CERTIFICATE

No. 3N240426.BSPDC05

Test Report / Technical Construction File no. ASDFC24-0176/ASDFC24-0176E

Manufacturer: Baoding Shenchen Precision Pump Co., Ltd.
Certificate's Holder: Innofluid Co., Ltd.
Address of Client: Building 10, No. 860, Xinyang Road, Lingang New Area, Pilot Free Trade Zone, Shanghai, China.

Certification ECM Mark

Product: Peristaltic Pump
Model(s): (see the following annex)

Verification to: Standard: EN 61010-1:2010+A1:2019, EN 61000-3-3:2013+A2:2021, EN IEC 61000-3-2:2019+A1:2021
related to CE Directive(s): 2014/35/EU (Low Voltage) 2014/30/EU (Electromagnetic Compatibility)

Remark: The manufacturer has voluntarily decided to submit its documents concerning the above-mentioned product for verification. Ente Certificazione Macchine confirms that the documentation made available and immediately returned to it, as containing sensitive data, meets the essential requirements of the above-mentioned directive/standard. The verification activity carried out exclusively concerned the technical documentation and no verification was carried out on the product. This document cannot replace the EC Declaration of Conformity. This document was issued in accordance with regulation ROVD01 published on the website of www.enteccm.it and concerning voluntary certifications with a non-notified procedure.

Issuance date: 26 April 2024
Expiry date: 25 April 2029

For online check:

Approver: Ente Certificazione Macchine
Legal Representative: Luca Bordini

Via Ca' Bella, 243 - Loc. Castello di Senovalle - 40053 Valmaggia (BO) - ITALY
☎ +39 051 6705141 ☎ +39 051 6705156 ✉ info@enteccm.it 🌐 www.enteccm.it

CE

WSF 世标认证

CERTIFICATE OF REGISTRATION

Registration No.0382507859R1S
Unified Social Credit Code:91310000MA1HDE1M58

This is to certify that the Quality Management System of
Innofluid Co., Ltd.
Audit Address: Room 355, Building B, Hongqiao World Center, Alley 158B, Zhuangang Road, Xujing Town, Qingpu District, Shanghai Registered Address: Building 10, No. 860 Xinyang Highway, Lin-gang Special Area of China (Shanghai) Pilot Free Trade Zone, China
has been audited to conform to
GB/T 19001-2016/ISO 9001:2015
For the whole process of
R&D, sales and after-sales service of precision fluid equipment (peristaltic pumps and accessories)

Date of Initial Issuance: 2022-10-20
Date of Issuance: 2025-08-07 Date of Expiry: 2028-10-19

This certificate will not remain valid only if the certificated organization accepts at least one surveillance audit every year within the validity period of the certificate in which the surveillance audit conforming mark is in the designated position. Please inform WSP customer service by scanning QR code or visit www.wsf.cn and www.cnca.gov.cn for this certificate's validity data and related services.

World Standards For Certification Center Inc. Issued by:

WSF ISO9001 IAF CNAS

中国认可 国家认证 管理体系 MANAGEMENT SYSTEM CNAS 0338-M

ISO9001

No:BA0500072-2024

Shandong Institute for Product Quality Inspection

Test Report

Page 1 of 3

Sample	Industrial Peristaltic Pump	Test Kind	Entrust
Client	Innofluid Co., Ltd.	Model, Type	HP Series
Manufacturer	Baoding Shenchen Precision Pump Co., Ltd.	Grade	/
Address of Client	Building 10, No. 860, Xinyang Road, Lingang New Area, Pilot Free Trade Zone, Shanghai, China.	Registered Trademark	/
Sampling Location	/	Client Representative	Ren Aihua
Sample Batch	/	Receipt Date	2024-02-04
Sample Quantity	1 Set	Producing Date	/
Sample Description	Intact appearance, No damage	Batch No.	/
Environmental for Test	Temperature: 19.2℃ ~ 22.6℃, Humidity: 41%RH ~ 49%RH, Atmospheric pressure: 100.60kPa ~ 101.10kPa	Test Date	2024-02-20 ~ 2024-02-21
Test Standard	IEC 60529:2013		
Decision Standard	IEC 60529:2013		
Test Item	Degree of protection provided by enclosures (IP67)		
Test Conclusion	The test item of this sample is determined to be qualified according to IEC 60529:2013.		
Note	1. This report includes front cover and second cover (The signal "7" indicates the item has no content). 2. Testing address: No.31000 Jingshi East Road, Jinan City, Shandong Province.		

Approved by: 潘勇 Reviewer: 刘桂秋 Tested by: 徐浩

Date: 2024-03-01 Date: 2024-03-01 Date: 2024-03-01

HP Series IP67 test report

No:BA0500471-2024

Shandong Institute for Product Quality Inspection

Test Report

Page 1 of 3

Sample	Industrial Peristaltic Pump	Test Kind	Entrust
Client	Innofluid Co., Ltd.	Model, Type	HPM Series
Manufacturer	Baoding Shenchen Precision Pump Co., Ltd.	Grade	/
Address of Client	Building 10, No. 860, Xinyang Road, Lingang New Area, Pilot Free Trade Zone, Shanghai, China.	Registered Trademark	/
Sampling Location	/	Client Representative	Ren Aihua
Sample Batch	/	Receipt Date	2024-08-13
Sample Quantity	1 Set	Producing Date	/
Sample Description	Intact appearance, No damage	Batch No.	/
Environmental for Test	Temperature: 24.3℃ ~ 25.3℃, Humidity: 46%RH ~ 52%RH, Atmospheric pressure: 99.80kPa ~ 100.30kPa	Test Date	2024-08-14 ~ 2024-08-16
Test Standard	IEC 60529:2013		
Decision Standard	IEC 60529:2013		
Test Item	Degree of protection provided by enclosures (IP68)		
Test Conclusion	The test item of this sample is determined to be qualified according to IEC 60529:2013.		
Note	1. This report includes front cover and second cover (The signal "7" indicates the item has no content). 2. Testing address: No.31000 Jingshi East Road, Jinan City, Shandong Province.		

Approved by: 潘勇 Reviewer: 徐静 Tested by: 徐浩

Date: 2024-08-29 Date: 2024-08-29 Date: 2024-08-29

HP Series IP68 test report

Service Area



New energy



Biopharmaceutical



Research institutes



Environmental resources

Typical application

- | Pharmaceutical
- | Cell culture
- | Mining
- | Environmental monitoring
- | Printing
- | Chemical industry

.....



Peristaltic Pump Tubing

Silicone Tubing

| Platinum-cured silicone tubing: Soft, slightly transparent, smooth inner wall; low protein adhesion, low proteinpenetration, temperature range: -51~238°C.

Micro flow rate tubing										
Tubing Size	0.13x0.86	0.5x0.86	0.86x0.86	1.52x0.86	2.06x0.86	2.79x0.86	1x1	2x1	3x1	2.4x0.8
Tubing cross sections(1:1)										
Wall thickness (mm)	0.86						1.0			0.8
ID (mm)	0.13	0.5	0.86	1.52	2.06	2.79	1.0	2.0	3.0	2.4
Maximu pressure (Mpa)	Continuous						0.1			
	Intermittent						0.1			

Basic flow rate tubing											
Tubing Size	13#	14#	19#	16#	25#	17#	18#	15#	24#	35#	36#
Tubing cross sections(1:1)											
Wall thickness (mm)	1.6							2.4			
ID (mm)	0.8	1.6	2.4	3.2	4.8	6.4	7.9	4.8	6.4	7.9	9.6
Maximu pressure (Mpa)	Continuous				0.14	0.1	0.07	0.17		0.14	
	Intermittent				0.24	0.14	0.1	0.27		0.24	

Industrial tubing							
Tubing Size	26#	73#	82#	86#	90#	88#	92#
Tubing cross sections(1:1)							
Wall thickness (mm)	3.3			6.4		4.8	
ID (mm)	6.4	9.6	12.7	9.5	19	12.7	25.4
Maximu pressure (Mpa)	Continuous			0.25			
	Intermittent			0.3			

Peristaltic Pump Accessories

A Filling Nozzle

Name	Material	Picture
Reducer anti-splash filling nozzle	SS316	
Flat filling nozzle	SS304/316	

B One Way Checkvalve



Avoid liquid drop off after filling and transferring.

C Filling Countersunk



Used for the input of tube, preventing the tube floating or absorbing the wall of container.

Name	Material	Tube
Counter sunk	304/316 stainless steel	13", 14", 19", 16", 25", 17", 18", 15", 24", 35", 36", 26", 73", 82"

D Fluid Pulse Damper



Special design for peristaltic pump, effectively suppress the peristaltic pump pulsation and improve the flow rate accuracy. The pulsation suppression rate can reach more than 95%.

Handling Dispenser Patent No: ZL201830096683.4; ZL201820353029.1

E Handling Dispenser



Filling nozzle and tubing cap			
Filling nozzle size	13"	14"	19"
Inner diameter	3mm	3.5mm	4.5mm
Picture			
Filling nozzle size	16"	15"/25"	17"/24"
Inner diameter	5mm	7mm	9mm
Picture			
Tubing size	17"	18"	Plum blossom cap
Inner diameter	9.6mm	11.1mm	
Picture			

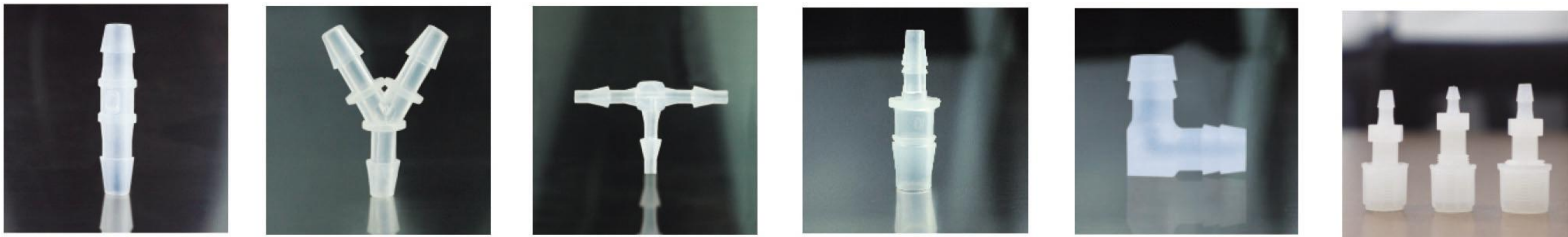
Based on ergonomics design, elegant appearance, grip feeling comfortable, easy operation. Connect to peristaltic pump external control interface, with start/stop and full speed control, can realize transferring and dispensing function. Power supply and working indicator, show the dispenser working status. With hanging hole, can be hang up when do not use.

F Foot Pedal Switch



Control the pump start/stop with foot pedal switch.

G Tube Connector



a Straight tube connector b "Y" tube connector c Tee tube connector d Reducer tube connector e "L" tube connector f Flexible/Hard tube connector

H PH Controller



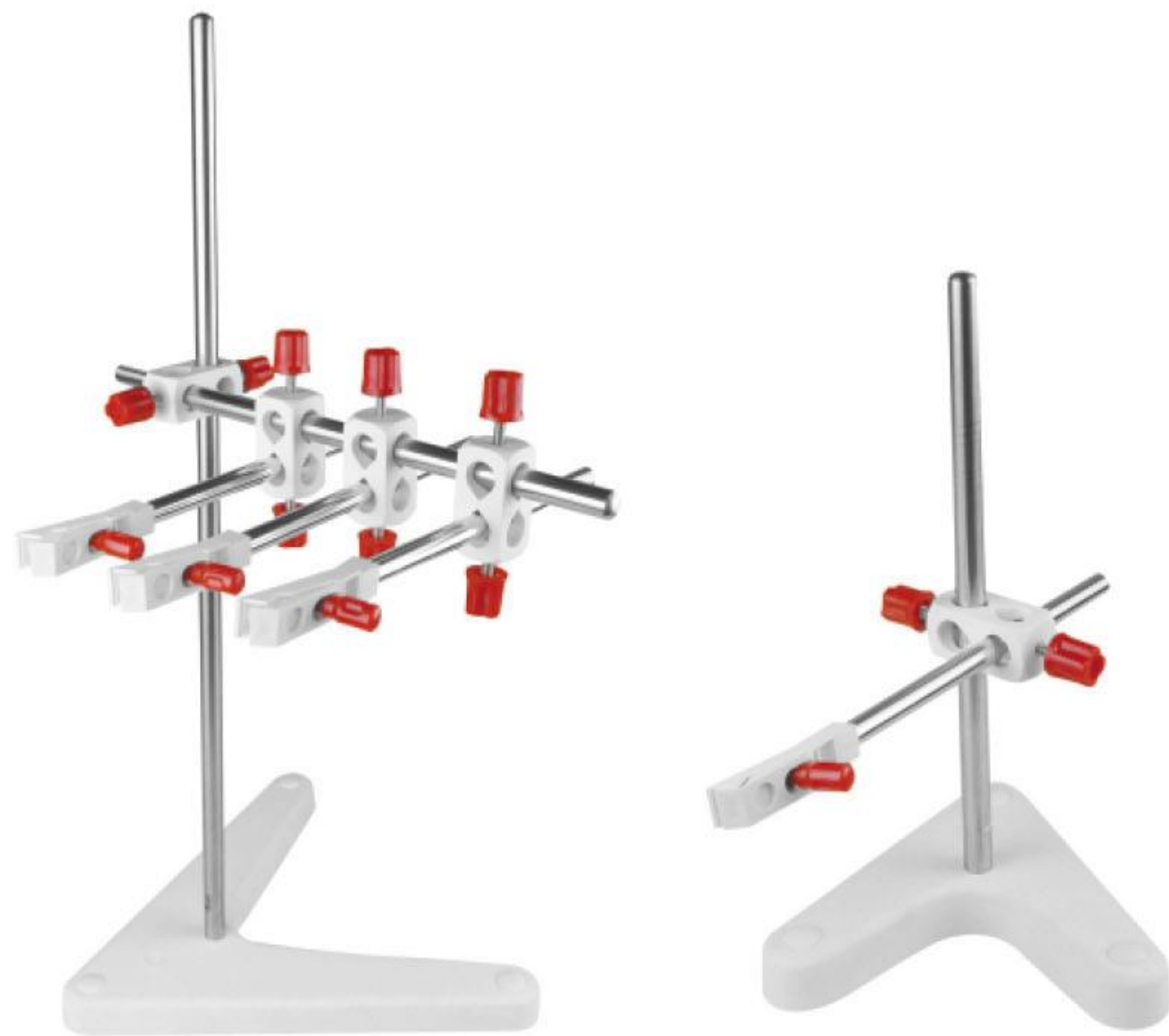
Work with peristaltic pump, can control the liquid PH value, add acid or alkali automatically.
Function:
1. Liquid: Acid-Base Solutions
2. PH value : 0-14PH
3. Set up target PH value
4. Add acid or alkali liquid automaticall
5. Control: RS485 , 4-20mA
6. Power supply: DC24V (AC220V for option)
7. Suitable temperature: 0-60℃

J Benchtop Tubing Cutter



Stainless steel blade, makes right-angle cuts in several sizes of plastic tubing.

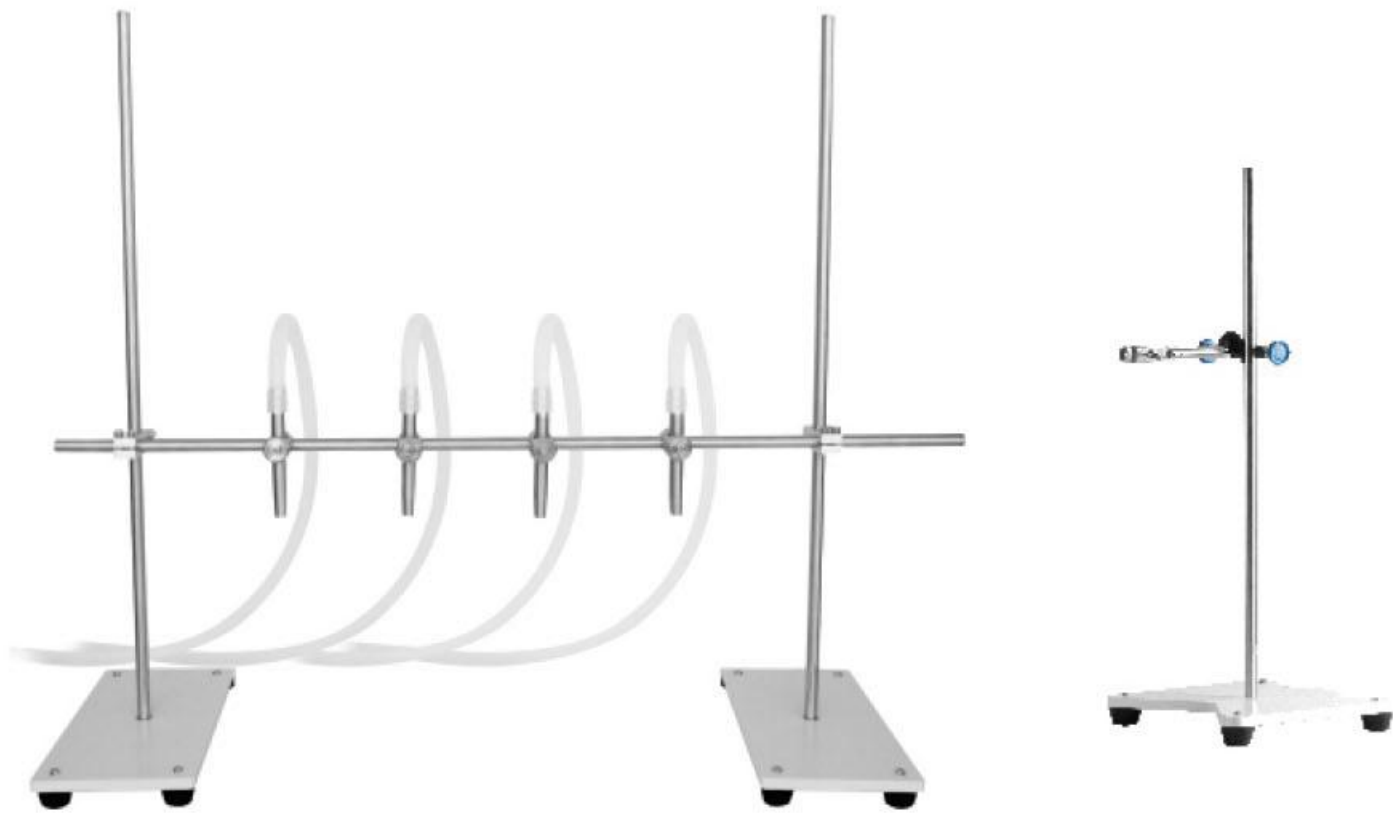
K Support Stand



I 5V Sensor



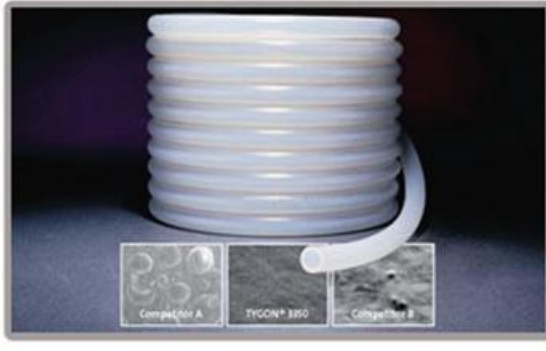
When applied in the dispensing line, it can detect weather there is filling bottle in the production line. When the bottle approach the sensor side, the switch action will be made without any mechanical contact or pressure, thereby providing filling control order to the pump. In the same way, when no filling bottle is detected, the stop filling control order is provided to the pump.



The multiple filling stand is suitable for more than 2 channels filling. It can hold 2-8 filling nozzles. We can customize the suitable one according to your request.

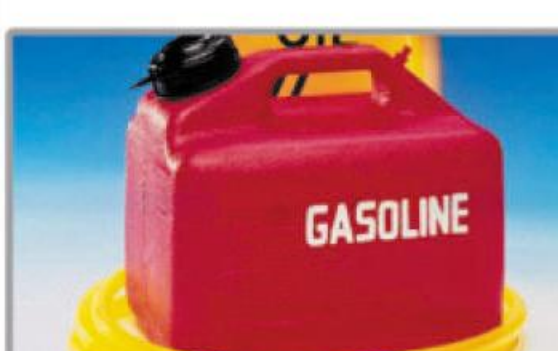
Peristaltic Pump Tubing

SAINT-GOBAIN Tubing:Tygon, PharMed BPT, Norprene etc

	A Tygon3350 	B Tygon E-3603 	C Norprene Chemical 	D PharMed 	E Norprene A-60-F 
Formulation	Tygon3350	Tygon R-3603	Norprene Chemical	PharMed	NorpreneA-60-F
Application	Pharmaceutical, cosmetic, medical and auto-analysis application.	General laboratory, food & beverage, biopharmaceutical, analytical instruments.	Excellent for chemical processing and general industrial applications. Food and beverage applications where extractables are a concern.	Cell and tissue culture work and pharmaceutical uses. Also good for light-sensitive samples.	Ideal for the food, dairy and beverage.
Advantages	Ultra-smooth; minimizes bacterial growth. Good for mild to medium concentration bases, salts and alcohols; odorless, tasteless, and nontoxic. Transparent.	Inexpensive tubing for general lab application. Nonaging, nonoxidizing. Clear for easy flow monitoring. Handles virtually all inorganic chemicals. Low gas permeability. Smooth bore; good for viscous fluids. High dielectric constant.	Norprene thermoplastic elastomer outer jacket with chemically inert Tygon® 2075 inner bore for excellent chemical resistance. Plasticizer-free to guard against extractables. Long flex life. Opaque beige.	Great for tissue and cell work-nontoxic and nonhemolytic; long service life minimizes risk of fluid exposure; reduces tubing costs and pump downtime. Opaque to UV and visible light to protect light-sensitive fluids. Heat sealable, bondable, and formable. Extremely low gas permeability.	Heat, ozone, and UV light resistant. Nonaging; nonoxidizing; superior acid and alkali resistance. Opaque beige.
Application Suitability	_____	ACIDS GOOD ALKALIES GOOD ORGANIC SOLVENTS NO PRESSURE GOOD VACUUM GOOD VISCOUS FLUIDS EXCELLENT STERILE FLUIDS GOOD	_____	ACIDS GOOD ALKALIES GOOD ORGANIC SOLVENTS NO PRESSURE GOOD VACUUM EXCELLENT VISCOUS FLUIDS GOOD STERILE FLUIDS EXCELLENT	_____
Physical characteristics	_____	Thermoplastic. PVC-based material with plasticizer. Firm (stiff) material. Transparent, clear.	_____	Thermoplastic elastomer. Polypropylene-based material with USP mineral oil. Excellent tensile strength. Firm (stiff) material. Opaque, beige.	_____
Temp. range	-75 to 450° F (-60~232° C)	-58 to 165° F (-50~74° C)	-76 to 165° F (-60~74° C)	-60 to 270° F (-59~135° C)	-60 to 275° F (-51~135° C)
Meets classifications	FDA 21 CFR 177.2600 USP Class VI EP 3.1.9. Exceeds 3A standards Manufactured according to GMP.	FDA 21 CFR 175.300	None.	None.	FDA 21 CFR 177.2600 NSF listed (Standard 51) Manufactured according to GMP.
Cleaning/ Sterilization	Ethylene oxide gamma irradiation, or autoclave for 30 min, 15psi (1 bar).	Unaffected by commercial sanitizers (with recommended procedures) Sterilize with ethylene oxide (ETO) or autoclave. To autoclave: Coil loosely in nonlinting cloth or paper, autoclave at 121°C (250°F). 1KG/cm³ (15psi) for 30 minutes (tubing will appear milky); air dry at max 66°C (150°F) for 2 to 2 ½ hours until clear.	Sterilize with ethylene-oxide(ETO), autoclave or gamma irradiation up to 2.5Mrad. Repeated autoclaving will not affect overall life.	Autoclave, ethylene oxide, or gamma irradiation.	Autoclave.

Peristaltic Pump Tubing

SAINT-GOBAIN Tubing:Tygon, PharMed BPT, Norprene etc

	G Norprene A-60-G 	H Tygon F-4040-A 	I Tygon LFL 	J TYGON 2475 	K Viton 
Formulation	NorpreneA-60-G	Tygon F-4040-A	Tygon LFL	TYGON 2475	Viton
Application	For applications requiring excellent chemical, heat, ozone, and ultra-violet (UV) light resistance.	Fuels and industrial lubricants-gasoline, kerosene, heating oils, cutting compounds, and glycol-based coolants. Resists most hydrocarbons.	General laboratory use, provides longer life with peristaltic tubing pumps.	Sensitive fluid transfer applications requiring high purity.	Acid and solvent transfer, high-temperature.
Advantages	Best choice for vacuum/pressure applications. Offers longest life with good flow consistency. Heat and ambient ozone resistant. Good resistance to acids/alkalies. Black color hides dirt and dust. Heat sealable, nonaging, and nonoxidizing. High dielectric constant.	Resists embrittlement and swelling, ozone-and UV-resistant, with low-extractability. Translucent yellow.	Longest life of all Tygon® peristaltic tubing (1000hrs). Nonaging, nonoxidizing. Clear for easy flow monitoring. Broad chemical resistance; low gas permeability. Smooth bore. Good for viscous fluids. High dielectric constant.	Plasticizer free, smooth inner surface (inhibits particulate buildup and bacterial growth), safely disposed of through incineration and nontoxic. Transparent.	The most chemical resistant tubing. Resistant to corrosives, solvents, and oils at elevated temperatures. Low gas permeability.
Application Suitability	ACIDS GOOD ALKALIES GOOD ORGANIC SOLVENTS NO PRESSURE EXCELLENT VACUUM EXCELLENT VISCOUS FLUIDS EXCELLENT STERILE FLUIDS NO	_____	ACIDS GOOD ALKALIES GOOD ORGANIC SOLVENTS NO PRESSURE GOOD VACUUM GOOD VISCOUS FLUIDS EXCELLENT STERILE FLUIDS POOR	_____	ACIDS EXCELLENT ALKALIES EXCELLENT ORGANIC SOLVENTS EXCELLENT PRESSURE GOOD VACUUM GOOD VISCOUS FLUIDS GOOD STERILE FLUIDS FAIR
Physical characteristics	Thermoplastic elastomer. Polypropylene-based material with USP mineral oil. Excellent tensile strength. Firm (stiff) material. Opaque, black. Manufactured according to GMP.	_____	Thermoplastic. PVC-based material with plasticizer. Firm (stiff) material. Transparent, clear.	_____	Thermal set rubber. Viton B (67% fluorine) Firm (stiff) material. Opaque, black. Manufactured according to GMP.
Temp. range	-60 to 270° F (-59~135° C)	-35 to 165° F (-37~74° C)	-58 to 165° F (-50~74° C)	-94 to 125° F (-70~52° C)	-25 to 400° F (-32~205° C)
Meets classifications	None.	Meets NSF-51 and 3A sanitary standards.	USP Class VI, FDA 21 CFR 175.300	FDA 21 CFR 177.1520, USP 23 Class VI, Manufactured according to GMP.	None.
Cleaning/ Sterilization	Sterilize by autoclave only.	Not recommended.	Sterilize by ETO/autoclave. Coil loosely in nonlinting cloth or paper; autoclave at 250°F(121°C), 15 psi (1kg/cm²), 30 minutes (tubing will appear milky); air dry at max 150°F (66°C) for 2 to 2 ½ hrs until clear.	Ethylene oxide or gamma irradiation.	Sterilization is not recommended.