

Digital Auto Control Mechanical Diaphragm Metering Pumps



Dongkai JXM/JZM Series Digital Auto Control Mechanical Diaphragm Metering Pumps Are suitable for water treatment equipment

1. Product Introduction

Dongkai JXM/JZM Series Digital Auto Control Mechanical Diaphragm Metering Pumps. (with VFD Variable Frequency Drive)

5LPH@12Bar - 2000LPH@3Bar.

VFD Input Power: ModBus RS485 / 0-20mA / 0-10VDC / Liquid Level

Motor (Powered by VFD): Single Phase AC110V/220V or 3-Phase 380V/410V/440V

4-20 mA or 0-10VDC signal input controls stroke frequency 10:1 Turn-Down

Manual stroke length adjustment (0 to 100%) 10:1 Turn-Down.

2.Product Parameter (Specification)

Manual control and automatic control both utilize 1/2 hp, TEFC motor which provides for a quiet and cool operation. This lightweight metering pump allows a 1000:1 turn down capability by using the MPC controller. The VFD automatic controller controls the pump speed and flow through a digital

display. TheVFD uses digital (4 to 20 mA) inputs and outputs to monitor and control elements of the process.

The PVC model is ideal for pumping Sodium Hydroxide, Sulfuric acids in low concentrations, and Hydrochloric acids in low concentrations. Choose the stainless steel version for moving Acetic acids, and Lithium Chlorides.

3. Product Feature And Application

Digital Auto Control Mechanical Diaphragm Metering Pumps has the following characteristics:

Easy to Install, Rugged Construction

Simple, intuitive design is easy to operate and maintain. Oil free, greased for life bearing with no more oil to buy or change. Compact and lightweight. Designed to withstand both indoor or outdoor rigors (when protected from precipitation and direct sunlight).

Manual Stroke Adjustment Mechanism

Manual micrometer style stroke adjustment; 10:1 turndown.

Cartridge Check Valves

Guided ball check system reduces back flow and enhances priming characteristics. Simple o-ring seals provide for reliable leak free performance and easy replacement.

Materials of Construction

See Specifications tab.

Dongkai JXM/JZM Series Digital Auto Control Mechanical Diaphragm Metering Pumps Are suitable for water treatment equipment and engineering, For Chemical Fluid With Auto Control the Motor's RPM.

4.Product Details

Product Name	Digital Auto Mechanical Diaphragm Metering Pump
Flow Rated	5LPH@12Bar - 2000LPH@3Bar
Control Mode	ModBus RS485 / 0-20mA / 0-10VDC / Liquid Level
Motor Type	Inverter Motor

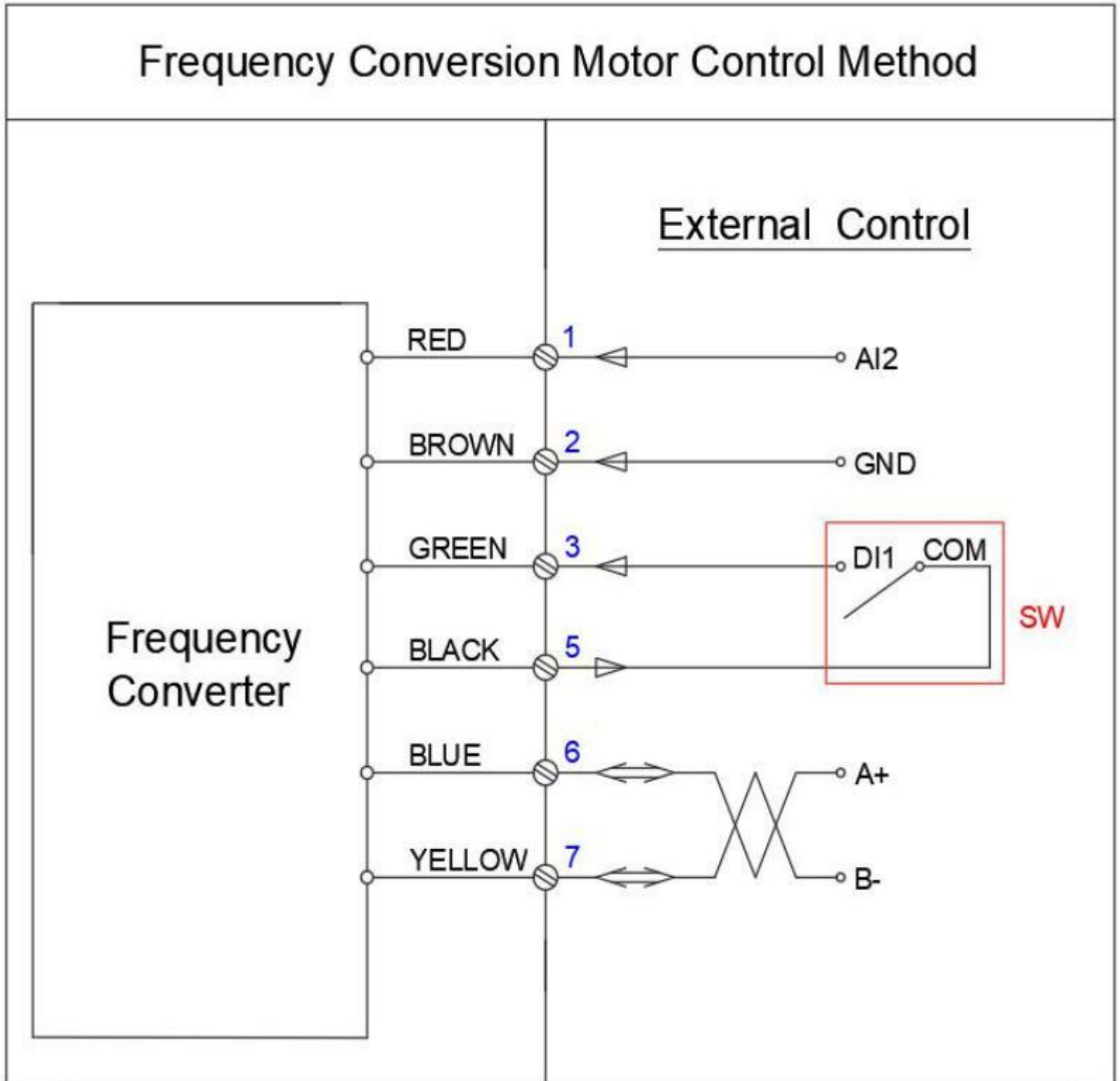
Pump Head Material	PVC/PP/PTFE/PVDF/SUS304/SUS316
Motors power	0.37KW-1.5KW
Stroke Adjust Range	0~100%
Material of Diaphragm	5 Layers For PTFE+EPDM+SUS304+Nylon+EPDM
Stroke Frequency	0~100%
Input Voltage	Single Phase AC110V/220V or 3-Phase 380V/410V/440V
Diaphragm Warranty	12000hours
Fan Power	Independent Power Supply







5.Product Qualification



signal input pin definiy

Pin 1 and pin 2 are respectively connected to the analog signal input terminal, which can be connected to 0~20mA current signal or 0~10VDC voltage signal. Among them, pin 1 is connected to the positive terminal of the signal, and pin 2 is connected to the negative terminal of the signal. The pin enables the system to support external analog signal input control;

Pin 3 and pin 5 are respectively connected to the signal input end of the passive dry contact. This pin enables the system to support the start/stop control of the pump in the external signal control mode;

Pin 6 and pin 7 are respectively connected to the signal input terminal of RS485 communication line, pin 6 is connected to RS485 A+ terminal, and pin 7 is connected to RS485 B-terminal. This pin enables the system to support RS485 communication control and Modbus communication protocol;



6.Deliver,Shipping And Serving

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Packaging & Delivery

www.cndkby.com

Selling Units:

Set/Sets

Package Type:

Strong Carton packing suitable for the sea transportation. 1set/ctn

7.FAQ

1.How long does it take to receive the product after placing an order?

6-15 days, after your order, we will contact you and tell you the specific time.

2. Are you a manufacturer or trading company?

We have large factorys, R&D teams and foreign trade elite teams.