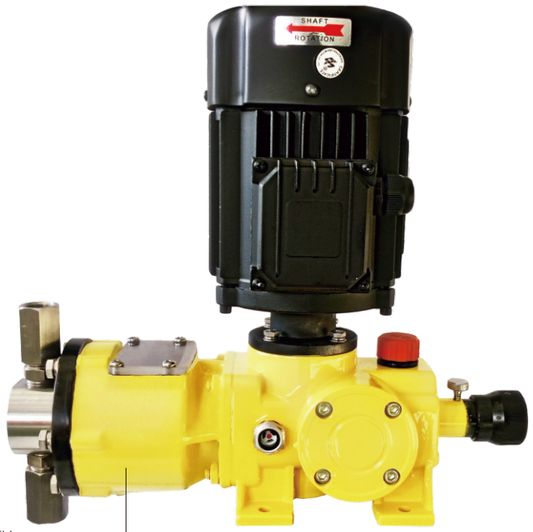
JW Series Plunger-Type Metering Pump

Main Performance Parameters

- Max flow rate: 75L/h
- Max discharge pressure: 20Mpa
- Steady-state accuracy ± 1%
- Maximum suction lift height: 1.5m water column
- Medium temperature: -10 ° C ~ 100 ° C
- The highest ambient temperature: +40 ° C

Major Features

- Hard and compact design, small pump head, and optimized connection.
- Plunder contacts medium directly with high volumetric efficiency.
- It is suitable for conveying non-solid particles media, high viscosity media, corrosive or toxic medias, in high pressure environment; It is not recommended for corrosive pulp and flammable, explosive,dangerous chemicals!
- It adopts reliable cam structure, with lower noise, flexible disassembly, and easy maintenance features, for harsh working conditions.
- Adopt graphite fiber with superior sealing performance and long service life.



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Patent No.: ZL201520947735.5

Control Mode

- Power supply: 380V/220V-50Hz/three-phase/single-phase
- Variable frequency controller receives the external control signal and adjusts the stroke speed, input signal: 4-20mA analog signal
- Motor controller determines three-phase motor by "on/off" mode, adjusts the output flow

Main Applications

- It is widely used in fields such as chemical, petrochemical, electricity and metallurgy etc.In particular,it is very popular in fields with high viscosity, high pressure and high temperature.

Main Components of the Fluid End

Fluid End	Pump head	Valve body, valve seat	Valve ball	Plunger	Tamping	Seal Ring
304SS	304SS	316SS	304SS/Zirconia	304+Ceramic	Graphite fiber	Fluororubber/others
316SS	316SS	316SS	304SS/Zirconia	316+Ceramic	Graphite fiber	Fluororubber/others

JW Series Plunger-Type Metering Pump Model Description

Series ☐ Flow/Pressure ☐ Fluid End ☐ Interface ☐ Electric Motor ☐ Base ☐

Series

Code	Description
JW	JW Series Plunger-Type Metering Pump

Flow/Pressure

Code	Max flow (L/h)	Max pressure (Mpa)	Plunger diameter (mm)	Stroke frequency (min^{-1})	Stroke length (mm)	Motor power (kW)
JW75/0.4	75	0.4	50	116	6	0.2
JW60/0.5	60	0.5	45			
JW50/0.6	50	0.6		96		
JW45/0.7	45	0.7	40	116		
JW38/0.8	38	0.8		96		
JW35/0.9	35	0.9	35	116		
JW30/1.0	30	1.0		96		
JW25/1.2	25	1.2	30	116		
JW20/1.4	20	1.4		96		
JW15/2.0	15	2.0	25			
JW10/2.5	10	2.5	20	116		
JW9/3.5	9	3.5	18			
JW7/3.9	7	3.9		96		
JW6/4.5	6	4.5	15	116		
JW5/5.0	5	5.0		96		
JW4/6.0	4	6.0		80		
JW2/12.0	2	12.0	9	116		
JW1.5/14.0	1.5	14.0		96		
JW1/20.0	0.9	20.0		80	4	

Fluid End

Code	Material
S	304SS
L	316SS
Z	As for special fluid end, please consult Nanfang Pump, and indicate in order

Interface

Code	Description	JW4–JW75
P	NPT thread	1/2"F
X	Special interface	Please consult Nanfang pump, and indicate in order

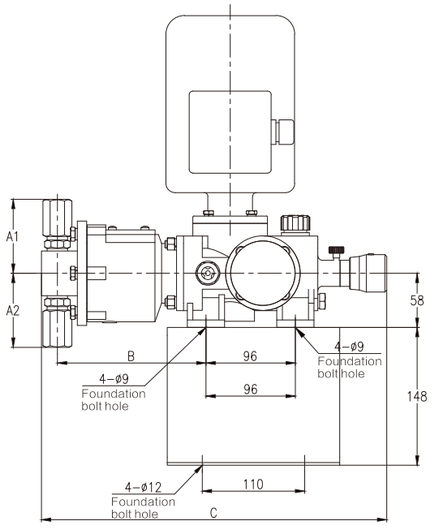
Electric Motor

Code	Description
1	200W, 1440rpm, 3-50-380V, IP55/F/TEFC
2	200W, capacitor-start motor, 1440rpm, 1-50-220V, IP55/F/TEFC
3	Consult Nanfang Pump for other motors

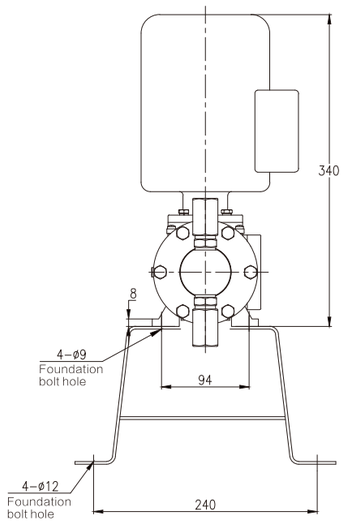
Base

Code	Description
N	No base
Y	Base

JW Series Dimensions



JW series side view



JW series front view

JW Series Mounting Dimensions

Code	A1(mm)	A2(mm)	B(mm)	C(mm)	Weight(kg)
JW75/0.4	111.5	111.5	153	371	25±2
JW60/0.5					
JW50/0.6					
JW45/0.7	93	93	159.5	371	
JW38/0.8					
JW35/0.9	90	90			
JW30/1.0					
JW25/1.2	87.5	87.5			
JW20/1.4					
JW15/2.0	85	85			
JW10/2.5	82	82			
JW9/3.5					
JW7/3.9					
JW6/4.5	79.5	79.5			
JW5/5.0					
JW4/6.0					
JW2/12.0	74.5	75.5			
JW1.5/14.0					
JW1/20.0					

JW Series Plunger-Type Metering Pumps (with base)