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METERING PUMP



LIGAO

ZHEJIANG LIGAO PUMP TECHNOLOGY CO.,LTD

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CE ISO9001 ISO14001

TRUSTWORTHY PUMP MADE BY LIGAO HIGH PERFORMANCE DOSING EQUIPMENT



Zhejiang Ligao Pump Technology Co.,Ltd. is a high-tech enterprise established in 2003, specializing in development, production and sales of metering pumps, rotary lobe pumps, packaged dosing systems, air diaphragm pumps and other pump accessories. Our metering pumps cover solenoid diaphragm metering pump, mechanical diaphragm metering pumps, plunger metering pump, hydraulic diaphragm metering pump. Our pumps are widely used in different fields: water treatment, chemical processing, petrochemical industry, food industry, water plants, pharmaceutical industry, and so on. We have obtained more than 30 patents, including invention patents and utility patents. Our company and products are certified by US API Spec.Q1-9th, ISO9001: 2015, ISO14001: 2004, OHSAS18001: 2007, and the European Union CE.

Professional Metering Pump Manufacturer



Vision: to become a hundred year enterprise with social respect, customer trust, employee satisfaction

Mission: innovation for customers' interests

Concept: integrity, innovation, cooperation and efficiency

Values: Make every pump well for customer

JLM Series

Effective and reliable digital pump, manually controlled by stroke speed.

Application:

- Potable water treatment: Metering of disinfectants
- Cooling circuits: Metering of corrosion inhibitors and biocides
- Waste water treatment: Metering of flocculants
- Paper industry: Metering of additives
- Plastics production: Metering of additives

Features:

- Wear-free solenoid driving with no bearing
- Compact modular design(liquid end, drive and electronic board are modular, easy for replacement)
- Intelligent display the stroke speed in percentage
- Check valve assemblies are with two balls and designed for easy maintenance
- Accessories are included: hose, injection valve, foot valve, ceramic weight

Materials:

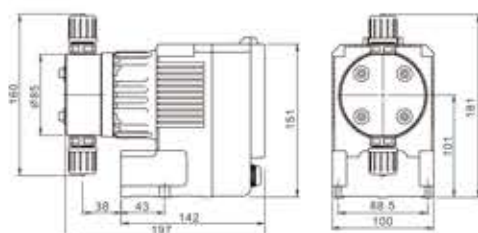
- Pump Head: PVC, PVDF, SS304, SS316
- Diaphragm: PTFE
- Valves: Same as pump head selection
- Valve Ball: Ceramic
- Suction and discharge tube: PE pipe

Connection Type:

- PE hose for all materials pump head selection

Supply Voltage:

- 220v 50/60hz or 110v 50/60hz



PVDF



SS

Parameter Table

Model	50/60Hz					Diaphragm Dia.(mm)	Power KW(HP)	Connection Size
	Flow (lph)	Pressure (Bar)	Flow (gph)	Pressure (Psi)	SPM			
JLM0110	1.0	10	0.3	145	120	34	28W	5*8mm
JLM0408	3.8	7.6	1.0	110	180	41		
JLM0505	5.0	5.0	1.3	73				
JLM0804	7.6	3.5	2.0	51				
JLM1002	10	2.0	2.6	29				
JLM1202	12	1.5	3.2	22				
JLM1501	15	1.0	4.0	15	52			

JLM-S Series

New designed digital pump with an advanced microprocessor control board
Big LED screen displays instant flow rate and accumulated flow for easy reading

Application:

- Potable water treatment: Metering of disinfectants
- Cooling circuits: Metering of corrosion inhibitors and biocides
- Waste water treatment: Metering of flocculants
- Paper industry: Metering of additives
- Plastics production: Metering of additives

Features:

- Flow manually controlled by stroke rate
- Automatic analog input control: available with 4-20mA signal
- Automatic pulse input control: pulse input with multiply and divide capability
- RS485 communication interface: single pump or a couple of pumps connected to and controlled by computer
- External remote control for start/stop: pump can be connected to level indicator for automatically start/stop the pump

Materials:

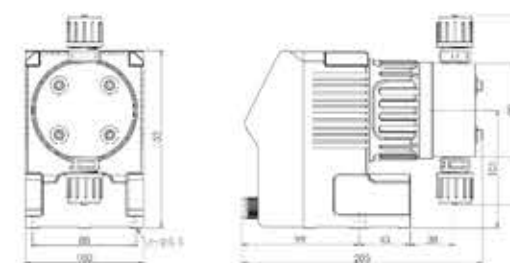
- Pump Head: PVC, PVDF, SS304, SS316
- Diaphragm: PTFE
- Valves: Same as pump head selection
- Valve Ball: Ceramic
- Suction and discharge tube: PE pipe

Connection Type:

- PE hose for all materials pump head selection

Supply Voltage:

- 220v 50/60hz or 110v 50/60hz



Parameter Table

Model	50/60Hz					Diaphragm Dia.(mm)	Power KW(HP)	Connection Size
	Flow (lph)	Pressure (Bar)	Flow (gph)	Pressure (Psi)	SPM			
JLM-S0110	1.0	10	0.3	145	110	34	30W	5*8mm
JLM-S0408	3.8	7.6	1.0	110	130	41		
JLM-S0607	6.3	6.8	1.7	99	160			
JLM-S0805	8.0	5.0	2.1	73	170			
JLM-S1204	12	4.0	3.2	58	150	52		
JLM-S1502	15	2.0	4.0	29	170			
JLM-S2001	20	1.0	5.3	15	180			



JBB Series

Motor Driven Mechanical Diaphragm Metering Pump

Features:

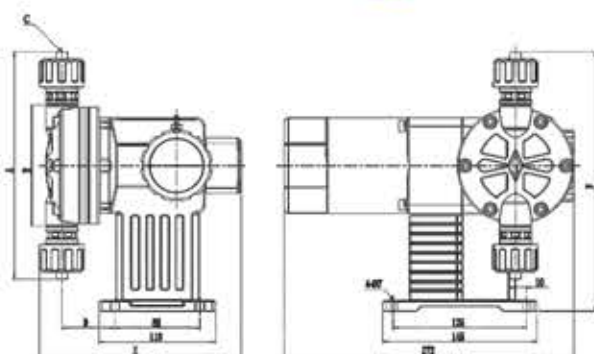
- Compact and simple design
- Multilayer composite PTFE diaphragm, long service life
- Reinforced plate design after the diaphragm
- Flow adjustment manually controlled by the micrometer
- Fluid max temperature: 70°C(158°F)

Materials:

- Pump Head: PVC, PTFE, SS304, SS316
- Diaphragm: PTFE
- Valves: Same as pump head selection
- Valve Ball: Ceramic

Optional Voltage:

- DC powered motor 12V or 24V is available



Unit: mm

Model	A	B	C	D	E
JBB10-40	174	94	6	39	163
JBB 60-130	207	114	10	41	172

Parameter Table

Model	50Hz			60Hz			Pressure		Diaphragm Dia.(mm)	Power KW(HP)
	Flow (lph)	Flow (gph)	SPM	Flow (gph)	Flow (lph)	SPM	Bar	Psi		
JBB15/1.0	15	3.9	100	4.7	18	120	10	145	60	60W
JBB25/1.0	25	6.6	100	7.9	30	120	10	145		
JBB40/0.7	38	10	150	12	46	180	7.0	102		
JBB60/0.6	60	16	100	19	72	120	6.0	87	84	
JBB80/0.5	80	21	100	25	96	120	5.0	73		
JBB100/0.4	100	26	150	32	120	180	4.0	58		
JBB130/0.4	130	34	150	41	156	180	4.0	58		

Connection

Model	PVC	PTFE	SS
JBB15-JBB40	6.5x10mm PE hose	RC 1/2" F 8x14mm welding union	
JBB60-JBB130	DN15 glue union	RC 1/2" F 10x16mm welding union	



GM



GB



GB-S

G Series

G series is robust and reliable motor driven metering diaphragm pumps. The stroke length can be adjusted to alter capacity of this pump. Two non-return valves prevent the feeding chemical from flowing back during pumping. Each pump with the reinforced plate is to protect the diaphragm. LIGAO G series pumps are very durable for processing all kinds of chemicals with wide flow rate range.

Specification:

- Capacity up to 3600 lph (951gph) under 50Hz
- Pressure up to 10 bars (145psi)
- Processing Temperature: from 0-70°C (32-158°F)
- Stroke Adjustment: 0-100%
- Suction Lift: 1.5m
- Accuracy: ±2% of set point

Materials:

- Pump Head: PVC, PTFE, SS304, SS316
- Diaphragm: PTFE
- Valves: Same as pump head selection
- Valve Ball: Ceramic



SS Head, in NPT or PT Standard.



SS Head



PTFE Head, Flange Connection Type



GM

Parameter Table

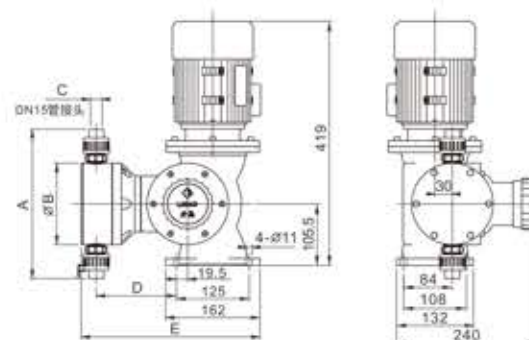
Model	50Hz			60Hz			Pressure		Diaphragm Dia.(mm)	Power KW(HP)
	Flow (lph)	Flow (gph)	SPM	Flow (gph)	Flow (lph)	SPM	Bar	Psi		
GM 25/1.0	25	6.6	48	7.9	30	58	10	145	60	0.37(0.5)
GM 50/1.0	50	13	96	16	60	115	10	145		
GM 80/0.7	80	21	48	25	96	58	7	102		
GM 120/0.7	120	32	48	38	144	58	7	102		
GM 170/0.7	170	45	96	54	204	115	7	102		
GM 240/0.5	240	63	96	76	288	115	5	73	112	
GM 320/0.5	320	84	144	101	384	173	5	73		
GM 420/0.5	420	111	144	133	504	173	5	73		
GM 500/0.5	480	127	144	152	576	173	5	73		

Connection

Model	PVC	PTFE	SS
GM25	6.5x10mm PE hose	RC1/2" F	8x14mm, union for welding
GM50	DN15 glue union	RC1/2" F	8x14mm, union for welding
GM80-GM120	DN15 glue union	RC1/2" F	10x16mm, union for welding
GM170-GM500	DN15 glue union	RC 3/4" F	15x22mm, union for welding

Unit: mm

Model	A	B	C	D	E
GM25	172	94	6	128	285
GM50-500	256	140	DN15	137.5	312



GB

Parameter Table

Model	50Hz			60Hz			Pressure		Diaphragm Dia.(mm)	Power KW(HP)
	Flow (lph)	Flow (gph)	SPM	Flow (gph)	Flow (lph)	SPM	Bar	Psi		
GB 380/0.6	380	100	48	120	456	58	6	87	148	0.75(1.0)
GB 500/0.6	500	132	96	159	600	115	6	87		
GB 650/0.6	650	172	96	206	780	115	6	87		
GB 850/0.5	850	225	144	269	1020	173	5	73		
GB1000/0.4	1000	264	144	317	1200	173	4	58		
GB1200/0.3	1200	315	144	378	1440	173	3	44	185	1.1(1.5)
GB1500/0.3	1500	394	144	472	1800	173	3	44		
GB1800/0.3	1800	476	144	571	2160	173	3	44		

Connection

Model	PVC	PTFE	SS
GB380-GB1000	DN25 glue union	DN25 PVC Flange	RC 1" F
GB1400-GB1800	DN40 glue union	DN40 PVC Flange	RC 1.5" F

Unit: mm

Model	A	B	C	D	E	F
GB380-800	318	180	32/DN25	187.5	414	492
GB1000	318	180	32/DN25	187.5	414	512
GB14						



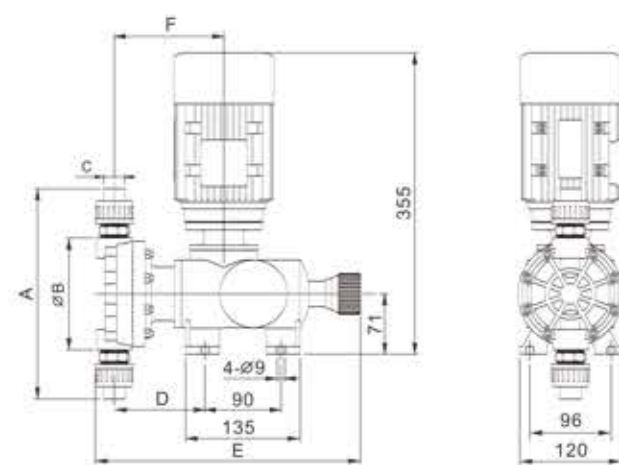
KD

Parameter Table

Model	50Hz			60Hz			Diaphragm Dia.(mm)	Power KW
	Flow (lph)	Pressure (Bar)	SPM	Flow (gph)	Pressure (psi)	SPM		
KD 15/0.8	15	8	48	4.7	116	58	60	0.18
KD 20/0.8	20	8	48	6	116	58		
KD 40/0.8	40	8	96	12	116	115		
KD 60/0.6	60	6	48	18	87	58	95	
KD 80/0.6	80	6	96	25	87	115		
KD 120/0.5	120	5	96	37	73	115		
KD 180/0.5	180	5	144	56	73	173		

Connection

Model	PVC	PTFE	SS
KD 15/0.8-KD 40/0.8	6.5x10mm PE hose	RC 1/2" F	8x14mm welding for union
KD 60/0.6-KD 180/0.5	DN15 glueunion		10x16mm welding for union



Unit: mm

Model	A	B	C	D	E	F
KD20-40	192	93	Φ6.5PE hose	101	306	124
KD60-120	248	132	DN15	106.5	312.5	129

Digital Controller

- Instant and cumulative flow display
- Easy for operation
- Digital frequency control
- Periodly medium adding with rated flow
- Level sensor function
- Can be connected to computer or PLC
- Can receive 4~20mA and hall signal
- Failure warning function

Supply power (standard): 220V, single phase, 50/60 hz



JSX



2J-X



JSZ



JSR



JSD



JDR



J-T

Plunger Pumps

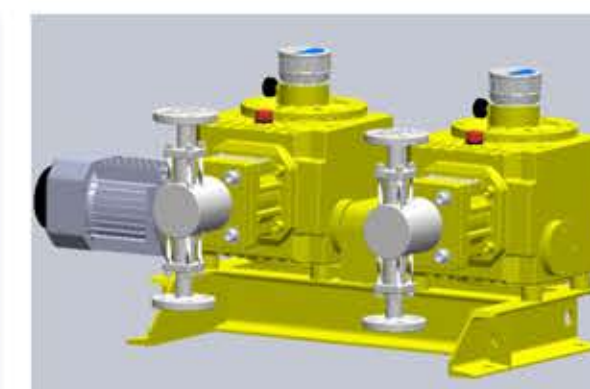
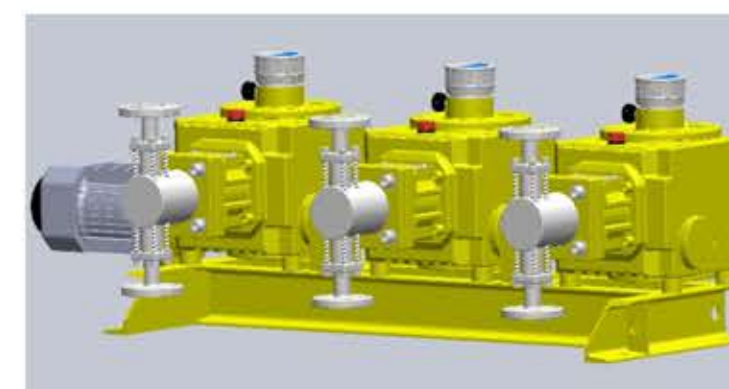
LGP plunger pump is designed for high pressure and heavy-duty applications. All LGP plunger pumps are push and pull design. Unlike loss motion pumps, LGP plunger pumps are without spring. The plunger makes harmonic motion by the crankshaft.

Features:

- Flow rate can be adjusted via unique adjusting mechanism from 0-100%
- The adjustment can be carried when pump is in operation or at stop
- The steady accuracy is $\pm 1\%$ from 30%-100% of the maximum output
- Automatic operation is achieved by variable speed drive
- Special application for high temperature or low temperature is available with cooling jacket or heating jacket

Materials:

- Pump Head: SS304, SS316
- Pump Case: Cast Iron
- Plunger: Ceramic or SS316 coated with ceramic
- Packing Seal: PTFE and SS316 Ring
- Valves: SS304, SS316
- Valve Balls: SS304, SS316, Ceramic



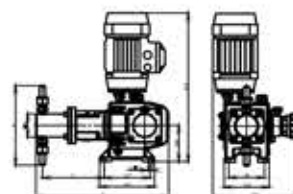
Multiplex drive unit is available for model JSZ,JSR,JSD,JDR



JSX Series

Unit: mm

Model	A	B	C	D
JSX 2-5	199	58	160.5	357
JSX 8-25	199	58	166.5	363
JSX 40-85	220	64	170.5	367
JSX 100-200	225	69	170.5	367



• Parameter Table

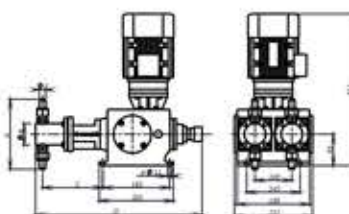
Model	50Hz			60Hz			Pressure		Plunger Dia. (mm)	Stroke Length (mm)	Power KW(HP)	Inlet&Outlet Size	Connection Size
	Flow (lph)	Flow (gph)	SPM	Flow (lph)	Flow (gph)	SPM	(Bar)	(Psi)					
JSX 2/40	2	0.5		0.6	2.4		400	5800	6				6*12mm (union for welding)
JSX 3/32	3	0.8		1.0	3.6		320	4640	8			DN6	
JSX 5/20	5	1.3		1.6	6.0		200	2900	10				
JSX 8/14	8	2.1		2.5	9.6		140	2030	12			DN8	8*14mm (union for welding)
JSX 15/7.6	15	4.0		4.8	18		76	1102	16				
JSX 25/5.0	25	6.6	80	7.9	30	96	50	725	20				
JSX 40/3.2	40	11		13	48		32	464	25	20	0.37(0.5)		
JSX 50/2.5	50	13		16	60		25	363	28				
JSX 70/2.0	70	18		22	84		20	290	32			DN10	10*16mm (union for welding)
JSX 85/1.6	85	22		27	102		16	232	35				
JSX 100/1.3	100	26		32	120		13	189	38				
JSX 125/1.0	125	33		40	150		10	145	42				
JSX 150/1.3	150	40		48	180		13	189	38				
JSX 200/1.0	195	52	120	62	234	144	10	145	42				



2J-X Series

Unit: mm

Model	A	B	C	D
2J-X 5-60	192	58	166/178*	449/461*
2J-X 100	198	64	176/188*	459/471*
2J-X 130	198	64	176	459
2J-X 160	203	69	176	459
2J-X 200-300	203	69	176	459



• Parameter Table

Model	50Hz			60Hz			Pressure		Plunger Dia. (mm)	Stroke Length (mm)	Power KW(HP)	Inlet&Outlet Size	Connection Size
	Flow (lph)	Flow (gph)	SPM	Flow (lph)	Flow (gph)	SPM	(Bar)	(Psi)					
2J-X 5/40	5	1.3		1.6	6		400	5580	6				6*12mm (union for welding)
2J-X 8/32	8	2.1		2.5	10		320	4640	8			DN6	
2J-X 16/20	16	4.2		5.1	19		200	2900	10				
2J-X 25/14	25	6.6		7.9	30		140	2030	12			DN8	8*14mm (union for welding)
2J-X 40/5.4	40	11		13	48		54	783	16				
2J-X 60/3.5	60	16	96	19	72	115	35	508	20				
2J-X 100/2.2	100	26		32	120		22	319	25	20	0.37(0.5)		
2J-X 130/1.7	130	34		41	156		17	247	28				
2J-X 160/1.3	160	42		51	192		13	189	32			DN10	10*16mm (union for welding)
2J-X 200/1.0	200	53		63	240		10	145	35				
2J-X 250/0.8	250	66		79	300		8	116	38				
2J-X 300/0.6	300	79		95	360		6	87	42				

JSZ Series

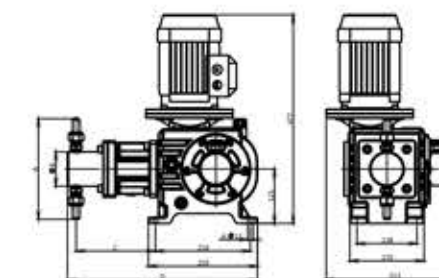


• Parameter Table

Model	50Hz			60Hz			Pressure		Plunger Dia. (mm)	Stroke Length (mm)	Power KW(HP)	Inlet&Outlet Size	Connection Size
	Flow (lph)	Flow (gph)	SPM	Flow (lph)	Flow (gph)	SPM	(Bar)	(Psi)					
JSZ 6/40	6	1.6		1.9	7.2		400	5800	8				8*14mm (union for welding)
JSZ 10/25	10	2.6		3.2	12		250	3625	10			DN8	
JSZ 15/20	15	4.0		4.8	18		200	2900	12				
JSZ 25/10	25	6.6		7.9	30		100	1450	16				
JSZ 40/6.3	40	11		13	48		63	914	20				
JSZ 65/4.5	65	17		21	78		45	653	25				
JSZ 80/3.6	80	21	96	25	96	115	36	522	28				
JSZ 110/2.8	110	29		35	132		28	406	32	25	0.75(1)	DN10	10*16mm (union for welding)
JSZ 130/2.3	130	34		41	156		23	334	35				
JSZ 160/2.0	160	42		51	192		20	290	38				
JSZ 190/1.6	190	50		60	228		16	232	42				
JSZ 210/1.4	210	55		66	252		14	203	45				
JSZ 270/1.1	270	71		86	324		11	160	50				
JSZ 330/0.9	330	87		105	396		9	131	55			DN15	15*22mm (union for welding)
JSZ 400/0.8	400	106		127	480		8	116	60				
JSZ 500/0.9	500	132	144	159	600	173	9	131	55				
JSZ 600/0.6	600	159		190	720		6	87	60				

Unit: mm

Model	A	B	C	D
JSZ 6-15	207	61	173	427
JSZ 25	207	61	176	430
JSZ 40	213	67	176	430
JSZ 65-80	219	67	176	430
JSZ 110-160	219	67	182	436
JSZ 190	231	79	182	436
JSZ 270	231	79	186	444
JSZ 330-600	243	91	192	450



JSR Series

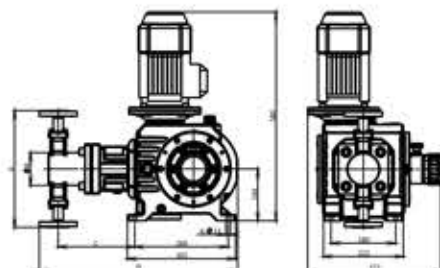


• Parameter Table

Model	50Hz			60Hz			Pressure		Plunger Dia. (mm)	Stroke Length (mm)	Power KW(HP)	Inlet&Outlet Size	Connection Size
	Flow (lph)	Flow (gph)	SPM	Flow (lph)	Flow (gph)	SPM	(Bar)	(Psi)					
JSR 6/50	6.5	1.7		2.1	7.8		500	7250	8				
JSR 16/40	16	4.2		5.1	19		400	5800	12				
JSR 30/22	30	7.9		9.5	36		220	3190	16				
JSR 50/14	50	13		16	60		140	2030	20				
JSR 80/9.0	80	21		25	96		90	1305	25				
JSR 100/7.5	100	26		32	120		75	1088	28				
JSR 130/5.6	130	34		41	156		56	812	32				
JSR 160/4.8	160	42		51	192		48	696	35				
JSR 190/4.0	190	50	96	60	228	115	40	580	38				
JSR 225/3.2	225	59		71	270		32	464	42				
JSR 260/2.8	260	69		82	312		28	406	45				
JSR 330/2.3	330	87		105	396		23	334	50				
JSR 400/1.8	400	106		127	480		18	261	55				
JSR 480/1.6	480	127		152	576		16	232	60				
JSR 550/1.3	550	145		174	660		13	189	65				
JSR 650/1.2	650	172		206	780		12	174	70				
JSR 800/1.0	800	211	144	254	960	173	10	145	65				
JSR 1000/1.0	990	262		314	1188		10	145	70				

Unit: mm

Model	A	B	C	D
JSR 6-16	207	61	184.5	490
JSR 30-50	207	61	203.5	509
JSR 80-130	213	61	194.5	400
JSR 160-225	223	71	194.5	500
JSR 260-330	233	81	198.5	508
JSR 400-480	325	91	213	551
JSR 550-1000	335	101	213	551



JSD Series

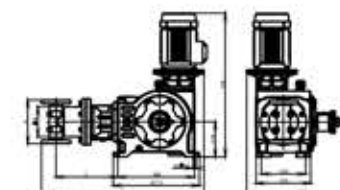


• Parameter Table

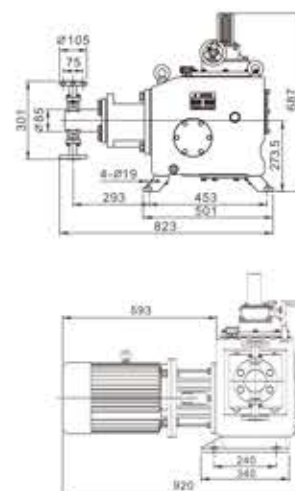
Model	50Hz			60Hz			Pressure		Plunger Dia. (mm)	Stroke Length (mm)	Power KW(HP)	Inlet&Outlet Size	Connection Size
	Flow (lph)	Flow (gph)	SPM	Flow (lph)	Flow (gph)	SPM	(Bar)	(Psi)					
JSD 23/50	23	6.1		7.3	28		500	7250	12				
JSD 40/40	40	11		13	48		400	5800	16				
JSD 63/28	63	17		20	76		280	4060	20				
JSD 105/18	105	28		33	126		180	2610	25				
JSD 138/14	138	36		43	165		140	2050	28				
JSD 175/11	175	46		55	210		110	1595	32				
JSD 240/8.0	240	63		76	288		80	1160	38				
JSD 300/6.3	300	79		95	360		63	914	42				
JSD 360/5.5	360	95		114	432		55	798	45				
JSD 450/4.5	450	119		143	540		45	653	50				
JSD 540/3.8	540	143		171	648		38	551	55				
JSD 650/3.2	650	172	100	206	780	120	32	464	60				
JSD 760/2.6	760	201		241	912		26	377	65				
JSD 900/2.3	900	238		285	1080		23	334	70				
JSD 1050/2.0	1050	277		333	1260		20	290	75				
JSD 1200/1.8	1200	317		380	1440		18	261	80				
JSD 1350/1.6	1350	357		428	1620		16	232	85				
JSD 1500/1.4	1500	396		476	1800		14	203	90				
JSD 1680/1.2	1680	444		533	2016		12	174	95				
JSD 1850/1.0	1850	489		587	2220		10	145	100				
JSD 2050/0.8	2050	542		650	2460		8	116	105				
JSD 2500/1.0	2500	661	150	793	3000	180	10	145	95				
JSD 3000/0.6	3000	793		951	3600		6	87	105				

Unit: mm

Model	A	B	C	D	Model	A	B	C	D
JSD 23-240	360	98	276.5	724.5	JSD 1500-1680	407	128	275.5	749
JSD 300-360	360	98	266.5	714.5	JSD 1850	417	138	275.5	749
JSD 450-760	328	98	276.5	729.5	JSD 2050	216	148	308	806
JSD 900-1050	349	108	269.5	730.5	JSD 2500	407	128	275.5	749
JSD 1200-1350	359	118	269.5	730.5	JSD 3000	216	148	308	806



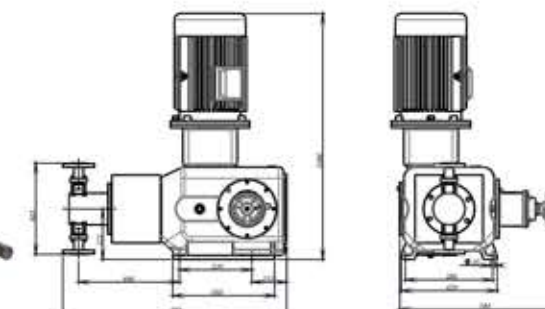
JDR Series



• Parameter Table

Model	50Hz		SPM	60Hz		SPM	Pressure		Plunger Dia. (mm)	Stroke Length (mm)	Power KW(HP)	Inlet&Outlet Size	Connection Size
	Flow (lph)	Flow (gph)		Flow (lph)	Flow (gph)		(Bar)	(Psi)					
JDR 92/50	92	24	96	29	110	115	500	7250	20	60	5.5(7.5)	DN15	DN15 WN
JDR 145/32	145	38		46	174		320	4640	25				
JDR 190/18	190	50		60	228		250	3625	28				
JDR 240/20	240	63		76	288		200	2900	32				
JDR 390/15	390	102		123	468		150	2175	38			DN20	DN20 WN
JDR 430/11	430	114		136	516		110	1595	42				
JDR 520/9.0	520	137		165	624		90	1305	45				
JDR 650/8.0	650	172		206	780		80	1160	50				
JDR 780/6.5	780	206		247	936		65	943	55			DN25	DN25 RF
JDR 930/5.5	930	246		295	1116		55	798	60				
JDR 1100/4.6	1100	291	349	1320	46	667	65	60	5.5(7.5)	DN25	DN25 RF		
JDR 1300/4.0	1300	343	412	1560	40	580	70						
JDR 1480/3.5	1480	391	469	1776	35	508	75						
JDR 1700/3.0	1700	449	539	2040	30	435	80			DN32	DN32 RF		
JDR 1920/2.8	1920	507	609	2304	28	406	85						
JDR 2150/2.4	2150	568	682	2580	24	348	90						
JDR 2400/2.2	2400	634	761	2880	22	319	95			DN40	DN40 RF		
JDR 2680/2.0	2680	708	850	3216	18	261	100						
JDR 3250/1.6	3250	859	1030	3900	15	218	110						
JDR 3860/1.3	3860	1020	1224	4632	13	189	120			DN50	DN50 RF		
JDR 4550/1.1	4550	1202	1443	5460	11	160	130						
JDR 5260/1.0	5260	1390	1668	6312	10	145	140	DN65	DN65 RF				
JDR 6050/0.8	6050	1598	1918	7260	8	116	150						

J-T Series



• Parameter Table

Model	50Hz			60Hz			Pressure		Plunger Dia. (mm)	Stroke Length (mm)	Power KW(HP)	Inlet&Outlet Size	Connection Size
	Flow (lph)	Flow (gph)	SPM	Flow (gph)	Flow (lph)	SPM	(Bar)	(Psi)					
J-T 180/50	186	49	93	59	223	112	500	7250	25	80	11(15)	DN15	DN15 WN
J-T 220/40	229	61		73	275		400	5800	28				
J-T 300/30	304	80		96	365		300	4350	32				
J-T 450/22	455	120		144	546		220	3190	38			DN20	DN20 WN
J-T 550/18	556	147		176	667		180	2610	42				
J-T 780/12	788	208		250	946		120	1740	50				
J-T 1000/10	1000	264		317	1200		100	1450	55			DN25	DN25 RF
J-T 1200/8.5	1200	317		380	1440		85	1233	60				
J-T 1400/7.5	1420	375		450	1704		75	1088	65				
J-T 1650/6.5	1665	440		528	1998		65	943	70			DN32	DN32 RF
J-T 1900/5.5	1910	505	606	2292	55	798	75						
J-T 2200/4.8	2200	581	697	2640	48	696	80						
J-T 2480/4.3	2485	657	788	2982	43	624	85	DN40	DN40 RF				
J-T 2800/3.8	2800	740	888	3360	38	551	90						
J-T 3100/3.5	3130	827	992	3756	35	508	95						
J-T 3460/3.1	3468	916	1099	4162	31	450	100	DN50	DN50 RF				
J-T 4200/2.6	4200	1110	1332	5040	26	377	110						
J-T 5000/2.2	5000	1321	1585	6000	22	319	120						
J-T 5800/1.8	5890	1556	1867	7068	18	261	130	DN65	DN65 RF				
J-T 6800/1.6	6830	1804	2165	8196	16	232	140						
J-T 7800/1.4	7840	2071	2486	9408	14	203	150						
J-T 8900/1.2	8920	2357	2828	10704	12	174	160	DN80	DN80 RF				
J-T 10000/1.1	10050	2655	3186	12060	11	160	170						
J-T 11300/0.9	11330	2993	3592	13596	9	131	180						
J-T 12600/0.8	12600	3329	3995	15120	8	116	190	DN100	DN100 RF				
J-T 14000/0.6	14000	3699	4439	16800	6	87	200						



JYSX



JYDR



JYSZ



JYSR



JYSD



JYT

Hydraulic Pumps

LGP hydraulic diaphragm pump 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. LGP hydraulic diaphragm pumps are suitable for corrosive, vapor, flammable, explosive or toxic solutions. It can also transport suspended liquid or moderately viscous liquid.

Features:

- 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

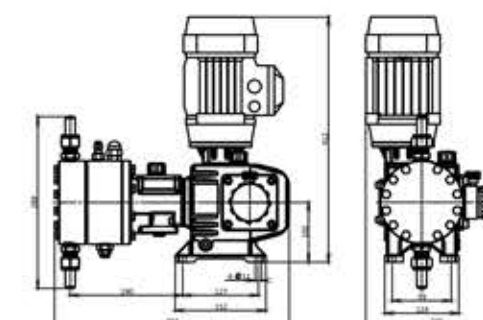
Materials:

- Pump Head: SS304, SS316
- Pump Case: Cast Iron
- Diaphragm: PTFE
- Valves: SS304, SS316
- Valve Balls: SS304, SS316, Ceramic



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

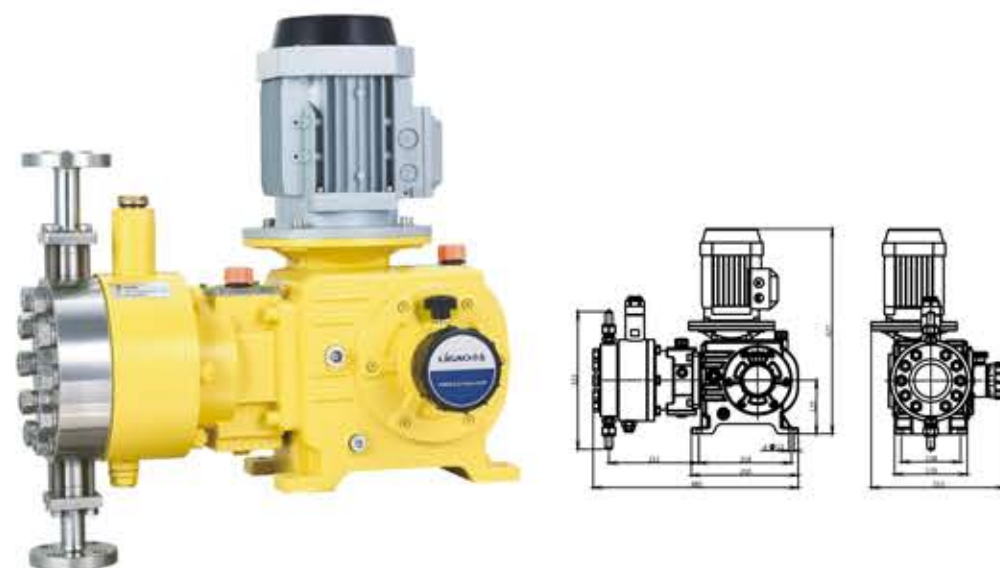
JYSX Series



Parameter Table

Model	50Hz			60Hz			Pressure		Piston Dia. (mm)	Diaphragm Dia. (mm)	Stroke Length (mm)	Power KW(HP)	Inlet&Outlet Size	Connection Size
	Flow (lph)	Flow (gph)	SPM	Flow (lph)	Flow (gph)	SPM	(Bar)	(Psi)						
JYSX 8/14	8	2.1	80	2.5	9.6	96	140	2030	12	67				
JYSX 12/14	12	3.1		3.1	14		140	2030	12	67				
JYSX 27/7.6	27	7.1		8.6	32		76	1102	16	67			DN8	8*14 mm (union for welding)
JYSX 40/5.0	44	12		14	53		50	725	20	80				
JYSX 65/3.2	68	18		22	82		32	464	25	80				
JYSX 86/2.5	86	23	120	27	103	144	25	363	28	97	20	0.37(0.5)		
JYSX 112/2.0	112	30		36	134		20	290	32	97			DN10	10*16 mm (union for welding)
JYSX 135/1.6	135	36		43	162		16	232	35	97				
JYSX 155/1.3	155	40		48	186		13	189	38	97				
JYSX 180/0.8	180	48		57	216		8	116	40	97				

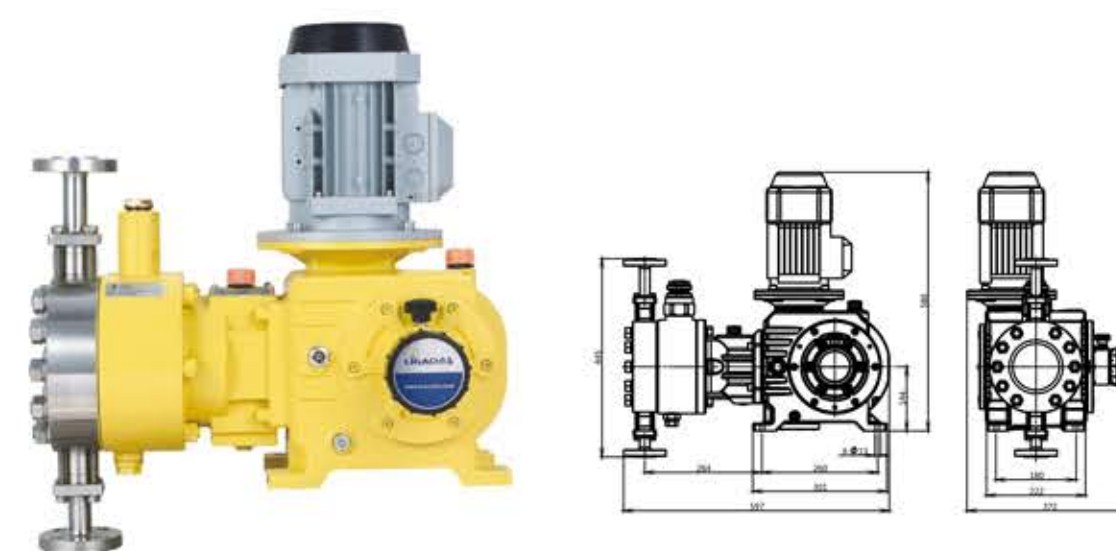
JYSZ Series



• Parameter Table

Model	50Hz		SPM	60Hz		SPM	Pressure		Piston Dia. (mm)	Diaphragm Dia. (mm)	Stroke Length (mm)	Power KW(HP)	Inlet&Outlet Size	Connection Size
	Flow (lph)	Flow (gph)		Flow (gph)	Flow (lph)		(Bar)	(Psi)						
JYSZ 10/20	10	2.6	96	3.2	12	115	200	2900	12	80			DN8	8*14 mm (union for welding)
JYSZ 15/20	15	4.0		4.8	18		200	2900	12	80				
JYSZ 35/10	35	9.2		11	42		100	1450	16	92				
JYSZ 45/9.0	45	12		14	54		90	1305	18	92				
JYSZ 60/7.2	58	15		18	70		72	1044	20	92			DN10	10*16 mm (union for welding)
JYSZ 70/6.0	72	19		23	86		60	870	22	110				
JYSZ 100/4.0	100	26	144	32	120	173	40	580	25	110	25	0.75(1)		
JYSZ 130/3.2	135	36		43	162		32	464	30	110				
JYSZ 150/2.8	150	40		48	180		28	406	32	130			DN15	15*22 mm (union for welding)
JYSZ 200/2.2	200	53		63	240		22	319	36	130				
JYSZ 240/1.8	240	63		76	288		18	261	40	130				
JYSZ 300/1.4	300	79		95	360		14	203	45	130				
JYSZ 400/1.0	400	106		127	480		10	145	50	130			DN15	DN15 RF

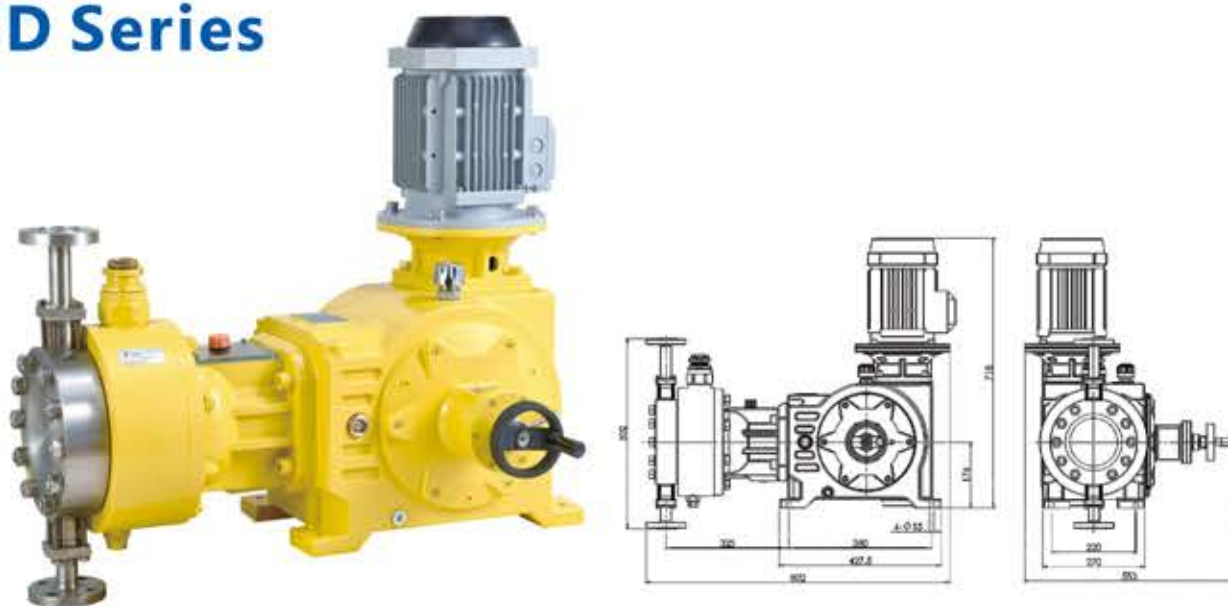
JYSR Series



• Parameter Table

Model	50Hz		SPM	60Hz		SPM	Pressure		Piston Dia. (mm)	Diaphragm Dia. (mm)	Stroke Length (mm)	Power KW(HP)	Inlet&Outlet Size	Connection Size
	Flow (lph)	Flow (gph)		Flow (gph)	Flow (lph)		(Bar)	(Psi)						
JYSR 28/22	28	7.4	96	8.9	34	115	220	3190	16	92			DN10	10*16 mm (union for welding)
JYSR 42/22	42	11		13	50		220	3190	16	92				
JYSR 50/18	56	15		18	67		180	2610	18	92				
JYSR 70/14	70	18		22	84		140	2030	20	110				
JYSR 85/12	85	22		27	102		120	1740	22	110			DN15	DN15 RF
JYSR 110/9.0	110	29		35	132		90	1305	25	110				
JYSR 165/6.5	165	44	144	52	198	173	65	943	30	130	30	1.5(2)		
JYSR 190/5.6	190	50		60	228		56	812	32	130				
JYSR 250/4.5	250	66		79	300		45	653	36	130			DN20	DN20 RF
JYSR 300/3.6	300	79		95	360		36	522	40	150				
JYSR 380/2.8	380	100		120	456		28	406	45	150				
JYSR 480/2.3	480	127		152	576		23	334	50	150				
JYSR 580/1.8	580	153		184	696		18	261	55	150			DN20	DN20 RF
JYSR 700/1.6	700	185		222	840		16	232	60	150				

JYSD Series



• Parameter Table

Model	50Hz			60Hz			Pressure		Piston Dia. (mm)	Diaphragm Dia. (mm)	Stroke Length (mm)	Power KW(HP)	Inlet&Outlet Size	Connection Size
	Flow (lph)	Flow (gph)	SPM	Flow (gph)	Flow (lph)	SPM	(Bar)	(Psi)						
JYSD 40/35	40	11	100	13	48	120	350	5075	16	110				
JYSD 63/35	63	17		20	76		350	5075	16	110				
JYSD 80/30	80	21		25	96		300	4350	18	130				
JYSD 100/26	100	26		32	120		260	3770	20	130				
JYSD 125/23	125	33		40	150		230	3335	22	130			DN15	DN15 WN
JYSD 160/18	160	42		51	192		180	2610	25	130				
JYSD 240/12	240	63		76	288		120	1740	30	130				
JYSD 260/11	260	69		82	312		110	1595	32	130				
JYSD 340/8.5	340	90		108	408		85	1233	36	150				
JYSD 420/6.8	420	111	150	133	504	180	68	986	40	150	40	3(4)	DN20	DN20 WN
JYSD 540/5.6	540	143		171	648		56	812	45	170				
JYSD 670/4.5	670	177		212	804		45	653	50	170			DN20	DN20 RF
JYSD 820/3.8	820	217		260	984		38	551	55	170				
JYSD 980/3.2	980	259		311	1176		32	464	60	180			DN25	DN25 RF
JYSD 1100/2.8	1100	291		349	1320		28	406	63	180				
JYSD 1160/2.6	1160	306		368	1392		26	377	65	190				
JYSD 1350/2.3	1350	357		428	1620		23	334	70	190				
JYSD 1550/2.0	1550	410		491	1860		20	290	75	200			DN32	DN32 RF
JYSD 1800/1.8	1800	476		571	2160		18	261	80	220				
JYSD 2020/1.6	2020	531		637	2424		16	232	85	240				
JYSD 2250/1.4	2250	592		710	2700		14	203	90	260				
JYSD 2500/1.2	2500	657		789	3000		12	174	95	280				
JYSD 2800/1.0	2800	736		884	3360		10	145	100	280			DN40	DN40 RF

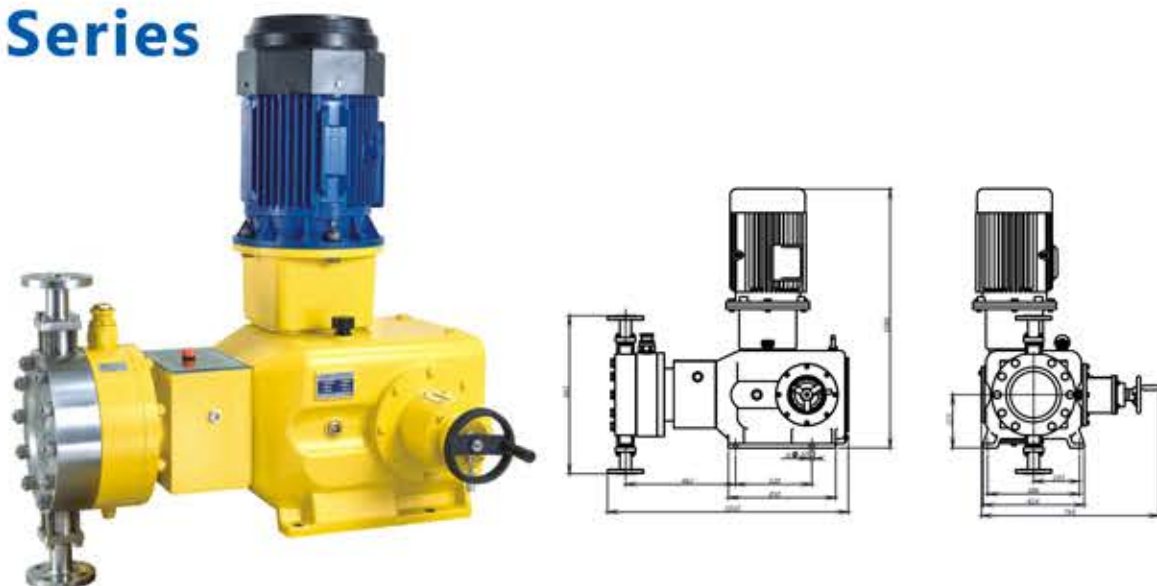
JYDR Series



• Parameter Table

Model	50Hz			60Hz			Pressure		Piston Dia. (mm)	Diaphragm Dia. (mm)	Stroke Length (mm)	Power KW(HP)	Inlet&Outlet Size	Connection Size
	Flow (lph)	Flow (gph)	SPM	Flow (gph)	Flow (lph)	SPM	(Bar)	(Psi)						
JYDR 90/40	90	24	96	29	108	115	400	5800	20	150				
JYDR 140/40	140	37		44	168		400	5800	20	150				
JYDR 220/32	220	58		70	264		320	4640	25	150			DN15	DN15 WN
JYDR 315/22	315	83		100	378		220	3190	30	150				
JYDR 360/20	360	95		114	432		200	2900	32	150				
JYDR 480/15	480	127		152	576		150	2175	36	170				
JYDR 600/12	600	159		190	720		120	1740	40	170			DN20	DN20 WN
JYDR 750/10	750	198		238	900		100	1450	45	170				
JYDR 960/8.0	960	254		304	1152		80	1160	50	190				
JYDR 1200/6.5	1200	317		380	1440		65	943	55	190				
JYDR 1450/5.5	1450	383	144	460	1740	173	55	798	60	200	60	5.5(7.5)	DN25	DN25 RF
JYDR 1550/5.0	1550	410		491	1860		50	725	63	200				
JYDR 1650/4.6	1650	436		523	1980		46	667	65	220				
JYDR 1920/4.0	1920	507		609	2304		40	580	70	220				
JYDR 2240/3.5	2240	592		710	2688		35	508	75	240			DN32	DN32 RF
JYDR 2550/3.0	2550	674		808	3060		30	435	80	240				
JYDR 2880/2.8	2880	761		913	3456		28	406	85	260				
JYDR 3250/2.4	3250	859		1030	3900		24	348	90	260				
JYDR 3600/2.2	3600	951		1141	4320		22	319	95	280			DN40	DN40 RF
JYDR 4000/2.0	4000	1057		1268	4800		20	290	100	280				
JYDR 4900/1.6	4900	1295		1554	5880		16	232	110	280				
JYDR 5800/1.3	5800	1526		1831	6960		13	188	120	310			DN50	DN50 RF
JYDR 6850/1.0	6850	1802		2163	8220		10	145	130	310				

JYT Series



• Parameter Table

Model	50Hz			60Hz			Pressure		Piston Dia. (mm)	Diaphragm Dia. (mm)	Stroke Length (mm)	Power KW(HP)	Inlet&Outlet Size	Connection Size
	Flow (lph)	Flow (gph)	SPM	Flow (gph)	Flow (lph)	SPM								
JYT 180/40	180	48		57	216		400	5800	25	170				
JYT 260/35	260	69		82	312		350	5075	30	170			DN15	DN15 WN
JYT 300/30	300	79		95	360		300	4350	32	180				
JYT 390/24	390	103		124	468		240	3480	36	180				
JYT 480/20	480	127		152	576		200	2900	40	190			DN20	DN20 WN
JYT 600/15	600	159		190	720		150	2175	45	190				
JYT 780/12	780	206		247	936		120	1740	50	200				
JYT 950/12	950	251		301	1140		100	1450	55	200			DN25	DN25 RF
JYT 1100/8.5	1100	291		349	1320		85	1233	60	220				
JYT 1250/8.0	1250	330		396	1500		80	1160	63	220				
JYT 1300/7.5	1300	343		412	1560		75	1088	65	240			DN32	DN32 RF
JYT 1500/6.3	1500	396		476	1800		63	914	70	240				
JYT 1800/5.5	1800	476		571	2160		55	798	75	240				
JYT 2000/4.8	2000	528	96	634	2400	115	48	696	80	260	80	11(15)	DN40	DN40 RF
JYT 2300/4.3	2300	608		729	2760		43	624	85	260				
JYT 2650/3.8	2650	700		840	3180		38	551	90	260				
JYT 3000/3.5	3000	793		951	3600		35	508	95	280				
JYT 3300/3.1	3300	872		1046	3960		31	450	100	280			DN50	DN50 RF
JYT 4000/2.6	4000	1057		1268	4800		26	377	110	280				
JYT 4900/2.2	4900	1295		1554	5880		22	319	120	310				
JYT 5700/1.8	5700	1506		1807	6840		18	261	130	310			DN65	DN65 RF
JYT 6600/1.6	6600	1744		2092	7920		16	232	140	310				
JYT 7700/1.4	7700	2034		2441	9240		14	203	150	330				
JYT 8800/1.2	8800	2325		2790	10560		12	174	160	330			DN80	DN80 RF
JYT 10000/1.0	1000	2642		3170	12000		10	145	170	350				



LIGAO PACKAGED DOSING SYSTEM is customized system that is ready mounted and ready for use. The standard system is with dosing pumps, piping, storage tank, and other instruments required. The system is usually supplied with a platform skid, sometimes with a ladder. All these dosing skids are designed responding to individual needs and configured in-house. We have gained a lot of experience on packaged dosing system design and manufacturing.

Features and Benefits:

1. All systems are mounted on the skid, easy and simple for installation.
2. Compact design, minimal space required.
3. Control cabinet can achieve local manual adjustment and automatic dosing. All the electrical, instrumentation are concentrated in the electrical cabinet assembly, compact, safe and convenient operation.
4. Easy operation, easy maintenance..
5. Accurate and steable dosing with wide dosing range.

Common Applications of Packaged Dosing System:

1. Oil field dosing system: Mainly used in the oil extraction to the platform on the wellhead and other systems into flocculants, scale inhibitors, corrosion inhibitors, demulsifiers and other liquid.
2. Boiler dosing system: Can be used for boiler feed water with ammonia and ammonia, condensed water with ammonia and ammonia, shutdown protection with ammonia and ammonia, and add steam boiler phosphate, mainly for power plants and power plants.
3. Water treatment dosing system: In the water treatment for tap water, waste water, sewage. Mainly used for water supply and drainage, environmental protection and other processes. Such as water plants, hotels, restaurants, swimming pools, sewage treatment plants and so on.



Packaged Dosing System for Polymer

LIGAO Packaged Polymer Dosing Systems is Integrated skid for PAM, PAC and other powder. The dry polymer material is added through the stainless hopper feeder. The preparation of polymer solution is completed progressively in individual chemical tank. The tanks are separated in order to obtain the best reaction time and constant concentration. The device is automatically controlled by control system. When the level meter detects the liquid reaching the low level, the flow meter will automatically open. The flow meter contact the start of the powder feeder. The amount of powder depends on the amount of water supply, in order to obtain accurate concentration. When the liquid reaches high level, the circulation stops, while the 2 (or 3) stirrers are still working.

Features and Benefits:

1. the system is highly integrated;
2. Automatic control cabinet with PLC is available;
3. Robust design, easy operation, convenient installation, only need water and power supply at site;
4. 100% premixing effect;
5. Good corrosive resistance; the wet part is engineering plastic or stainless steel;
6. Application for powder, fiber material, as well as liquid material;
7. High efficient stainless steel mixer.

Standard Configurations:

1. Three-chamber tank, with three drain outlets;
2. Two stirrers, one metering pump (diaphragm, plunger or hydraulic metering pump);
3. Water supply with pressure reduce valves and ball valves;
4. the dry feeder is with a hopper;
5. Level switch and level meter;
6. Electric cabinet, overflow outlet, solenoid valve, flow meter.

Applications:

Water treatment, waste water treatment, paper factory, chemical factory and so on.



Safety Valve, PVC material



Safety Valve, SS material



Safety Valve, PTFE material



Pulse Damper, PVC material



Pulse Damper, SS material



T-safety Valve



Filter, PVC material



Filter, SS material



Non-return valve