

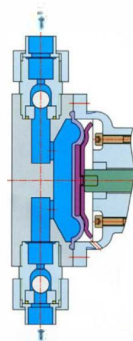
■ Principle & structure

This series of products is based on mechanical diaphragm metering pump driven by motor through turbine worm, which is suitable for low-pressure fluid metering.

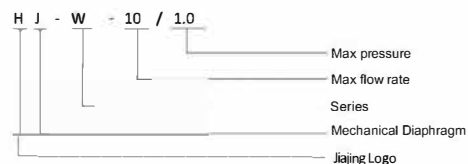
Diaphragm metering pump uses flexible diaphragm to replace piston. Driven by actuator, the diaphragm moves back and forth, which changes the volume of pump chamber and sucks and discharges liquid under the action of pump inlet and outlet valves.

According to the needs of various process, the flow rate of diaphragm metering pump can be steplessly adjusted in the range of 0-100%, thus quantitatively transmitting corrosive and non-corrosive liquid without solid particles. The pump head is equipped with a variety of materials (PTFE, PVC, PVDF, SS304, 316, 316L).

With high-tech structural design, the diaphragm metering pump can completely isolate the flow liquid from the driver by diaphragm, and the latest PTFE and rubber composite diaphragm is adopted, which has strong corrosion resistance, thus greatly improving the service life of the diaphragm.



■ Model Example



DIAPHRAGM-TYPE METERING PUMP

Quality, Expertise, Innovation, Reliability.

Agriculture, Chemicals, Oil & Gas, Industry, Water



H Series Electronic Metering Pump

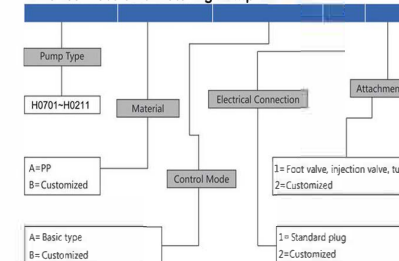
Domestic high quality parts
Easy to use and economical

Advantages and features:

- ① Plastic raw material, high strength and corrosion resistance
- ② LED display, intuitive and convenient to use.
- ③ The valve seat is made of PTFE, which is more corrosion resistant
- ④ The structure design is simple and the price is economical.

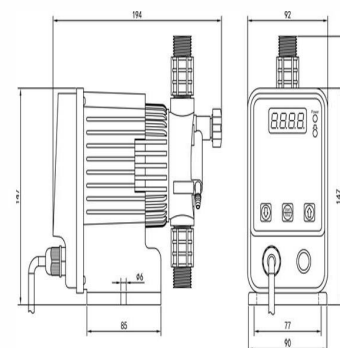


H Series Electronic Metering Pump



Installation Dimension

Unit: mm



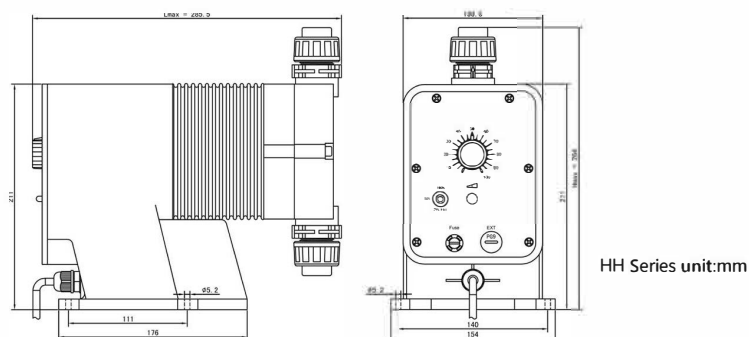
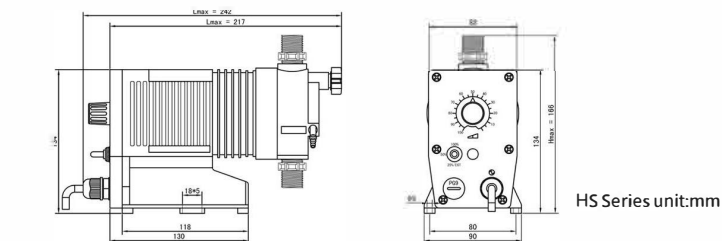
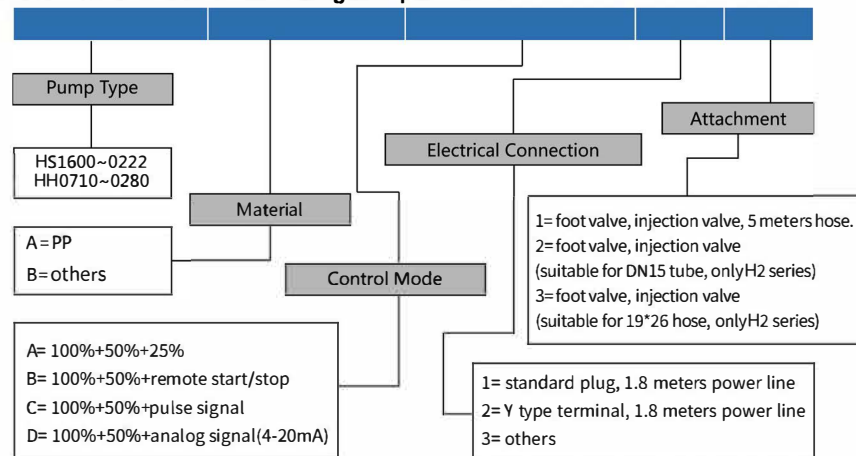
Technical Data

Model	Pressure (Bar)	Flow (L/H)	Power (W)	Connection Size
H0701	7	1	24	6*4mm
H0702	7	2	24	6*4mm
H0703	7	3	24	6*4mm
H0704	7	4	24	6*4mm
H0506	5	6	24	6*4mm
H0309	3	9	24	6*4mm
H0211	2	11	24	6*4mm

Liquid Ends Material

Component	Standard	Optional
Pumphead	PP	—
Diaphragm	PTFE	—
Valve body	PP	—
Valve ball	Ceramics	PTFE
Valve seat	PTFE	—
Valve spring	Hastelloy	—
Seals	FPM	EPDM

HS&HH Series Electronic Metering Pump



Technical Data

Model	Pressure(Bar)	Flow(L/H)	Speed(Strokes/Min)	Connection Size(Inch)
HS1600	16	0.4	60	3/8" * 1/4"
HS1601	16	0.6	90	3/8" * 1/4"
HS1602	16	0.8	120	3/8" * 1/4"
HS1200	12	0.6	90	3/8" * 1/4"
HS1201	12	0.8	120	3/8" * 1/4"
HS1202	12	1.2	180	3/8" * 1/4"
HS0803	8	3	90	3/8" * 1/4"
HS0804	8	4	120	3/8" * 1/4"
HS0806	8	6	180	3/8" * 1/4"
HS0306	3	5.5	90	3/8" * 1/4"
HS0308	3	7.3	120	3/8" * 1/4"
HS0311	3	11	180	3/8" * 1/4"
HS0211	1.5	11	90	3/8" * 1/4"
HS0215	1.5	14.5	120	3/8" * 1/4"
HS0222	1.5	22	180	3/8" * 1/4"
HH0710	7	10	60	3/8" * 1/4"
HH0715	7	15	90	3/8" * 1/4"
HH0720	7	20	120	3/8" * 1/4"
HH0416	4	16	60	3/8" * 1/4"
HH0424	4	24	90	3/8" * 1/4"
HH0432	4	32	120	3/8" * 1/4"
HH0240	1.5	40	60	DN15/19*26
HH0260	1.5	60	90	DN15/19*26
HH0280	1.5	80	120	DN15/19*26

Liquid Ends Material

Component	Standard	Optional
Pumphead	PP	—
Diaphragm	PTFE	—
Valve body	PP	—
Valve ball	CERAMICS	—
Valve seat	FPM	PTFE
Valve spring	HASTELLOY	—
Seals	FPM	EPDM

HJ-W Series Mechanical Diaphragm Dosing Pump

Main performance parameters

- ☆ Maximum flow: 60L/h
- ☆ Maximum discharge pressure: 10 bar
- ☆ Steady state accuracy ±2%
- ☆ The suction lifting height can be up to 1.5m water column
- ☆ Maximum ambient temperature: +40℃

Main characteristics

Liquid end

- ☆ The diaphragm is mechanically driven, and there is no diaphragm guard on the material side to facilitate the passage of materials
- ☆ PVC, PVDF, 316SS and other pump head materials are available, suitable for conveying various materials
- ☆ Self-cleaning check valve structure

Drive end

- ☆ Reducer drives eccentric mechanism to ensure smooth flow delivery
 - ☆ Enhanced structure design, suitable for harsh operating environment
 - ☆ Using special bearing support, grease lubrication, stable work, reliable, low noise, low maintenance cost
- Way to control

- ☆ Power supply: 380V/220V-50Hz/60Hz/three-phase/single-phase
- ☆ The motor controller controls the three-phase motor in the "on/stop" mode to adjust the output flow

Main application

- ☆ Environmental protection, petrochemical industry, chemical industry, oil refining, electric power, metallurgy, medicine, food, water treatment and other fields.

Liquid end	Pump head	Valve body	Valve seat	Ball	Diaphragm	Seal ring	Connecting
PVC	PVC	PVC	PVDF	Zirconia	PTFE composite diaphragm	Viton	PVC
PVDF	PVDF	PVDF	PVDF	Zirconia	PTFE composite diaphragm	Viton	PVDF
316SS	316SS	316SS	316SS	Zirconia	PTFE composite diaphragm	Viton	316SS

Standard configuration motor performance parameters

- ☆ Power supply: 380V/220V-50Hz/60Hz/three-phase/single-phase
- ☆ Protection level: IP54
- ☆ Insulation class: Class F
- ☆ All motors comply with IEC or NEC standards



Model definition of HJ-W series mechanical diaphragm metering pump

Series Flow Liquid end Interface Motor

Series

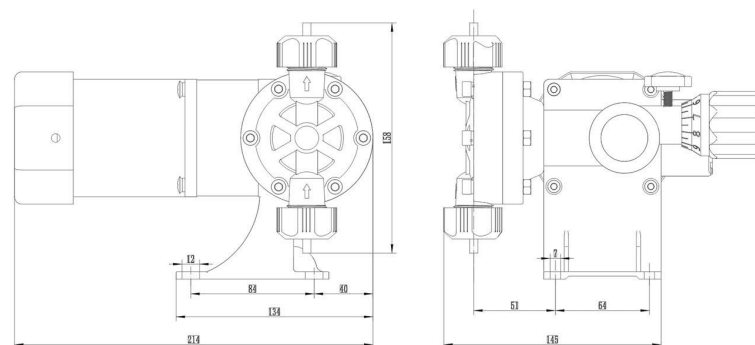
Code	Description
	Mechanical diaphragm metering pump

Flow

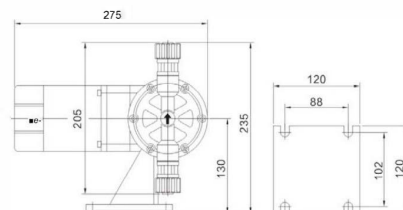
Code	Flow(L/H)	Pressure mpa	Motor power(W)
HJ-W 5/1.0	5	1.0	25
HJ-W 6/1.0	6	1.0	25
HJ-W 15/1.0	15	1.0	25
HJ-W 24/1.0	24	1.0	25
HJ-W 30/1.0	30	1.0	40
HJ-W 40/0.5	40	0.5	40
HJ-W 50/0.5	50	0.5	40
HJ-W 60/0.5	60	0.5	40

Liquid end

Code	Description	Code	Description
P	PVC liquid end	T	PVDF liquid end
S	316 liquid end	V	High viscosity application: PVC liquid end
Z	Special material hydraulic end, please specify when ordering		



HJ-L Mechanical Diaphragm Dosing Pump



• Performance Parameters

MODEL	Flow rate (L/H)	Pressure (Mpa)	Stroke (mm)	Stroke Rate (SPM)	Diaphragm diameter	Connection (mm)	Weight (KG)	Motor Power (W)
HJ-L6.5/1.0	6.5	1.0	3.0	56	65	d:φ9	7.3	40
HJ-L12/1.0	12	1.0	4.0	56		D:φ13	7.5	60
HJ-L24/1.0	24	1.0	4.0	93		PE hose		
HJ-L32/1.0	32	1.0	4.0	108				
HJ-L40/1.0	40	1.0	4.0	135	84	DN15	8.5	90
HJ-L60/1.0	60	1.0	4.0	108				
HJ-L80/0.5	80	0.5	4.0	135				
HJ-L100/0.5	100	0.5	5.0	135				
HJ-L120/0.5	120	0.5	4.0	180	94			
HJ-L150/0.3	150	0.3	5.0	180				
HJ-L180/0.3	180	0.3	5.0	180				

• Product features

- No leakage in structure
- Suitable for all kinds of acid and alkali resistant medicinal liquids.
- Can be installed on medicine trough.
- Easy installation, easy maintenance.
- High operational safety.
- When running, the liquid flow rate can be adjusted at will.



• Material

Pump Head	Diaphragm	Ball valve	valve seat, O ring
304	PTFE/EPDM	Ceramic	PTFE/EPM
PVC		304/316	EPDM

HD Mechanical Diaphragm Dosing Pump

• Product features

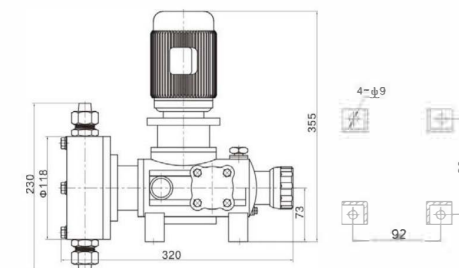
- operational safety, mechanically driven diaphragm.
- Good sealing, leak-free, simple and safe for assembly and maintenance.
- This equipment can transport high viscosity media, corrosive liquids and dangerous chemicals.
- Flow regulation can be achieved by adjusting stroke length and motor frequency.
- The diaphragm is formed by multi-layer composite structure. The first layer is super-tough Teflon acid-resistant film, the second layer is EPDM elastomer, the third layer is 3.0mm SUS304 supporting iron core, the fourth layer is reinforced nylon fiber cloth, and the fifth layer is completely covered by EPDM elastomer, which can effectively improve the service life of the diaphragm.
- The service life of the diaphragm is improved with the addition of stainless steel reinforcing plate design behind the diaphragm.
- A metering pump digital controller can be equipped to achieve local and remote control.

• Standard : pump head-PVC, Motor-380V 50Hz.

• Option: Pump Head 304、316、PTFE、

420V, 220V and 110V Motors are available.

Explosion-proof motor, frequency conversion motor;



• Performance Parameters

MODEL	Flow rate (L/H)	Pressure (Mpa)	Stroke Speed (SPM)	Motor Power (Kw)	Connections (mm)	Weight (KG)
HD 20/0.8	20	0.8	48	0.18	d:9 D:13 PE Hose	8
HD 40/0.6	40	0.6	96			
HD 60/0.6	60	0.6	48			
HD 80/0.5	80	0.5	96			
HD120/0.5	120	0.5	96	0.25	DN15	
HD180/0.5	180	0.5	144			
HD240/0.3	240	0.3	144			

HJ-Z Mechanical Diaphragm Dosing Pump

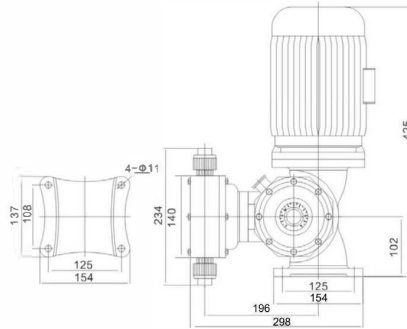
In order to meet user's needs on metering pump products, the user should provide the following parameters as far as possible when choosing and ordering:

A: Liquid F: specific gravity;
 B: Flow rate (L/H); G: Solid content;
 C: System pressure (Mpa); H: Automatic (manual) control mode;
 D: Medium temperature (°C) Q: External control signal type;
 E: Transport medium viscosity (CP);

Standard: pump head-PVC,
 motor-380V 50Hz;

•Option: Pump Head 304、316、PTFE
 420V, 220V and 110V motors
 are available.

Explosion-proof motor, frequency
 conversion motor;



• Performance Parameters

MODEL	Flow rate (L/H)	Pressure (Mpa)	Stroke Speed (SPM)	Motor Power (Kw)	Connections (mm)	Weight (KG)
HJ-Z 25/1.2	25	1.2	48	0.37	d:9 D:13 PE Hose	22
HJ-Z 50/1.2	50	1.2	48			
HJ-Z 80/1.0	80	1.0	96			
HJ-Z 120/0.7	120	0.7	96			
HJ-Z 170/0.7	170	0.7	96		DN15	
HJ-Z 240/0.7	240	0.7	96	0.55		28
HJ-Z 320/0.5	320	0.5	144			
HJ-Z 420/0.5	420	0.5	144			
HJ-Z 500/0.5	500	0.5	144		DN25	

HJ-D Mechanical Diaphragm Dosing Pump

The main parts of mechanical diaphragm metering pump are made of precision casting and numerical control processing. The structural design of the liquid receiving end ensures that the pump will not leak during operation. The material of the driving parts is sturdy and durable.

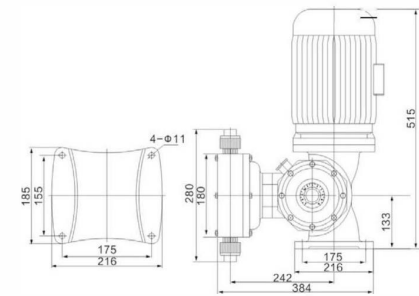
Due to the compact design, The equipment is easy to operate. Liquid flow can be easily adjusted by flow adjusting knob, and it is convenient for installation and maintenance.

Standard: Pump Head PVC Motor 380V 50Hz

Option: Pump Head 304、316、PTFE

Motor 420V、220V、110V、

EX-Proof Motor x Variable Frequency Motor



• Performance Parameters

MODEL	Flow rate (L/H)	Pressure (Mpa)	Stroke Speed (SPM)	Motor Power (Kw)	Connections (mm)	Weight (KG)
HJ-D 380/1.0	380	1.0	48	0.75	DN25	40
HJ-D 500/0.8	500	0.8	96			
HJ-D 650/0.6	650	0.6	96			
HJ-D 850/0.5	850	0.5	144	1.1		
HJ-D 1000/0.4	1000	0.4	144			
HJ-D 1400/0.3	1400	0.3	144	1.5	DN40	50
HJ-D 1800/0.3	1800	0.3	144			

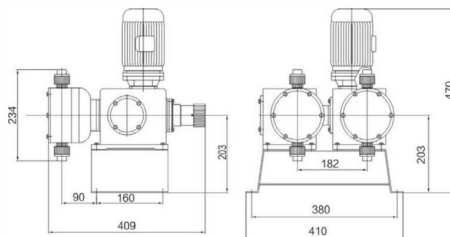
HJ-X2 Mechanical Diaphragm Dosing Pump

• Product features

- Flow Rate: 0-240L/H
- Pressure: 0-0.8MPa
- Moto Power: 370W, 220V/380V, 50/60Hz
- Motor Protection: IP54JP55

■ Material

- Pump Head: SUS304, SUS316, PVC, PTFE
- Diaphragm: PTFE
- Non-returning valve: SUS304, SUS316, PVC, PTFE
- Valve Ball: Zirconia, SUS304, SUS316, ceramic



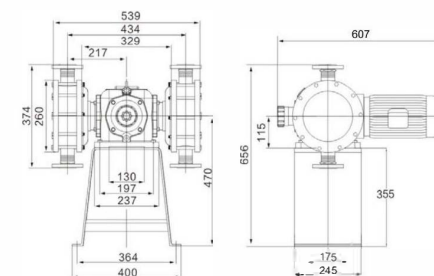
• Performance Parameters

MODEL	Flow rate (L/H)	Pressure (Mpa)	Stroke Speed (SPM)	Motor Power (Kw)	Connections (mm)	Weight (KG)
HJ-X2 50/1.2	50	1.2	48	0.37	ø 9 D:13 PE Hose	30
HJ-X2 100/1.0	100	1.0				
HJ-X2 160/0.7	160	0.7				
HJ-X2 240/0.6	240	0.6	96		DN15	
HJ-X2 350/0.4	350	0.4				
HJ-X2 480/0.4	480	0.4				

HJ-D2 Mechanical Diaphragm Dosing Pump

Standard: Pump Head PVC Motor 380V 50Hz

- Option: Pump Head 304, 316, PTFE,
Motor 420V, 220V, 110V
EX-Proof Motor, Variable Frequency Motor



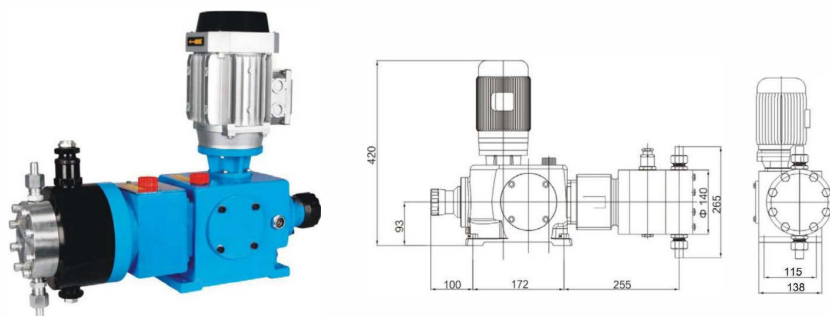
• Performance Parameters

MODEL	Flow rate (L/H)	Pressure (Mpa)	Stroke Speed (SPM)	Motor Power (Kw)	Connections (mm)	Weight (KG)
HJ-D2 1300/0.5	1300	0.5	127	1.5	DN25	70
HJ-D2 1700/0.5	1700	0.5				
HJ-D2 2000/0.4	2000	0.4				
HJ-D2 2800/0.3	2800	0.3	155		DN40	75
HJ-D2 3600/0.3	3600	0.3				
HJ-D2 4800/0.3	4800	0.3				
HJ-D2 6000/0.2	6000	0.2				

HY-X Hydraulic Metering

Pump

- Standard: Pump Head 304 Motor 380V 50Hz
- Option: Pump Head 316、EX—Proof Motor、Variable Frequency Motor
Motor 420V、220V、110V

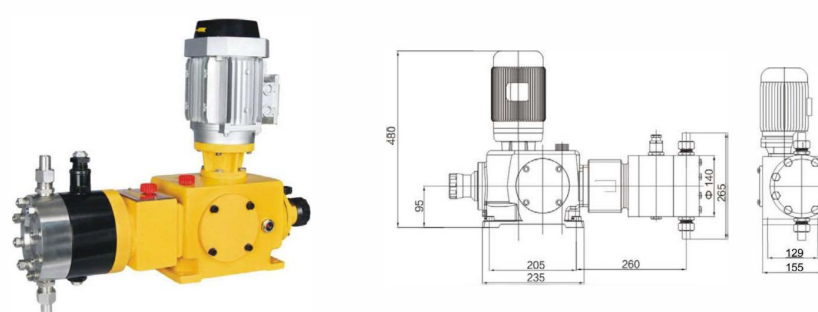


• Performance Parameters

MODEL	Flow rate (L/H)	Motor Power		Plunger diameter (mm)	Stroke length (mm)	Stroke Rate (SPM)	Connections (mm)	Weight (KG)
		0.37kw	0.55kw					
		Pressure (Mpa)						
HY-X 7/18(12)	7	12	18	10	20	96/144	6 pipe sleeves	37
HY-X 10/14(9.0)	10	9.0	14	12				
HY-X 20/7.6(5.4)	20	5.4	7.6	16				
HY-X 35/6.8(5)	35	5	6.8	20				
HY-X 50/5.5(3)	50	3	5.5	25				
HY-X 80/3.5(2.2)	80	2.2	3.5	28				
HY-X 135/2.5(1.7)	135	1.7	2.5	32				
HY-X 160/1.6(1.1)	160	1.1	1.6	35				
HY-X 180/1.3(0.9)	180	0.9	1.3	38				15 pipe sleeves

HY-Z Hydraulic Metering Pump

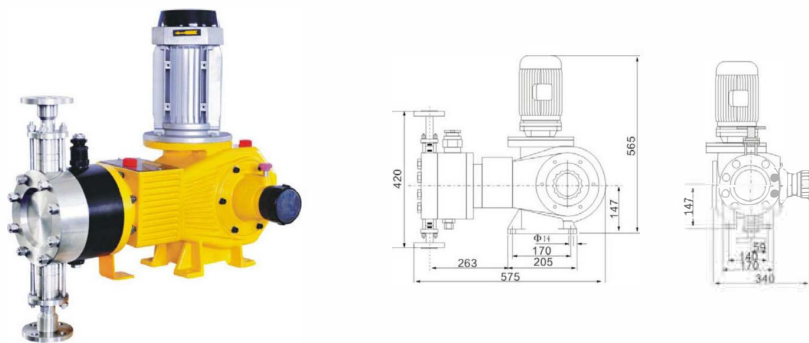
- Standard: Pump Head 304 Motor 380V 50Hz
- Option: Pump Head 316、EX-Proof Motor、Variable Frequency Motor
Motor 420V、220V、110V



• Performance Parameters

MODEL	Flow rate (L/H)	Motor Power		Plunger diameter (mm)	Stroke length (mm)	Stroke Rate (SPM)	Connections (mm)	Weight (KG)		
		0.55kw	0.75kw							
		Pressure(Mpa)								
HY-Z 10/20(15)	10	15	20	12	25	96/144	6 pipe sleeves	74		
HY-Z 15/20(15)	15	15	20	12						
HY-Z 22/10(8.0)	22	8.0	10	16						
HY-Z 35/10(8.0)	35	8.0	10	16						
HY-Z 40/7.2(5.4)	40	5.4	7.2	20						
HY-Z 70/6.0(4.5)	70	4.5	6.0	22			25	96/144	10 pipe sleeves	82
HY-Z 90/4.5(3.5)	90	3.5	4.5	25						
HY-Z 135/3.2(2.4)	135	2.4	3.2	30						
HY-Z 100/2.8(2.0)	100	2.0	2.8	32						
HY-Z 150/2.8(2.0)	150	2.0	2.8	32						
HY-Z 200/2.2(1.6)	200	1.6	2.2	36	25	96/144	15 flange	90		
HY-Z 240/1.8(1.3)	240	1.3	1.8	40						
HY-Z 300/1.4(1.0)	300	1.0	1.4	45						
HY-Z 400/1.1(0.8)	400	0.8	1.1	50						

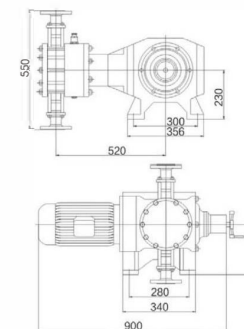
HY-ZR Hydraulic Metering Pump



• Performance Parameters

MODEL	Flow rate (L/H)	Motor Power		Plunger diameter (mm)	Stroke length (mm)	Stroke Rate (SPM)	Connections (mm)	Weight (KG)
		1.1kw	1.5kw					
		Presfssure(Mpa)						
HY-ZR 28/22(16)	28	16	22	16	30	87/132	Pipe sleeve welding	140
HY-ZR 45/20(14)	45	14	20	20				
HY-ZR 58/18(12)	58	12	18	22				
HY-ZR 75/12(8)	75	8	12	25				
HY-ZR 125/8.5(6.3)	125	6.3	8.5	32			Pipe sleeve welding	155
HY-ZR 160/6.5(4.2)	160	4.2	6.5	36				
HY-ZR 200/5.6(3.6)	200	3.6	5.6	40				
HY-ZR 250/4.5(3.0)	250	3.0	4.5	45				
HY-ZR 320/3.5(2.8)	320	2.8	3.5	50			RF flange	162
HY-ZR 380/2.8(2.0)	380	2.0	2.8	55				
HY-ZR 460/2.4(1.6)	460	1.6	2.4	60				
HY-ZR 580/1.8(1.2)	580	1.2	1.8	60				
HY-ZR 700/1.6(1.0)	700	1.0	1.6	60				
HY-ZR 780/1.2(0.8)	780	0.8	1.2	65	RF flange	120		
HY-ZR 900/0.9(0.5)	900	0.5	0.9	75				
HY-ZR 1000/0.8(0.5)	1000	0.5	0.8	80				
HY-ZR 1200/0.7(0.4)	1200	0.4	0.7	85				
HY-ZR 1350/0.6(0.3)	1350	0.3	0.6	90	RF flange			
HY-ZR 1500/0.5(0.3)	1500	0.3	0.5	95				

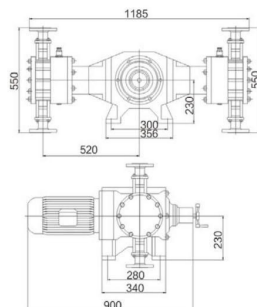
HY-D Hydraulic Metering Pump



• Performance Parameters

MODEL	Flow rate (L/H)	Pressure (Mpa)	Stroke length (MM)	Stroke Rate (SPM)	Motor Power (KW)	Plunger diameter (mm)	Connections (mm)	Weight (KG)
HY-D 45/40	45	40	40	127	4	16	10	210
HY-D 45/30	45	30			3	16		
HY-D 70/28	70	28			4	20		
HY-D 70/20	70	20			3	20		
HY-D 105/28	105	28			4	20	15	
HY-D 105/20	105	20			3	20		
HY-D 165/18	165	18			4	25		
HY-D 165/13	165	13			3	25		
HY-D 270/11	270	11			4	32	20	
HY-D 270/8	270	8			3	32		
HY-D 320/10	320	10		4	35	25		
HY-D 320/7	320	7		3	35			
HY-D 420/6.8	420	6.8		4	40		30	
HY-D 420/5.5	420	5.5		3	40			
HY-D 550/5.8	550	5.8		4	45	35		
HY-D 550/4.2	550	4.2		3	45			
HY-D 680/4.5	680	4.5		4	50		40	
HY-D 680/3.5	680	3.5		3	50			
HY-D 820/3.8	820	3.8		4	55	45		
HY-D 820/2.8	820	2.8		3	55			
HY-D 1000/3	1000	3	4	60	50			
HY-D 1000/2.2	1000	2.2	3	60				
HY-D 1180/2.5	1180	2.5	4	65		55		
HY-D 1180/2	1180	2	3	65				
HY-D 1350/2.3	1350	2.3	4	70	60			
HY-D 1350/1.6	1350	1.6	3	70				
HY-D 1580/2	1580	2	4	75		65		
HY-D 2000/1.5	2000	1.5	4	85				
HY-D 2000/1.0	2000	1	3	85	70			
HY-D 2300/1.3	2300	1.3	4	90				
HY-D 2300/0.8	2300	0.8	3	90		75		
HY-D 2800/1	2800	1	4	100				
HY-D 3500/0.8	3500	0.8	4	110				

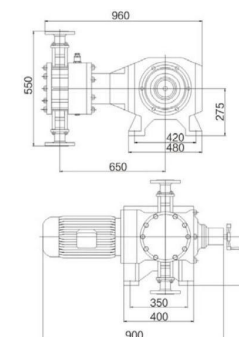
HY-D2 Hydraulic Metering Pump



• Performance Parameters

MODEL	Flow rate (L/H)	Pressure (Mpa)	Stroke length (mm)	Stroke Rate (SPM)	Motor Power (Kw)	Plunger diameter (mm)	Connections (mm)	Weight (KG)
HY-D2 90/40	90	40	40	127	4	16	10	280
HY-D2 90/30	90	30			3	16		
HY-D2 140/28	140	28			4	20		
HY-D2 140/20	140	20			3	20		
HY-D2 210/28	210	28		155	4	20	15	
HY-D2 210/20	210	20			3	20		
HY-D2 330/18	330	18			4	25		
HY-D2 330/13	330	13			3	25		
HY-D2 540/11	540	11			4	32		
HY-D2 540/8	540	8			3	32		
HY-D2 640/10	640	10			4	35	20	
HY-D2 640/7	640	7			3	35		
HY-D2 840/6.8	840	6.8			4	40		
HY-D2 840/5.5	840	5.5			3	40		
HY-D2 1100/5.8	1100	5.8			4	45	25	
HY-D2 1100/4.2	1100	4.2			3	45		
HY-D2 1360/4.5	1360	4.5			4	50		
HY-D2 1360/3.5	1360	3.5			3	50		
HY-D2 1640/3.8	1640	3.8			4	55	40	
HY-D2 2000/3	2000	3			3	60		
HY-D2 2360/2.5	2360	2.5			4	65		
HY-D2 2700/2.3	2700	2.3			3	70		
HY-D2 3160/2	3160	2			4	75	40	
HY-D2 3600/1.8	3600	1.8			3	80		
HY-D2 4000/1.5	4000	1.5			4	85		
HY-D2 4600/1.3	4600	1.3			3	90		
HY-D2 5600/1	5600	1			4	100		
HY-D2 7000/0.8	7000	0.8			4	110		

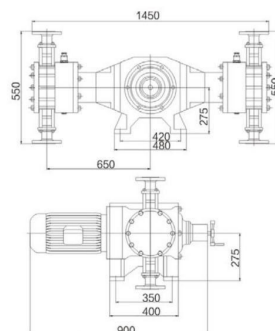
HY-T Hydraulic Metering Pump



• Performance Parameters

MODEL	Flow rate (L/H)	Pressure (Mpa)	Stroke length (mm)	Stroke Rate (SPM)	Motor Power (Kw)	Plunger diameter (mm)	Connections (mm)	Weight (KG)
HY-T 185/50	185	50	60	127	11	25	15	550
HY-T 300/35	300	35				30		
HY-T 400/25	400	25				35	20	
HY-T 540/20	540	20				40		
HY-T 680/15	680	15				45	25	
HY-T 850/12	850	12				50		
HY-T 1000/10	1000	10				55		
HY-T 1250/8.5	1250	8.5				60	40	
HY-T 1450/8	1450	8				65		
HY-T 1700/6.3	1700	6.3				70		
HY-T 1950/5.5	1950	5.5				75	50	
HY-T 2250/5	2250	5				80		
HY-T 2550/4.3	2550	4.3				85		
HY-T 2850/3.8	2850	3.8				90	65	
HY-T 3200/3.5	3200	3.5				95		
HY-T 3500/3.1	3500	3.1				100		
HY-T 3800/2.8	3800	2.8				105		
HY-T 4200/2.6	4200	2.6				110	80	
HY-T 5000/2.2	5000	2.2				120		
HY-T 5800/1.8	5800	1.8				130		
HY-T 6800/1.6	6800	1.6				140		
HY-T 7850/1.4	7850	1.4				150	80	
HY-T 9000/1.2	9000	1.2				160		
HY-T 10000/1.0	10000	1.0				170		
HY-T 11500/0.8	11500	0.8				180		

HY-T2 Hydraulic Metering Pump



• Performance Parameters

MODEL	Flow rate (L/H)	Pressure (Mpa)	Stroke length (mm)	Stroke Rate (SPM)	Motor Power (Kw)	Plunger diameter (mm)	Connections (mm)	Weight (KG)
HY-T2 240/50	240	50	60	127	11	20	15	650
HY-T2 370/40	370	40				25		
HY-T2 600/35	600	35				30		
HY-T2 800/25	800	25				35		
HY-T2 1080/20	1080	20				40		
HY-T2 1360/15	1360	15				45		
HY-T2 1700/12	1700	12				50		
HY-T2 2000/10	2000	10				55		
HY-T2 2500/8.5	2500	8.5				60	25	
HY-T2 2900/8	2900	8				65		
HY-T2 3100/6.3	3100	6.3				70		
HY-T2 3900/5.5	3900	5.5				75		
HY-T2 4500/5	4500	5				80		
HY-T2 5100/4.3	5100	4.3				85		
HY-T2 5700/3.8	5700	3.8				90		
HY-T2 6400/3.5	6400	3.5				95		
HY-T2 7000/3.1	7000	3.1				100		
HY-T2 7600/2.8	7600	2.8				105		
HY-T2 8400/2.6	8400	2.6				110		
HY-T2 9200/2.5	9200	2.5				115	32	
HY-T2 10000/2.2	10000	2.2				120		
HY-T2 11000/2	11000	2				125		
HY-T2 11600/1.8	11600	1.8				130		
HY-T2 12800/1.7	12800	1.7				135		
HY-T2 13600/1.6	13600	1.6	140					
HY-T2 14800/1.5	14800	1.5	145					
HY-T2 15700/1.4	15700	1.4	150					
HY-T2 18000/1.2	18000	1.2	160	40				
HY-T2 20000/1.0	20000	1.0	170					
HY-T2 23000/0.8	23000	0.8	180					

Double Diaphragm Rupture Alarm



Double Diaphragm Rupture Alarm

■ Product features:

- Moving-free sealing design, leak-free and convenient maintenance.
- The maximum working pressure can be up to 30 MPa, and the measurement accuracy is (+1%).
- The metering accuracy is better than that of mechanical diaphragm pump, and the sealability is better than that of plunger pump.
- Flow control is implemented by adjusting stroke length or adjusting speed with frequency converter, which may also implemented by remote automatic control.
- Medium temperature should not be higher than 100 °C and lower than - 20°C, otherwise it will affect the service life of the diaphragm.
- With the utilization of advanced overload, limit and oil-replenishing three-valve mechanism, it can not only ensure sufficient hydraulic oil in the hydraulic chamber, but also avoid excessive oil replenishment and prevent hydraulic impact, so as to balance the forces on both sides of the diaphragm, improve the service life of the diaphragm, and increase the service life of the diaphragm to more than 8000 hours.
- When transporting special medium, double-diaphragm with diaphragm rupture alarm system can be chosen to prevent the accident caused by the mixture of medium and hydraulic oil when diaphragm rupture occurs.
- Digital controller is available for the metering pump with power below 0.75KW(including 0.75KW) to realize digitalized local and remote control. It is suitable for ordinary normal temperature water and other liquids even with strong corrosion, volatile, easy crystallization, flammable, explosive, highly toxic, corrosive, radioactive or valuable characteristics. It can also transport suspensions. In order to prevent accidents caused by the mixture of medium and hydraulic oil in case of diaphragm rupture, metering pump with double-diaphragm and diaphragm rupture alarm system can be chosen for the transportation of inflammable, explosive, highly toxic and valuable liquids.