



JXS SERIES

METERING PUMP

SELECTION BROCHURE

Main performance parameters

Max flow rate:1200L/h

Max discharge pressure: 500bar

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

Max suction lift height:2.5m

Main Features

1. The high-strength ceramic plunger ensures superior wear resistance and ultra long lifespan.
2. The leakage resistance performance far exceeds the national standard, due to the combination sealing structure.
3. The plunger directly acts on the medium, and the pump has high volumetric efficiency, ensuring precise flow at different pressures measurement.
4. High measurement accuracy, steady-state accuracy can reach $\pm 1\%$
5. The anti loosening adjustment lock structure design ensures that the pump has ultra-high stability accuracy.
6. The design features high-precision adjustable structure, ensuring the pump has ultra-high reproducibility.
7. The modular design provides versatile adaptability to various working conditions, including vertical, horizontal, and multi connected pump bodies.
8. Durable and compact design, small pump head volume, with optimizable connections.
9. Suitable for high-pressure environments and capable of transporting high viscosity media.

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 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 Components 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 fiber+ step-seal	FPM/PVDF/EPDM*/Coated PTFE*
SS304	SS304	SS304	SS304	SS304/ Ceramic	SS316+ Ceramic	graphite fiber+ step-seal	FPM/PVDF/EPDM*/Coated PTFE*

Note: * is optional.

Model Identification Codes

Description	Series	Flow	Liquid End	Connection	Motor
ID Code					

Series

Code	Description
JXS	JXS series plunger metering pump

Flow

Code	Max Flow (L/h)	Max Pressure (Mpa)	Power (kW)	Plunger (mm)	SPM (min ¹)
JXS1200/0.7	1200	0.7	1.5	100	130
JXS1200/0.5		0.5	1.1		
JXS1100/0.8	1100	0.8	1.5	95	
JXS1100/0.6		0.6	1.1		
JXS960/0.9	960	0.9	1.5	90	
JXS960/0.7		0.7	1.1		
JXS960/0.5		0.5	0.75		
JXS860/1.1	860	1.1	1.5	85	
JXS860/0.8		0.8	1.1		
JXS860/0.5		0.5	0.75		
JXS760/1.2	760	1.2	1.5	80	
JXS760/0.9		0.9	1.1		
JXS760/0.6		0.6	0.75		
JXS650/1.4	650	1.4	1.5	75	
JXS650/1.0		1.0	1.1		
JXS650/0.7		0.7	0.75		
JXS570/1.6	570	1.6	1.5	70	
JXS570/1.1		1.1	1.1		
JXS570/0.8		0.8	0.75		
JXS490/1.8	490	1.8	1.5	65	
JXS490/1.3		1.3	1.1		
JXS490/0.9		0.9	0.75		
JXS410/2.1	410	2.1	1.5	60	
JXS410/1.6		1.6	1.1		
JXS410/1.1		1.1	0.75		
JXS360/2.4	360	2.4	1.5	56	
JXS360/1.8		1.8	1.1		
JXS360/1.2		1.2	0.75		
JXS280/3.1	280	3.1	1.5	50	
JXS280/2.2		2.2	1.1		
JXS280/1.5		1.5	0.75		
JXS230/3.8	230	3.8	1.5	45	

JXS230/2.8		2.8	1.1		
JXS230/1.9		1.9	0.75		
JXS180/4.8	180	4.8	1.5	40	
JXS180/3.5		3.5	1.1		
JXS180/2.4		2.4	0.75		
JXS140/6.2	140	6.2	1.5	35	
JXS140/4.6		4.6	1.1		
JXS140/3.1		3.1	0.75		
JXS100/8.5	100	8.5	1.5	30	
JXS100/6.2		6.2	1.1		
JXS100/4.2		4.2	0.75		
JXS70/12	68	12	1.5	25	
JXS70/8.8	70	8.8	1.1		
JXS70/6	70	6	0.75		
JXS55/15.8	51	15.8	1.5	22	
JXS55/11.7	52	11.7	1.1		
JXS55/8	54	8	0.75		
JXS45/19	41	19	1.5	20	
JXS45/13.9	42	13.9	1.1		
JXS45/9.5	45	9.5	0.75		
JXS35/23.5	33	23.5	1.5	18	
JXS35/17	34	17	1.1		
JXS35/12	35	12	0.75		
JXS25/34	21.5	34	1.5	15	
JXS25/25	22.5	25	1.1		
JXS25/17	23.5	17	0.75		
JXS20/38	18.3	38	1.5	14	
JXS20/28	19.7	28	1.1		
JXS20/19	20.4	19	0.75		
JXS15/50	12.4	50	1.5	12	
JXS15/36	13.8	36	1.1		
JXS15/25	14.6	25	0.75		
JXS10/50	8.6	50	1.5	10	
JXS10/36	9.6	36	1.1		
JXS10/25	10.2	25	0.75		

Liquid End

Code	Description
S	SS304
L	SS316
Z	Others on request

Connection

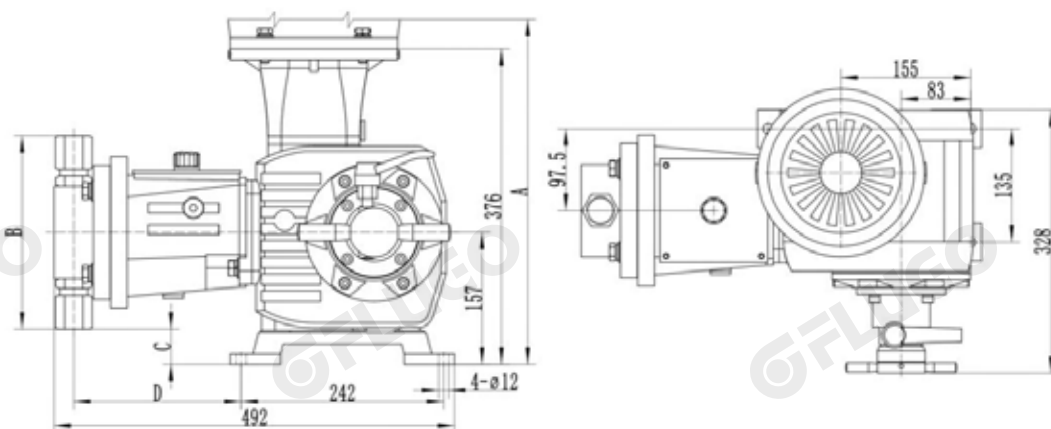
Code	Description	JXS10-70	JXS100-410	JXS490-960	JXS1100-1200
P	NPT thread	1/2" M	1/2" F	1" M	1.5" M
F	Flange	DN15	DN20	DN25	DN40
K	Welding Union	DN15	-----	-----	-----
X	Others on request				

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 IEC motor base
6	Other motor on request
7	Ex proof VF motor, 3PH 380V, 50Hz, 1440rpm, IP55/F, Exd II BT4, C416

Note: If adopt VF motor, power should be one level higher than the standard motor.

JXS serial Dimension



Code	Power(kW)	A(mm)	B(mm)	C(mm)	D(mm)
JXS1200/0.7	1.5	100	423	-54	199
JXS1200/0.5	1.1				
JXS1100/0.8	1.5	100			
JXS1100/0.6	1.1				
JXS960/0.9	1.5	676	356	-21	
JXS960/0.7	1.1	656			
JXS960/0.5	0.75	636			
JXS860/1.1	1.5	676			
JXS860/0.8	1.1	656			
JXS860/0.5	0.75	636			
JXS760/1.2	1.5	676			
JXS760/0.9	1.1	656			
JXS760/0.6	0.75	636			
JXS650/1.4	1.5	676			
JXS650/1.0	1.1	656			
JXS650/0.7	0.75	636			
JXS570/1.6	1.5	676			
JXS570/1.1	1.1	656			
JXS570/0.8	0.75	636			
JXS490/1.8	1.5	676			
JXS490/1.3	1.1	656			

JXS490/0.9	0.75	636			
JXS410/2.1	1.5	676	224	45	200
JXS410/1.6	1.1	656			
JXS410/1.1	0.75	636			
JXS360/2.4	1.5	676	219	47.5	
JXS360/1.8	1.1	656			
JXS360/1.2	0.75	636			
JXS280/3.1	1.5	676	214	50	
JXS280/2.2	1.1	656			
JXS280/1.5	0.75	636			
JXS230/3.8	1.5	676	209	52.5	
JXS230/2.8	1.1	656			
JXS230/1.9	0.75	636			
JXS180/4.8	1.5	676	204	55	
JXS180/3.5	1.1	656			
JXS180/2.4	0.75	636			
JXS140/6.2	1.5	676	199	57.5	
JXS140/4.6	1.1	656			
JXS140/3.1	0.75	636			
JXS100/8.5	1.5	676	194	60	
JXS100/6.2	1.1	656			
JXS100/4.2	0.75	636			
JXS70/12	1.5	676	273	20.5	211
JXS70/8.8	1.1	656			
JXS70/6	0.75	636			
JXS55/15.8	1.5	676			
JXS55/11.7	1.1	656			
JXS55/8	0.75	636			
JXS45/19	1.5	676	268	23	
JXS45/13.9	1.1	656			
JXS45/9.5	0.75	636			
JXS35/23.5	1.5	676	273	20.5	
JXS35/17	1.1	656			
JXS35/12	0.75	636			
JXS25/34	1.5	676			

JXS25/25	1.1	656			
JXS25/17	0.75	636			
JXS20/38	1.5	676			
JXS20/28	1.1	656			
JXS20/19	0.75	636			
JXS15/50	1.5	676			
JXS15/36	1.1	656			
JXS15/25	0.75	636			
JXS10/50	1.5	676			
JXS10/36	1.1	656			
JXS10/25	0.75	636			

