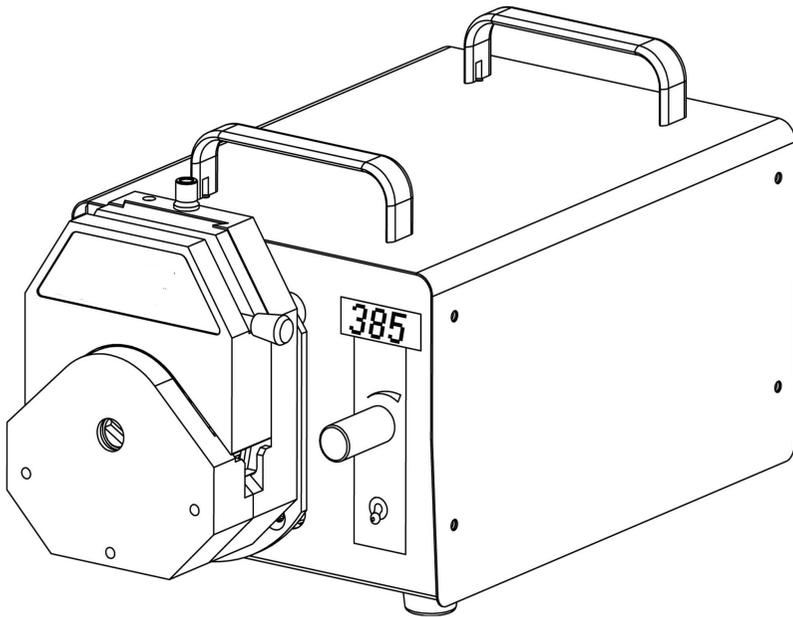


Peristaltic Pump Manual of ZG600x





Important information:

- Please read the instructions carefully before operation.



warning:

- Please connect the power cord directly to a wall outlet and avoid using extension cords.
- If the power cord or plug is worn or otherwise damaged, unplug the power cord (with the plug unplugged instead of the power cord).
- Turn off the power and unplug the power plug (holding the plug and not the power cord) if:
 1. Fluid splashed on the machine.
 2. You think the machine needs to be repaired or repaired.
- The customer's electrical outlet must be grounded and reliably grounded.

Note: The foot switch and other external control plugs must be loaded and unloaded in the power-off state to prevent burned external control interface.

Catalogue

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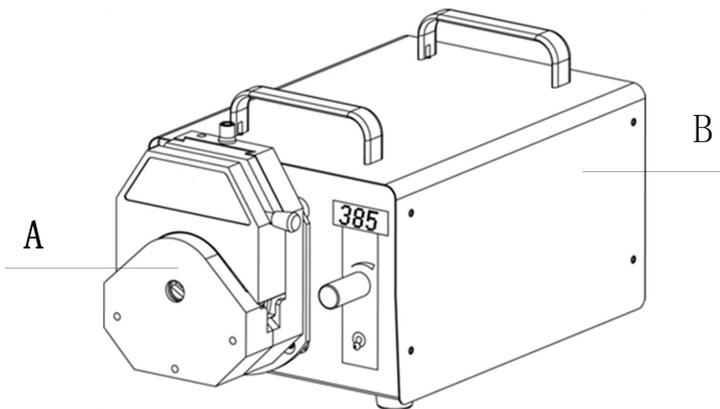
1. Product Introduction

ZG600X peristaltic pump easy to operate, high precision, corrosion resistance, remote control, practicality, commonly used in industrial fields, such as chemical plants in the production process to add accessories and so on. Can also be used to do a variety of laboratory liquid cell filtration, supporting the use of plate filters.

With external control start and stop functions, remote control start and stop, 0-5V, 0-10V, 4-20mA three kinds of analog signals optional control speed can be achieved with other equipment supporting

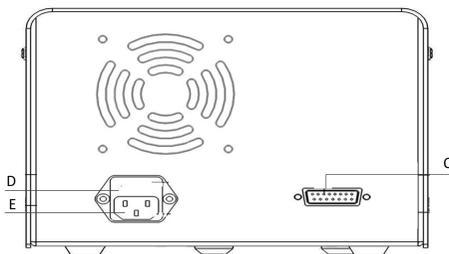
Pump head: YZ35.

2. ZG600X Appearance



A---Pump head

B----Drive



C. External control interface

D. Built-in fuse

E. Power socket

3. ZG600x Typical Application

Form a complete set of filtration system or plate filter

Molecular tangential flow ultrafiltration solution

Large liquid cans

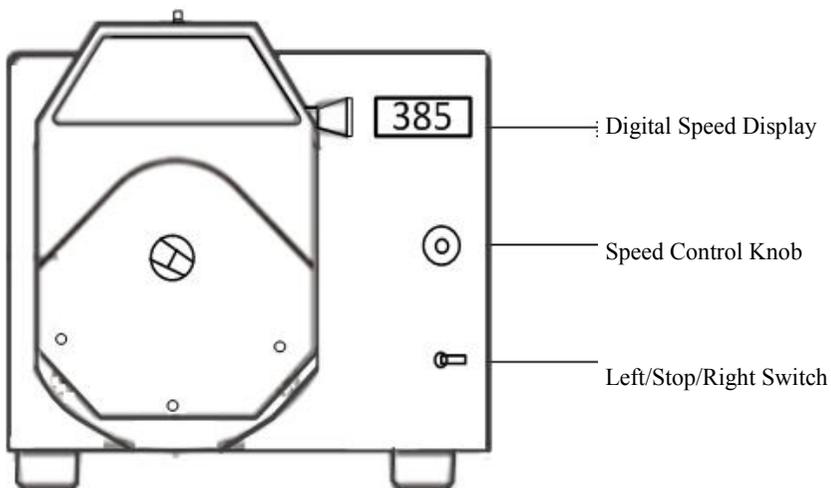
Large flow transmission

4. ZG600x Technical Specification

Speed	60~660rpm, Reversible reversible	Power supply	AC220V±10%, 50Hz/60Hz(Standard)
Power consumption	<300W		AC110V±10%, 50Hz/60Hz(chose)
Speed mode	Multi-turn potentiometer adjust speed	Temperature	0-40℃
Display method	4 LED display the current speed	Relative humidity	<80%

External control mode	Passive switch signal	Dimension (L*W*H)	325mm*236mm*193mm
External control speed	0-5V/0-10V/4-20mA Optional	Weight	17Kg
Pump Head	YZ35	IP rate	IP31

5. ZG600x Pump Operation



■ Digital LED Speed Display

Display the pump working speed, it changed according with the control knob rotation.

■ **Start/Stop, Working direction control**

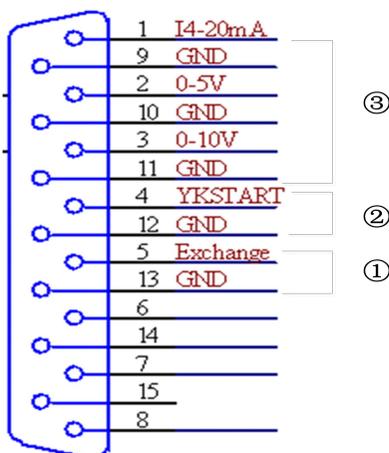
When the left-stop-right switch is set to "left", the pump runs counterclockwise at the set speed; when it is set to "right", the pump runs clockwise at the set speed; Pump stopped running.

■ **Speed control function**

Clockwise rotation speed control knob, the motor speed increase; turn speed control knob counterclockwise, motor speed decrease.

6. External Control Interface Instruction

External control interface as shown below:



(1) **Internal and external control switch**

Pin 5 (EXCHANGE) :Internal control and external control signal mode

switch port. The port is shorted to GND to switch to the external control mode, the external control start-stop signal and the external control analog speed control signal are effective; the port is disconnected from the GND for the internal control mode, the external control start-stop signal and the external control analog speed control signal invalid;

(2) External control start/stop

Pin 4 (YKSTART) :Start-stop signal port in external control mode. Start and stop signal port and shorted to GND pump to stop running, disconnect the pump to start running.

(3) Analog control speed

External control mode, the signal can control the motor from minimum speed to maximum speed.

Pin 1 (I4-20mA): 4-20mA current signal input

Pin 2 (0-5V): 0V to 5V voltage signal input

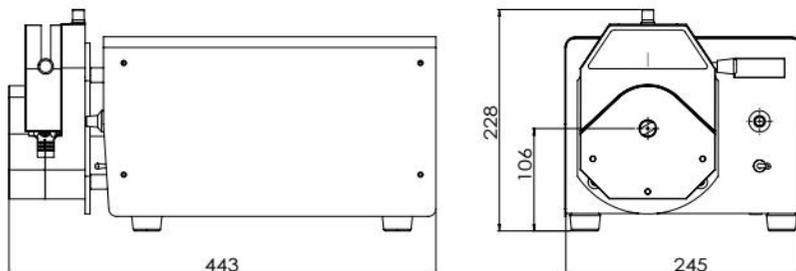
Pin 3 (0-10V): 0V to 10V voltage signal input

(4) Pin 9/Pin 10/Pin 11/Pin 12/Pin 13: GND

Note: 1. External control start/stop signal is passive signal (normally open start, normally closed stop).

2. Must pull out or insert the external control connector when the pump is power off, to prevent the external control interface from burning.

7. Product Dimension (mm)



8. Maintenance

When pump is not working, please loose the cartridges of pressing the tubing for avoiding changing the shape of tubing because of longtime extrusion.

Keep the rollers of pump head clean and dry, otherwise it can quicken the tubing wearing, reduce the useful life of tubing and lead the rollers to damage in earlier.

Pump head can not resist super corrosive liquid. Please pay attention to it when it is using.

Keep the rollers of pump head clean and dry. If the surface of rollers is not clean, it can quicken the tubing wearing, and reduce the useful life of tubing. If liquid were on the rollers, please dry it. Longtime moisture can damage the rollers.

9. Warranty and After Service

Products have 3 year warranty (not including tubing). During the warranty, the products are damaged because of users' wrong operation or other human damages, our company do not responsibility for warranty. Beyond the warranty, we only charge the cost of maintenance. Refer to all maintenance including in and beyond the warranty, we do not bear any freight charges because of maintenance.

This manual is prepared according to the products produced at the time of publication. As the products are continuously improved, the products produced after the publication may differ from the contents in the book, and are subject to change without further notice.

Special Statement: This manual can not be used as the basis for any request to our company.

The explanation of this manual is in Baoding Shenchen Pump Co., Ltd.

Although we make every effort, but negligence is inevitable, we sincerely welcome the masses of users criticism and correction.

