



F2–WF350–PF246
High precision dispensing pump
(F23500–P240)
Product Specifications

Overview

Model	F2-WF350-PF246
Drive	Servo drive
Motor	DC servo motor
Pump head	PF246
Tubing	$\phi 0.8 \times 2.4$ $\phi 1.6 \times 2.4$ $\phi 2.4 \times 2.4$ $\phi 3.1 \times 2.4$ $\phi 4.8 \times 2.4$ $\phi 6.4 \times 2.4$ $\phi 8 \times 2.4$ $\phi 9.6 \times 2.4$
Pump code	H52400
Product code	F23500-P240
Dosing accuracy	$\leq \pm 0.5\%$



features

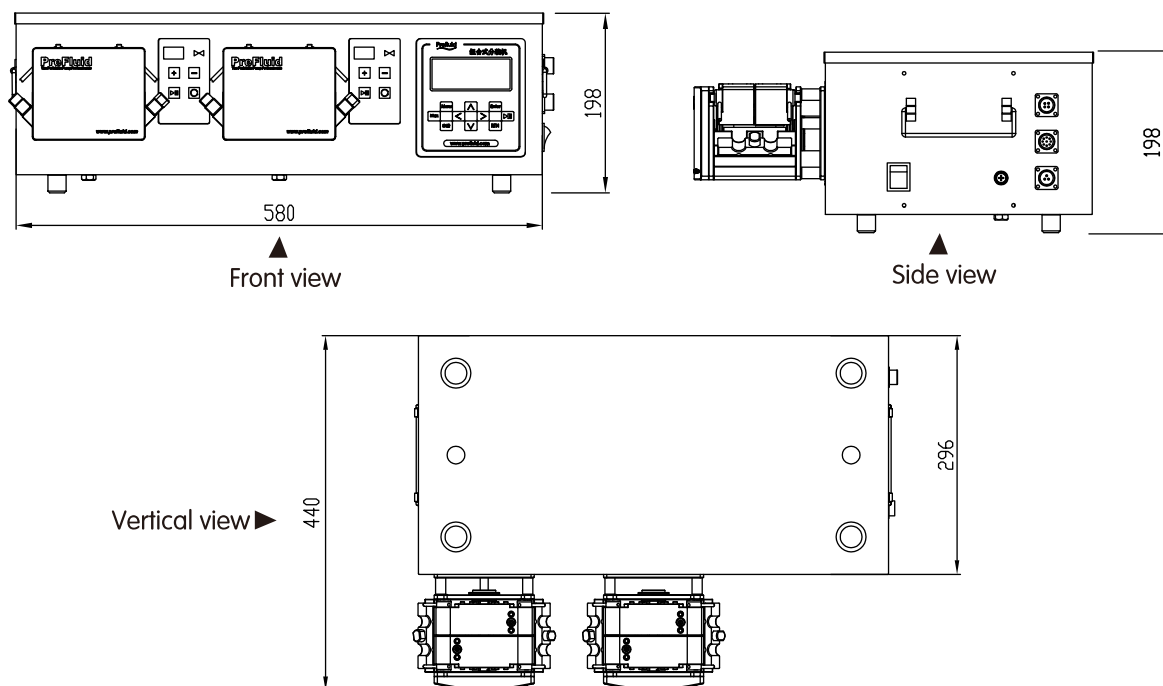
Drive:

Equipped with DC brushless motor, servo drive, ultra quiet running, free maintenance, central microprocessor command control, full pedometer (angle) running, minimum control angle 1° , adjustable range 180–36000°, pump head: speed 1–350RPM, fluidization design of the metal forming casing.

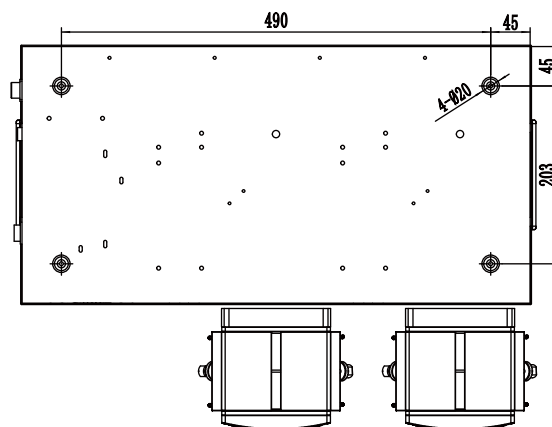
Pump head:

Equipped with PF246 mental dual channel pump head, which is made of alloy aluminum oxide material. The roller components are consist of six stainless rotors, the surface of the rotors is well-polished. The tubing in the pump head uses Y type structure to achieve the low pulsation and high precision flow control.

Dimension



The dimension of the bottom feet position



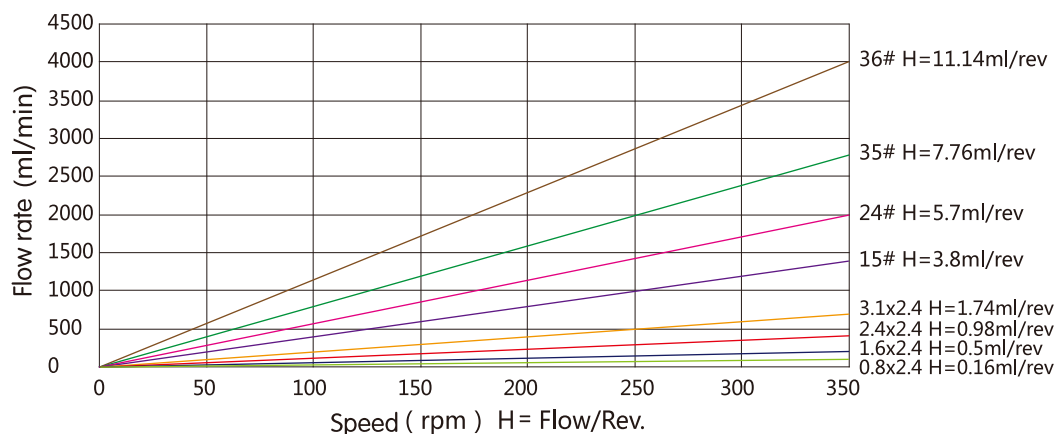
Specifications

Operation angle range	180–36000°
Angular resolution	1°
speed range	1~350rpm
speed resolution	1rpm
external control	Start/stop, no bottle filling stop signal input
power supply	AC220V ± 10% 50/60Hz
working environment	Temperature 0~50°C, relative humidity < 80%
Dimensions	580mmx440mmx198mm
Drive weight	20kg

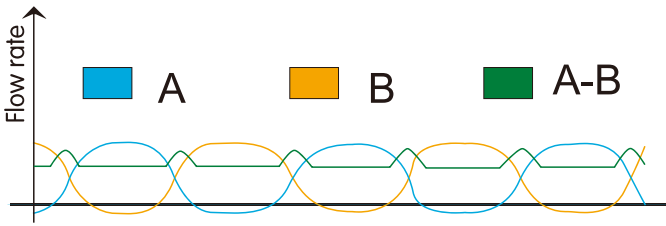
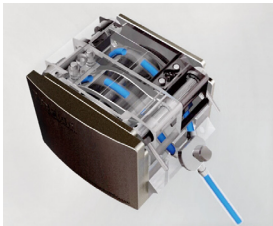
Setting details

Name	Number
Pump head	2
Dosing machine set	1
Standard power cord	1
external control line	1

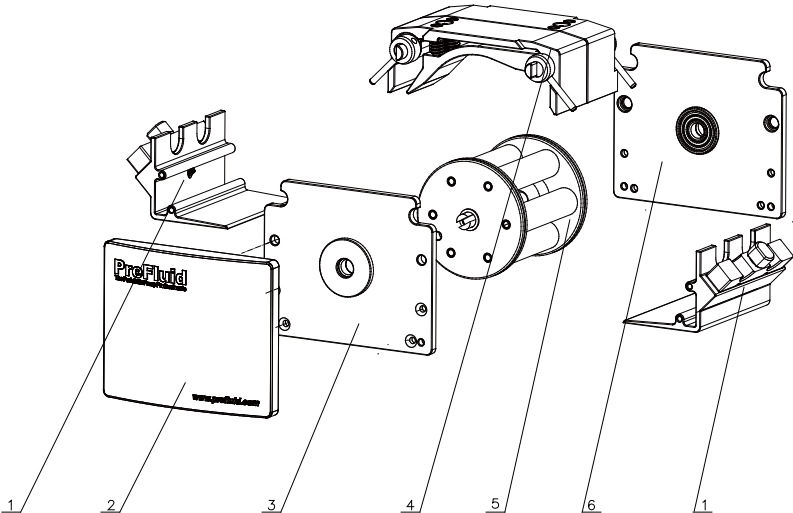
PF246 flow curve



Pulse weakened schematic



PF246 Structure



6	Rear retainer	1		
5	Roller assembly	1		
4	Upper press block asse	1		
3	Front retainer	1		
2	Front shell	1		
1	Holder	2		
ITEM	PART NAME	QUANTITY	MATERIAL	SPECIFICATION

Tubing selection for different dosing volume

volume	peristaltic pump tubing				Joint		Outer tubing				Accuracy	Tube No.
	Specifications Model	No	Length	Material	Specifications Model	No	ID	No	Length	Material		
0.5~2ml	1.6*2.4	2	0.2m	Tygon 3350	5/32	2	2.4mm	2	2m	Pharmed	±1%	1#
2~5ml	2.4*2.4	2	0.2m	Tygon 3350	5/32	2	3.1mm	2	2m	Pharmed		2#
5~10ml	3.1*2.4	2	0.2m	Tygon 3350	3/16	2	4.8mm	2	2m	Pharmed		3#
10~20ml	4.8*2.4	2	0.2m	Tygon 3350	1/4	2	6.4mm	2	2m	Pharmed		4#
20~50ml	6.4*2.4	2	0.2m	Tygon 3350	1/4	2	7.9mm	2	2m	Pharmed		5#
50~100ml	7.9*2.4	2	0.2m	Tygon 3350	3/8	2	9.7mm	2	2m	Pharmed		6#
100~250ml	9.7*2.4	2	0.2m	Tygon 3350	3/8	2	12.7mm	2	2m	Pharmed		7#

Tube Loading

