



JLS SERIES

METERING PUMP

SELECTION BROCHURE

Main performance parameters

Maximum flow rate: 240L/h

Maximum discharge pressure: 13Mpa

Adjustment range: 10%-100%, steady-state accuracy $\pm 1\%$

Suction and lifting height: 2.5m

Medium temperature: $-10^{\circ}\text{C} \sim 100^{\circ}\text{C}$

The maximum ambient temperature is $+40^{\circ}\text{C}$

Main Features

1. Strudy and compact design, small pump head volume.
2. The plunger directly acts on the compression medium, with high volumetric efficiency and less transmission loss at high pressure.
3. Suitable for high pressure application, suitable for conveying media without solid particles, capable of conveying high viscosity media. It is not recommended to use it when transporting corrosive slurries and flammable and explosive hazardous chemicals.
4. Variable eccentric adjustment mechanism ensures flow regulation accuracy and smooth flow changes.
5. Adopting a multi pass combination sealing structure of "graphite fiber+step seal" with excellent wear resistance and corrosion resistance.

Control Mode

Power supply: 380V/three-phase, 220V/single-phase, 220V/three-phase, 50Hz/60Hz.
By installing a variable frequency controller to receive external control signals, the stroke speed can be adjusted.

Input signal: 4-20mA analog signal.

The switch controller controls the three-phase motor in an "on/off" manner to regulate the output the output flow rate.

Main Application

Various fields such as oil and chemical industry, chemical industry, electricity, metallurgy, etc., especially in high-precision and high-pressure fields.

Technical Parameter

Main Component of Liquid End

Liquid End	Pump Head	Valve Body	Valve Seat	Valve Ball	Plunger	Packing Seal	O Ring
SS316	SS316	SS316	SS316	SS304/ Ceramic	SS316+ Ceramic	Graphite carbon fiber+ step-seal	FPM/PVDF/EPDM*/Coated PTFE*
SS304	SS304	SS304	SS304	SS304/ Ceramic	SS316+ Ceramic	Graphite carbon fiber+ step-seal	FPM/PVDF/EPDM*/Coated PTFE*

Note: * is optional.

Model Identification Codes

Description	Series	Flow	Liquid End	Connection	Motor	Adjust	Base
ID Code							

Series

Code	Description
JLS	JLS series plunger metering pump

Flow

Code	Max Flow (L/H)	Max Pressure (Mpa)	Plunger (mm)	Power (kW)	SPM(min)	Stroke Length (mm)
JLS240/0.8	240	0.8	60	0.37	144	9.6
JLS240/0.6		0.6		0.25		
JLS210/0.9	210	0.9	56	0.37		
JLS210/0.7		0.7		0.25		
JLS160/1.1	160	1.1	50	0.37		
JLS160/0.9		0.9		0.25		
JLS130/1.4	130	1.4	45	0.37		
JLS130/1.2		1.2		0.25		

JLS100/1.8	100	1.8	40	0.37		
JLS100/1.5		1.5		0.25		
JLS80/2.4	80	2.4	35	0.37		
JLS80/2.0		2.0		0.25		
JLS60/3.0	60	3.0	30	0.37		
JLS60/2.8		2.8		0.25		
JLS40/4.5	40	4.5	25	0.37		
JLS40/4.0		4.0		0.25		
JLS30/6.0	30	6.0	22	0.37		
JLS30/5.0		5.0		0.25		
JLS25/7.0	25	7.0	20	0.37		
JLS25/6.0		6.0		0.25		
JLS20/9.0	20	9.0	18	0.37		
JLS20/7.5		7.5		0.25		
JLS13/13.0	13	13.0	15	0.37		
JLS13/11.0		11.0		0.25		

Liquid End

Code	Description
S	SS304
L	SS316
Z	Others on request

Connection

Code	Description	JLS13-80	JLS100-240
P	NPT thread	1/2"M	1/2"F
F	Flange	DN15	DN20
K	Welding Union	DN15	-----
X	Others on request		

Motor

Code	Description
1	3PH 380V, 50Hz, 1440rpm, IP55/F
2	1PH 220V, 50Hz, 1440rpm, IP55/F
3	Ex proof motor,3PH 380V, 50Hz, 1440rpm, IP55/F, Ex d II BT4
4	VF motor, 3PH 380V, 50Hz, 1440rpm, IP55/F, VF Motor IC416
5	Without motor, with IEC71 motor base
6	Others on request

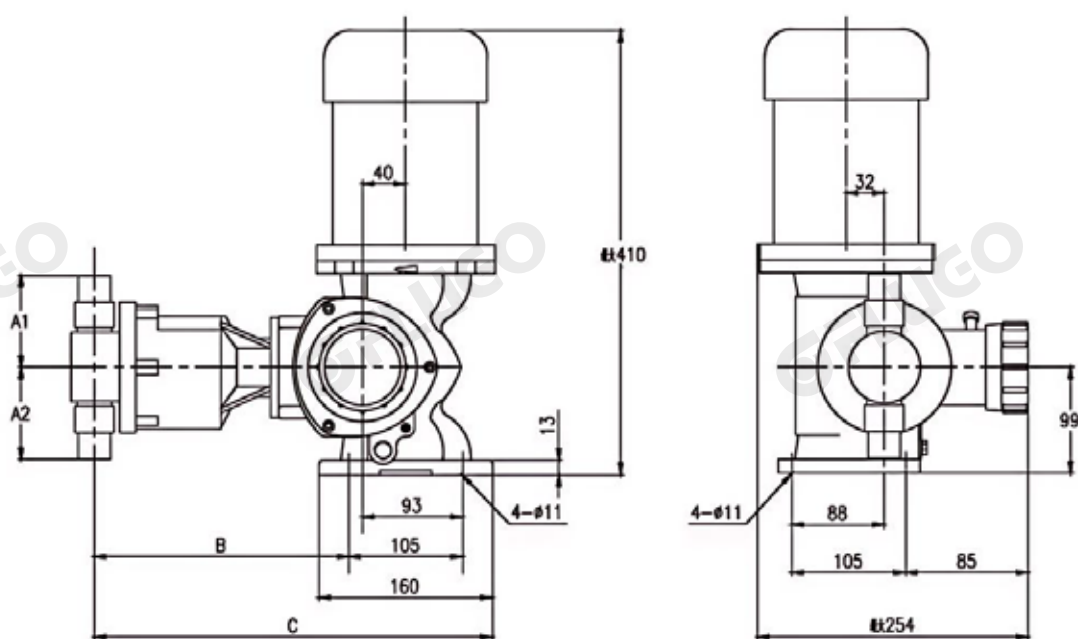
Adjust

Code	Description
M	Manual Adjust (standard)
N	Stroke controller(, 4-20mA,220VAC-1Ph)

Base

Code	Description
N	Without pump base (standard)
Y	With pump base

JIS serial Dimension



Code	Power (kW)	A1 (mm)	A2 (mm)	B (mm)	C (mm)	Weight (kg)			
JLS240/0.8	0.37	117.5	117.5	236	368.5	23±2			
JLS240/0.6	0.25								
JLS210/0.9	0.37								
JLS210/0.7	0.25								
JLS160/1.1	0.37								
JLS160/0.9	0.25								
JLS130/1.4	0.37								
JLS130/1.2	0.25								
JLS100/1.8	0.37	101	101	238	370.5				
JLS100/1.5	0.25								
JLS80/2.4	0.37	141.5	143.5						
JLS80/2.0	0.25								
JLS60/3.0	0.37	137.5	139.5	248.5	381				
JLS60/2.8	0.25								
JLS40/4.5	0.37								
JLS40/4.0	0.25								
JLS30/6.0	0.37								
JLS30/5.0	0.25								
JLS25/7.0	0.37								
JLS25/6.0	0.25								
JLS20/9.0	0.37								
JLS20/7.5	0.25								
JLS13/13.0	0.37								
JLS13/11.0	0.25								

