

BioUno Pro PRB7-D FLP (ATEX) drive with Pump Head and rotor suitable for 1.6 mm, wall thickness tubing

With *Communication Interface –

a) Serial (RS232), b) Analog i2V (4-20mA)

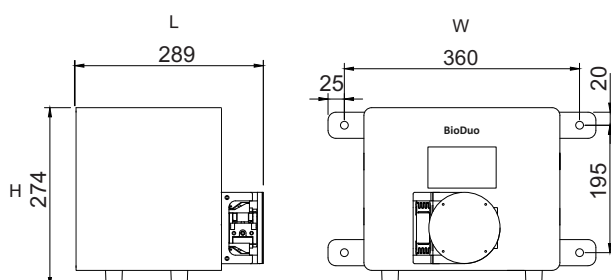
- Pump Body made of Cast Aluminum Alloy LM-6 with SS 316L cladding
- Pump Head is made of ABS material
- Motors: BLDC Stepper Motor
- Power Supply AC input- 230V, 50Hz, 6A



COMPATIBLE PUMP HEADS

				
	SDM		SD	
CATALOGUE No.	RBPH001		RBPH002	
PUMP HEAD MOC	ABS		ABS	
ROTOR ASSEMBLY MOC	SS & Pinch Rollers of Delrin		ABS, SS & Pinch Rollers of Delrin	
NUMBER OF ROLLERS	3		2	
DIMENSION in mm (L x W x H)	86 x 125 x 59		109 x 133 x 60	
	Min	Max	Min	Max
RPM	0.1	200	0.1	200
FLOW RANGE (mL/min)	0.003	105	0.1	2000
TUBE ID (mm)	0.8, 1.6, 2.4, 3.2		3.2, 4.8, 6.4, 7.9, 9.5	
TUBE NUMBER (P/S)	13#, 14#, 19#, 16#		16#, 25#, 17#, 18#	
TUBE WALL THICKNESS (mm)	1.6			
	FLOW RATE RANGE (mL/mm) (Tube ID Wise)			
	Min	Max	Min	Max
13# (ID: 0.8 mm)	0.003	6.8	-	-
14# (ID: 1.6 mm)	0.01	27	-	-
19# (ID: 2.4 mm)	0.04	65	-	-
16# (ID: 3.2 mm)	0.05	105	0.1	300
25# (ID: 4.8 mm)	-	-	0.2	560
17# (ID: 6.4 mm)	-	-	0.5	1075
18# (ID: 7.9 mm)	-	-	0.7	1500
- (ID: 9.5 mm)	-	-	1	2000
COMPATIBLE TUBINGS	Silicone, TPE (Thermoplastic Elastomer)			

DIMENSIONS :



WEIGHT : Approx. 18 kg

FEATURES

- Body made up of cast Aluminum alloy with SS 316L cladding
 - Flameproof – Weatherproof Control Panel with Cable Glands. Type: SE/102 UNIT 1,2,3,4,5 <Ex> I 2 G Ex db IIC T6 Gb IP66 (-20° C ≤ Tamb ≤ + 40° C)
 - The 4.3" capacitive IPS Touch Screen makes navigating the functions and configuration of pump settings effortless
 - The pump also indicates errors on-screen display
 - Screen Lock feature avoids accidental control changes enhancing security of operations
 - Equipped with non-volatile memory, the **auto-resume** function automatically restores precise fluid delivery from the exact point of interruption after a power failure, eliminating manual intervention and ensuring process continuity.
 - Unit setting: a) Volume: µL, mL, ltr. b) Weight: mg, g, kg
- Calibration: a) Dose & b) Flow
 - Dosing / Filling volume input, Flow volume input & RPM input are available on the main screen.
 - Batch size can be programmed maximum up to 9999 with time interval in (mm:ss) (minutes:seconds).
 - Recipe storage up to maximum 100.
 - Inbuilt Timer.
 - Date & Time setting.
 - Contamination free/aseptic liquid transfer.
 - Significant space advantage which is crucial in every industry.

OPTIONAL:

GMP Compliant Software with;

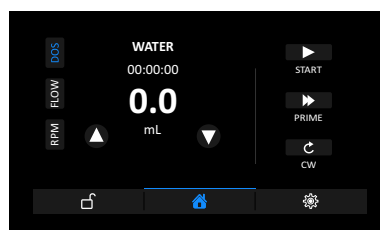
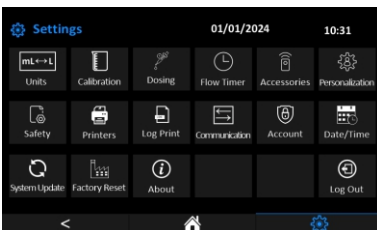
- 3 Level Security: 1) Admin 2) Supervisor 3) Operator.
- Accounts: a) User Name b) Role c) Printable Logs (In total 30 Users can be mapped).
- 2" Bluetooth Thermal Printer with custom software integration.

STANDARD ACCESSORIES:

- a) Operating Manual

VALIDATION DOCUMENT:

- IQ/OQ Documents



SUITABLE TUBE SIZES:

- Silicone Tube - ID: 0.8 mm X OD: 4 mm - (13#)
- Silicone Tube - ID: 1.6 mm X OD: 4.8 mm - (14#)
- Silicone Tube - ID: 2.4 mm X OD: 5.6 mm - (19#)
- Silicone Tube - ID: 3.2 mm X OD: 6.4 mm - (16#)
- Silicone Tube - ID: 4.8 mm X OD: 8 mm - (25#)
- Silicone Tube - ID: 6.4 mm X OD: 9.6 mm - (17#)
- Silicone Tube - ID: 7.9 mm X OD: 11.1 mm - (18#)
- Silicone Tube - ID: 9.5 mm X OD: 12.7 mm

RESOLVE BIOTECH PRIVATE LIMITED

Office No. G-502, Lotus Corporate Park, Off Western Express Highway, Goregaon (E), Mumbai - 400 063

+91.90040.87254 | +91.22.6689.2400 | sales@resolvebiotech.com

www.resolvebiotech.com | www.bioduo.in



Made in India