

## High Accuracy Dispensing Pump

High IP rate(IP54). DC brushless motor drive. Dispensing accuracy varies about 0.5%. Capable of accepting bottle-less signal and stop filling accordingly.

### WF350

Recommended dosing volume:  
0.5mL, 1mL, 2mL, 2.5mL, 5 mL, 10mL, 20mL

### Features

- Maintenance-free DC Brushless Servo Motor. Close-loop control.
- High accuracy dispensing. Accuracy varies about 0.5%. Multiple operation mode for selection.
- Large screen LED display in English and Chinese. Featured with calibration and batch transfer.
- The housing is covered with special coating which makes the housing antiseptic and easy to clean.

### Applications

- Minuteness fluid dosage
- Freeze-dried powder dispense
- Dispense culture medium

## Product Information

### Specification

Speed	0 ~ 350rpm
Speed accuracy rate	0.1 rpm
Speed control	Buttons on console panel
Display	LCD screen display
Remote control	Start/stop,
Communication protocol	RS-485
Power supply	AC220V $\pm 10\%$ 50/60Hz
Power consumption	$\leq 230W$
Working environment	Temperature $-10\sim 50^{\circ}C$ , humidity $<90\%$
Drive dimension	300mmx300mmx215mm
Drive weight	11kg

### Ordering Information



Pump Head: E505Y

Console panel



Pump Head: TH16

### Prefluid Application Example

#### Requirement:

To transfer 0.62ml of the rabies vaccine and influenza vaccine, the client required high accuracy and quick dispensing. The process must meet GMP criteria.

#### Solution:

High accuracy, small dosing volume mode of WF350 is designed with maintenance-free servo motor drive which performs stable and accurate operation. The E505Y pump head uses Y-shape tubing connection which provides high accurate dispensing feature. Easy tube changing and loading. Meets GMP criteria.

Filling vol.	Recommended speed	Recommended tubing	Filling time	Accuracy
0.5ml	135rpm	0.8 x 2.4	0.4s	$\leq \pm 2\%$
1ml	167rpm	0.8 x 2.4	0.4s	$\leq \pm 1\%$
2ml	281rpm	1.6 x 2.4	0.4s	
5ml	255rpm	2.4 x 2.4	1s	$\leq \pm 0.5\%$
10ml	275rpm	4.8 x 2.4	1.2s	