



Accurate Hydraulic Diaphragm Metering Pumps

High precision and reliability Accurate Hydraulic Diaphragm Metering Pumps are highly precise and reliable metering pumps for chemical processes which achieve metering accuracy within $\pm 1\%$ (see Note 1), linearity within $\pm 2\%$ (see Note 3) and feature a driving unit specially designed for long-term continuous operation. Improved cost performance

The mechanical efficiency of the reduction gear as well as that of the entire pump is improved. In addition, the employment of a large-capacity pump head and the standardization of high-speed types have further improved the cost efficiency of the pump. Compact and lightweight.

1. Product Introduction

When Accurate Hydraulic Diaphragm Metering Pumps run, your just requires only minimal maintenance. The diaphragms are durable and provide consistently accurate metering. The technology also offers a very high standard of safety: there is a pressure relief valve in the hydraulic end as protection against overload. The multi-layer diaphragms are equipped with a diaphragm rupture warning system as standard. So you can be sure that the feed chemicals cannot mix with the hydraulic oil.

2.Product Parameter (Specification)

Accurate Hydraulic Diaphragm Metering Pumps DKY1.6/DKY3.0 Series Hydraulic Diaphragm Metering Pump Capacity range 8.6-1000lph ,5-500bar. Power: 0.37-1.5kw , 380V 3 phase on standard, single phase or other voltage on request; EX-proof motor is available on request.

3.Product Feature And Application

It consists of three main devices: (1)driving device, (2) adjusting device, (3) liquid delivery device. The crankshaft which reduces motor rotation speed by worm and worm gear makes the piston reciprocate in the hydraulic oil chamber. This reciprocating movements of the pitston make the

PTFE diaphragm and the liquid which is isolated by the diaphragm sucked and discharged. Each pump is with internal pressure relief valve protecting pump from over pressure conditions.

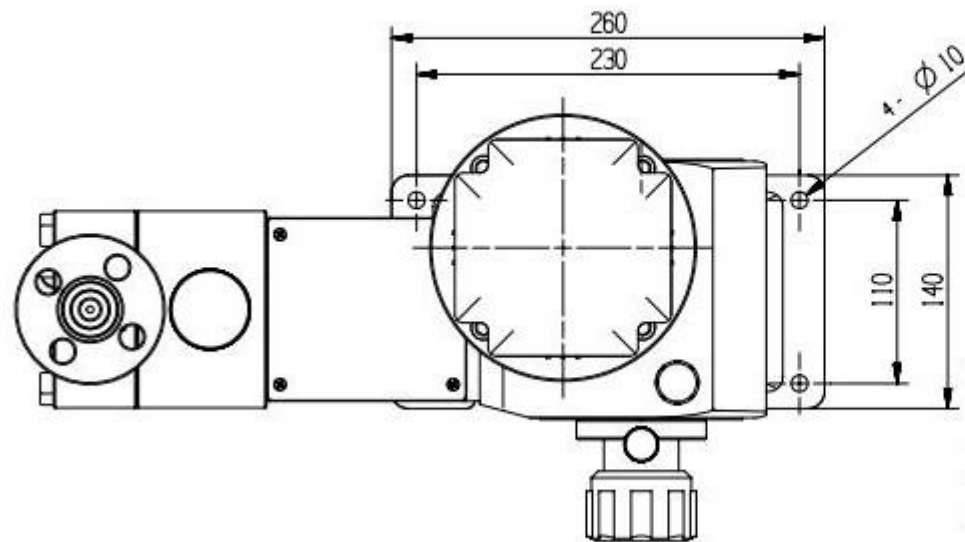
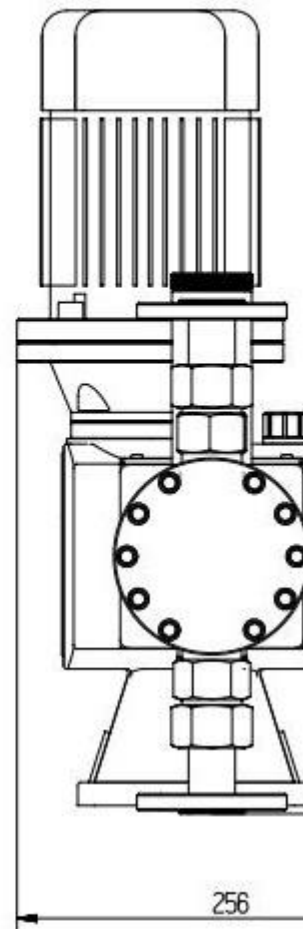
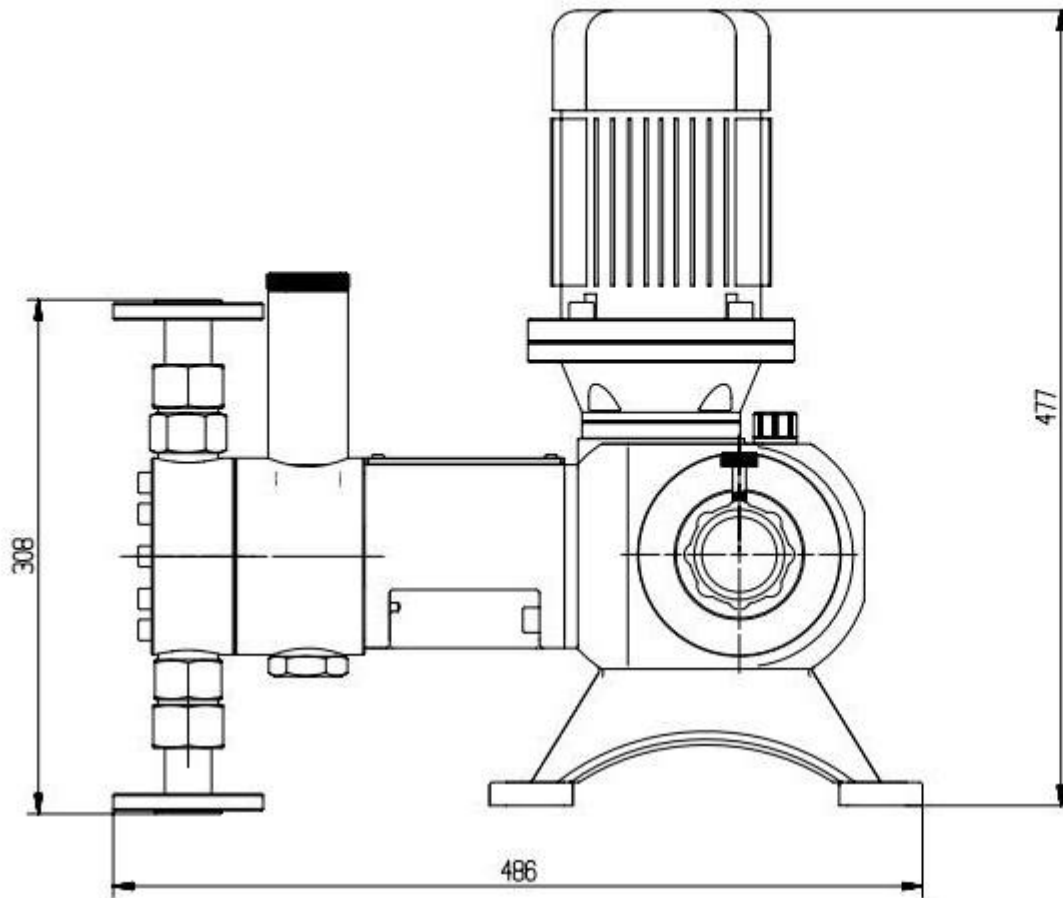
The flow rate can adjusted via unique adjusting mechanism from 0-100%. The adjustment can be carried when pump is in operation or at stop. The steady state accuracy is $\pm 1\%$ from 30%-100% of the maximum output. Automatic operation is achieved by variable speed drive.

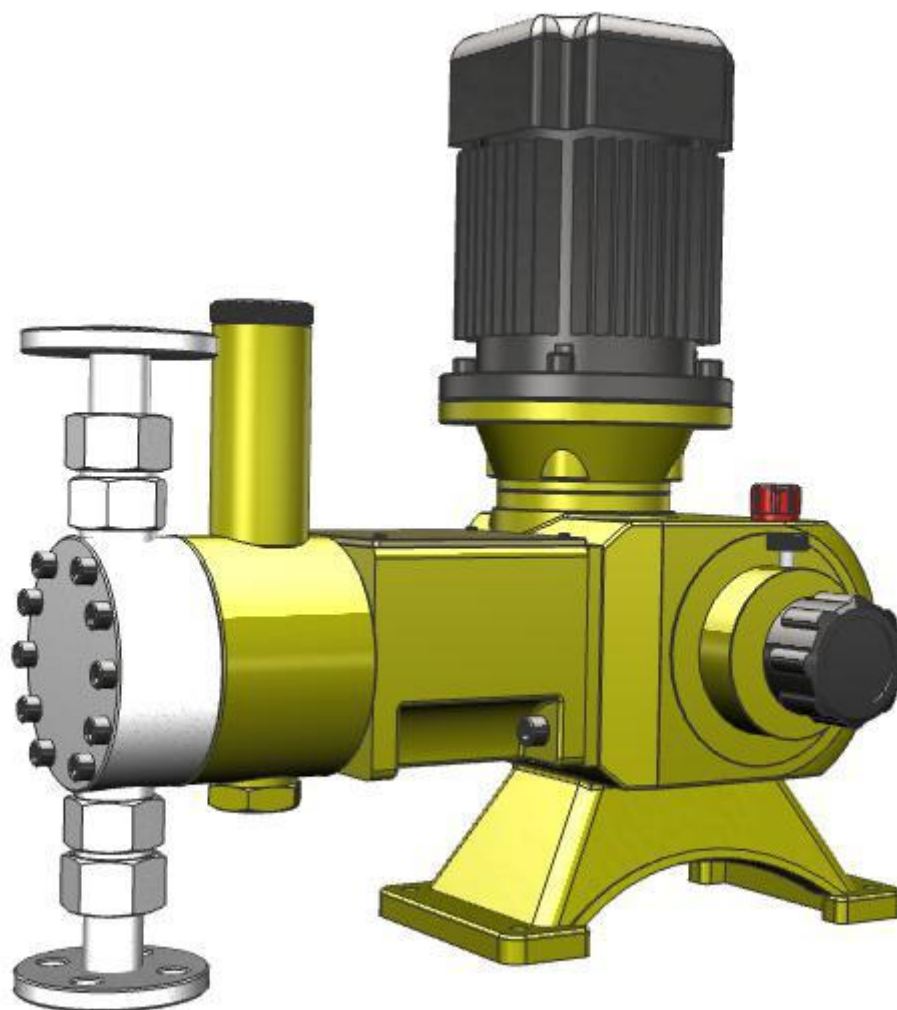
Dongkai Accurate hydraulic diaphragm pumps are suitable for corrosive, vaporizing, flammable, explosive or toxic solutions. It can also transport suspended liquid or moderately viscous liquid.

Double diaphragm with diaphragm rupture detecting system is available to prevent accident caused by mixture of hydraulic oil and the liquid after diaphragm ruptures.

The industries in which accurate hydraulics technology is used: Oil/gas production (onshore/offshore)
Refineries Chemical / petrochemical industry Pharmaceuticals & cosmetics Food production
Packaging industry (bottling pumps)

4. Deliver, Shipping And Serving





5.FAQ

Where are your products used?

Our pumps are widely used in different fields:water treatment,chemical processing,petrochemical industry,food industry, water plants,pharmaceutical industry and so on.

If OEM is acceptable?

We accept OEM.



www.cndkby.com

Do you provide sample? Free or charge?

Samples require fees.