



WF350-PF246
Product Specifications

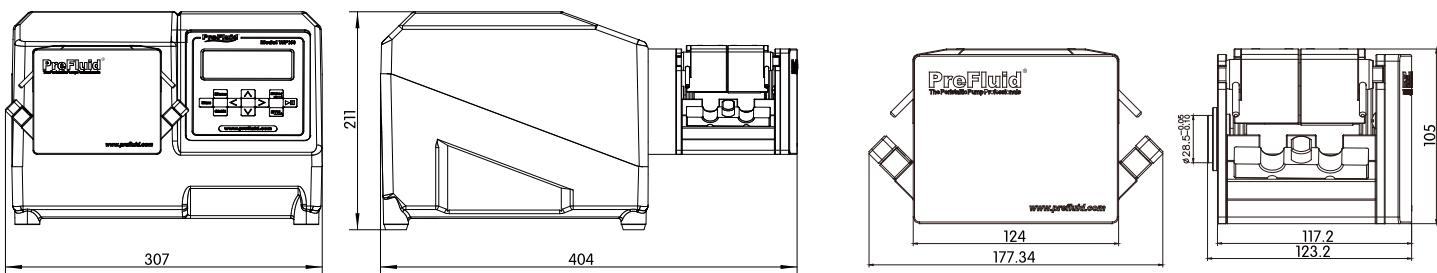
Changzhou Prefluid Technology Co.,Ltd.

Overview

Model	WF350-PF246
Drive	WF350
Pump head	PF246
Tubing	0.8x2.4 1.6x2.4 2.4x2.4 3.1x2.4 15# 24# 35# 36#
Product code	E73500-P240
Dosing accuracy	$\leq \pm 0.5\%$



Dimension

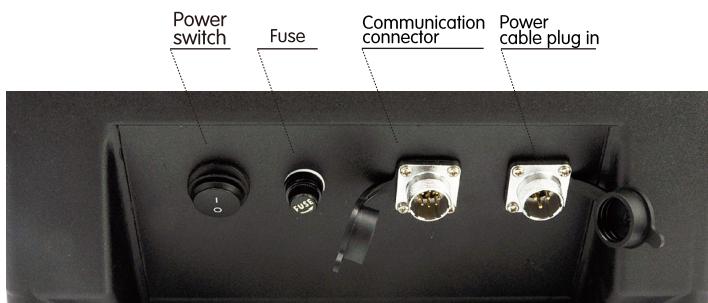


Pump Head

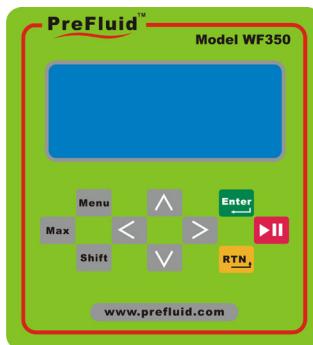
Specifications

Model	WF350-PF246
Speed	0.1~350rpm
Speed accuracy rate	0.1rpm
Recommended dosing volume	2ml、10ml、30ml、60ml、250ml
Speed control	Buttons on console panel
Drive mode	Brushless DC servo drive
Display	LCD screen shows the working modes and parameters
Remote control	Start/stop, direction, speed control.(4~20mA control)
Communication protocol	RS-485, ModBus RTU
Power supply	AC220V/110V ($\pm 10\%$) 50/60Hz
Power consumption	$\leq 115W$
Working environment	Temperature 0~40°C, humidity<80%
IP	IP54
House	Die-casting/Stainless steel
Dimension	404mm x 307mm x 211mm
Weight	14.2kg

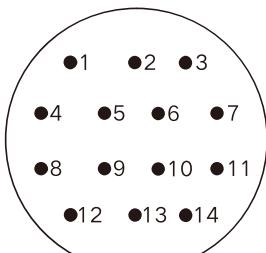
Rear Panel



Console Panel



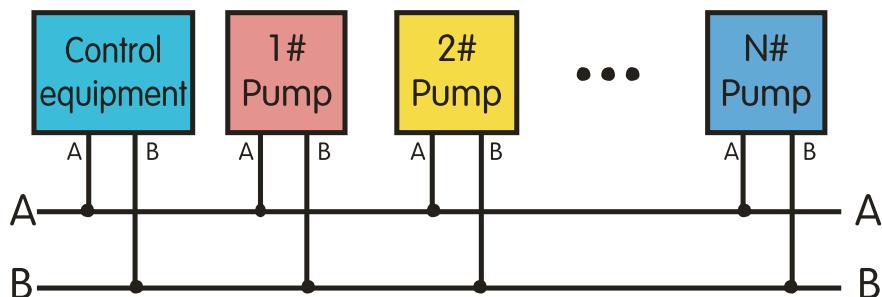
External Control Connector



Aviation Plug Socket

External Connector	
PIN	Function
1	+5V, for external control device. Current < 100mA.
2	GND, earth wire.
3	F/R, rotation direction control.
4	+12V, for external control device. Current < 100mA.
5	Iin, current (4~20mA)
6	A, RS485 port A
7	B, RS485 port B
8	Electricity level control signal input
9	Pulse control signal input
10	REM, Analog quantity enabling port/ Bottle signal access port
11	S/S, Trigger and switch control signal access port
12	COM, Relay output public end
13	NO, Relay output normally open end
14	Vin, Voltage input(0~10V),control speed

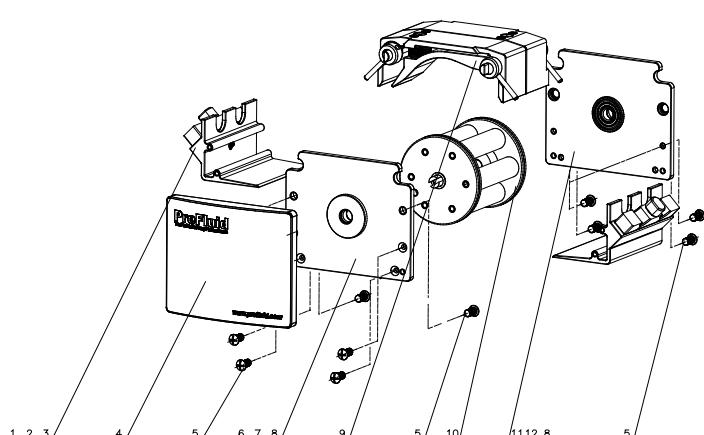
Connection Between Multiple Pumps



The figure above shows, Use pin 6(A port) and 7(B port) to connect to the external control device

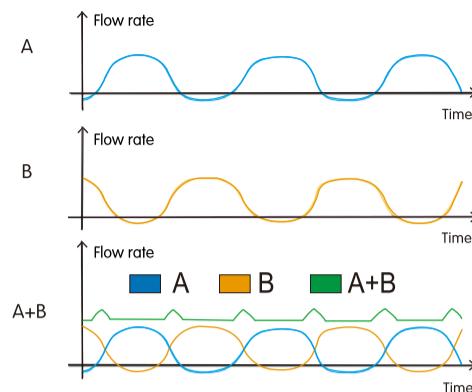
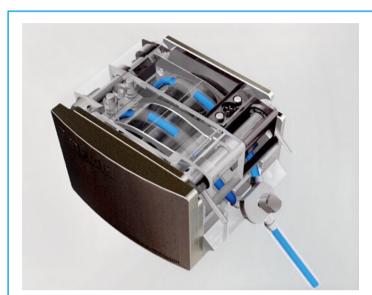
(1≤N≤99)

PF246 Structure

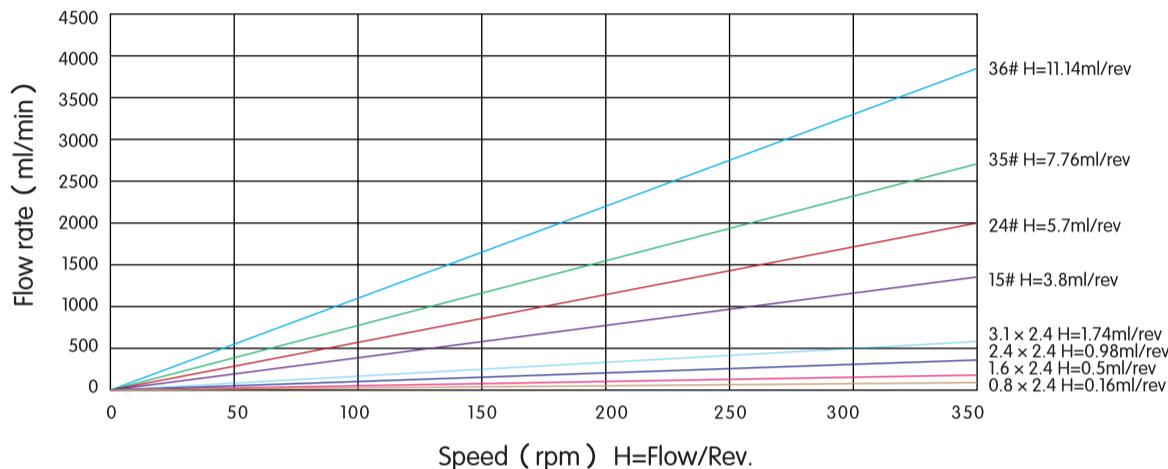


ITEM	PART NAME	QUANTITY	MATERIAL	SPECIFICATION
12	Rear bearing retaining ring	1		
11	Rear retainer	1		
10	Roller assembly	1		
9	Upper press block assembly	1		
8	6000 bearing	2		
7	Front bearing retaining ring	1		
6	Front retainer	1		
5	Cross recessed countersunk head screw	10	M4x15	
4	Front shell	1		
3	Press block	2		
2	Press bolt	2		
1	Holder	2		
ITEM	PART NAME	QUANTITY	MATERIAL	SPECIFICATION

Reduced pulsation



Flow Rate Curve



Technical data for reference



Dosing vol.	Tubing system type	A	B	C		D	
		Liquid inlet tube Ordinary silica gel	Liquid outlet tube Import tube : Pharmed	Peristaltic pump tube Tygon3350		Tee joint	
0.5~2ml	PF246-1.6	2.4*1.6	2.4*1.6	φ1.6*2.4	2 pcs	5/32	2 pcs
2~5ml	PF246-2.4	3.1*1.6	3.1*1.6	φ2.4*2.4	2 pcs	5/32	2 pcs
5~10ml	PF246-3.1	4.8*1.6	4.8*1.6	φ3.1*2.4	2 pcs	3/16	2 pcs
10~20ml	PF246-4.8	6.4*1.6	6.4*1.6	φ4.8*2.4	2 pcs	1/4	2 pcs
20~50ml	PF246-6.4	7.9*2.4	7.9*2.4	φ6.4*2.4	2 pcs	1/4	2 pcs
50~100ml	PF246-7.9	9.7*2.4	9.7*2.4	φ7.9*2.4	2 pcs	3/8	2 pcs
100~250ml	PF246-9.7	9.7*2.4	9.7*2.4	φ9.7*2.4	2 pcs	3/8	2 pcs

Tube Loading

