

# IPS-P20 PERISTALTIC PUMP

**IPS P20**  
peristaltic pump

Take your fluid transfer operations to the next level with the Inovenso Peristaltic Pump—a high-performance, microprocessor-controlled solution designed for **laboratories, industrial applications, and scientific environments demanding accuracy and reliability.**

## High-Precision Speed & Flow Control

Gain unmatched control over your processes:

- Speed Range: **0.1–600 RPM**
- Speed Resolution: **0.1 RPM**
- Flow Rate: Up to **2280 ml/min**
- Flow Calibration Mode for precise dispensing
- Cumulative Volume Display for accurate monitoring



## Robust, Chemical-Resistant Design

Built to withstand tough environments:

- **Pump Head Housing:** PPS (Polyphenylene Sulfide)
- Resistant to heat, solvents, corrosion, and flame
- Offers high mechanical strength and insulation
- **Rollers:** Made from durable 304 **stainless steel**

## Advanced Automation Features

Maximize efficiency with smart technology:

- 4.3" Color Touchscreen Interface
- Microprocessor Controller for automated operation
- Reversible Flow Direction for fast cleaning
- **Recipe Save & Recall** for repeatable processes
- Learn & Repeat Mode for batch tasks
- Fast-Run Mode to rinse and fill tubing quickly

## Wide Tubing Compatibility & Easy Installation

Compatible with various tubing sizes to match your application:



Tubing Size	Flow Range (ml/min)	ID (mm)	Max Flow (ml/min)
13#	0.006 – 38	0.8	42
14#	0.025 – 150	1.6	162
19#	0.042 – 250	2.4	306
16#	0.077 – 460	3.1	492
25#	0.16 – 960	4.8	1020
17#	0.26 – 1600	6.4	1740
18#	0.36 – 2280	7.9	2280

- **Quick & Easy Tube Installation**
- **Multiple Flow Configurations from micro to high-volume**

## Engineered for Real-World Conditions

Made for everyday use in professional environments:

- **Operating Temperature:** 0–40°C
- **Humidity Tolerance:** <80% RH
- **Power Supply:**
  - AC 220V ±10%, 50/60Hz
  - AC 110V ±10%, 50/60Hz
- **Compact, Lightweight Design:** 4,5 kg in weight
- **Dimensions (L x W x H):** 403 x 238 x 270 (mm)












## Applications

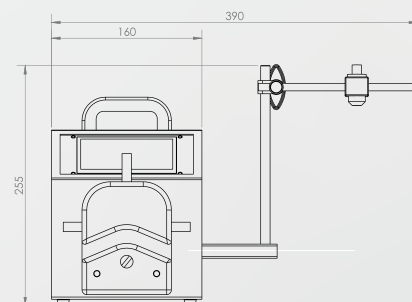
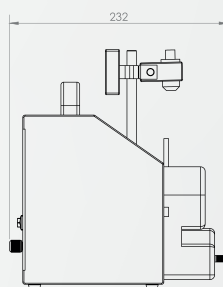
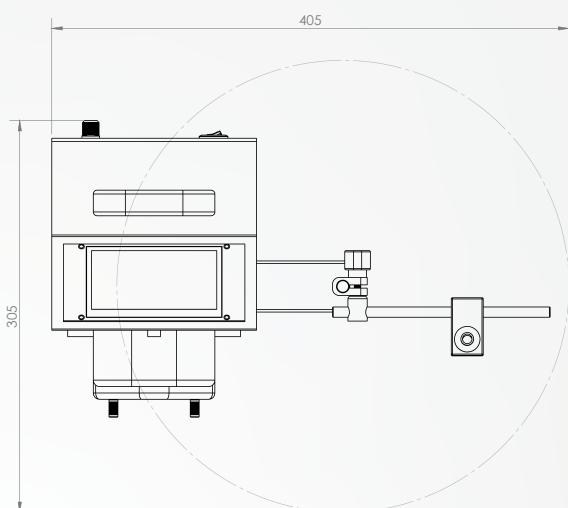
Perfect for a wide range of uses:

- Laboratory Fluid Handling
- Pharmaceutical Dosing
- Biotech & Research
- Industrial Fluid Transfer
- Food, Cosmetic, and Chemical Processing

Tubing Size	Flow rate* (ml/min) at 0.1 rpm	Flow rate* (ml/min) at 1 rpm	Flow rate* (ml/min) at 100 rpm	Flow rate* (ml/min) at 300 rpm	Flow rate* (ml/min) at 600 rpm
13#	0.006	0.063	6.3	19	38
14#	0.025	0.25	25	75	150
19#	0.042	0.416	41.66	125	250
16#	0.077	0.77	77.7	230	460
25#	0.16	1.6	160	480	960
17#	0.26	2.6	266.7	800	1600
18#	0.36	3.6	366.7	1100	2200

Tube	ID (mm)	Wall Thickness (mm)	Max Speed (rpm)	Max Flow (m/min)
13#	0.8	1.6	0.1-600	0.007-42
14#	1.6	1.6	0.1-600	0.027-162
19#	2.4	1.6	0.1-600	0.051-306
16#	3.1	1.6	0.1-600	0.082-492
25#	4.8	1.6	0.1-600	0.17-1020
17#	6.4	1.6	0.1-600	0.29-1740
18#	7.9	1.6	0.1-600	0.38-2280

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			
Inside Diameter (mm)		0.8	1.6	2.4	3.1	4.8	6.4	7.9	4.8	6.4	7.9	9.6
Maximum Pressure (Mpa)	Continuous	0.17				0.14	0.1	0.07	0.17		0.14	
	Intermittent	0.27				0.24	0.14	0.1	0.27		0.24	



## CONTACT US

sales@inovenso.com  
www.microsyringepump.com

At Inovenso, we build strong customer relationships through active listening and tailored solutions. We are committed to delivering innovative, high-quality technologies that meet real needs. Our experienced team drives progress with dedication, and quality remains at the core of everything we do.