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CERTIFICATE No.

SI CERTIFICA CHE IL SISTEMA DI GESTIONE PER LA QUALITA' DI
WE HEREBY CERTIFY THAT THE QUALITY MANAGEMENT SYSTEM OPERATED BY

BELUNO S.R.L

UNITA' OPERATIVE
OPERATIVE UNITS

Via Puglia, 4 - 35043 Monselice (PD)
Italia

E' CONFORME ALLA NORMA
IS IN COMPLIANCE WITH THE STANDARD

UNI EN ISO 9001:2008

PER LE SEGUENTI ATTIVITA'
FOR THE FOLLOWING ACTIVITIES

EA: 18

Progettazione e produzione di elettropompe centrifughe e sommergibili.
Design and manufacture of centrifugal and submersible electric pumps.

Riferirsi alla documentazione del Sistema di Gestione per la Qualità aziendale per l'applicabilità dei requisiti della norma di riferimento.
Refer to the documentation of the Quality Management System for details of application to reference standard requirements.
Il presente certificato è soggetto al rispetto del documento IQM "Regolamento per la certificazione dei sistemi di gestione per la qualità delle aziende".
The use and the validity of this certificate shall satisfy the requirements of the IQM document "Rules for the certification of company quality management systems". Per informazioni puntuali e aggiornate circa eventuali variazioni intervenute nello stato della certificazione di cui al presente certificato, si prega di contattare il n° telefonico +39 02 725341 o indirizzo e-mail info@icim.it
For timely and updated information about any changes in the certification status referred to in this certificate, please contact the number +39 02 725341 or email address info@icim.it

Data emissione	Emissione corrente	Data di scadenza
First issue	*Current issue*	*Expiring date*
07/07/2010	07/07/2016	14/09/2018

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METERING PUMP

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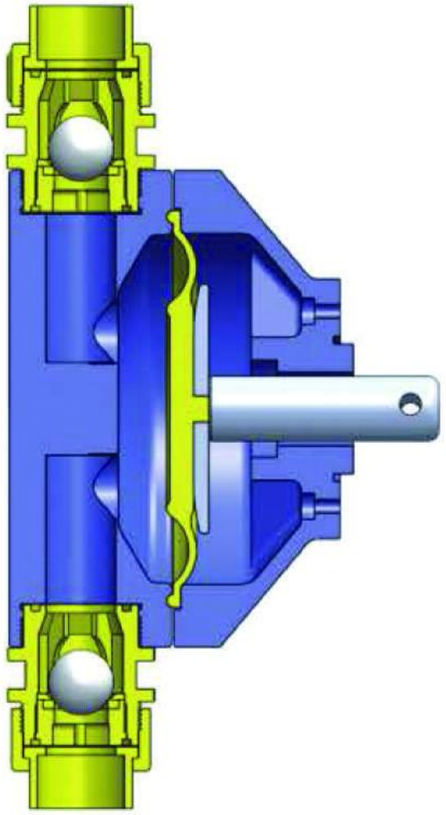


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MECHANICAL DIAPHRAGM METERING PUMP

DEFINITION

The diaphragm type metering pump uses a diaphragm to replace the piston, realizes reciprocating motion under the action of the driving mechanism, and completes the pump for the suction and discharge processes.



FEATURES

- No moving seal, no leakage.
- It can transport high viscosity media, abrasive pastes and hazardous chemicals.
- Cast aluminum housing, high heat dissipation and light overall weight.
- The diaphragm is pressed into a multi-layer composite structure, the first layer of super tough Teflon acid-resistant film, the second layer of EPDM elastic rubber, the third layer of thickness 3.mm SUS304 supporting iron core, the fourth layer is reinforced with nylon fiber reinforcement, the fifth layer It is fully packaged with EPDM elastic rubber, which can effectively improve the service life of the diaphragm.
- The pressure is generally less than 1.2Mpa.

PUMP HEAD CONGIGURATION ACCORDING TO DIFFERENT APPLICATIONS



PVC



SS304/316



PVDF/PTFE

JLM

Solenoid
Metering Pump



PRODUCT CHARACTERISTICS

- Wear-free solenoid driving with no bearing.
- Adjustment both by stroke length and stroke speed.
- Intelligent LED display the stroke speed in percentage.
- **Power:** 110/ 220V 50~60Hz.
- **Material:** PVC; PVDF; SS304; SS316

PARAMETER TABLE

Model	Flow (LPH)	pressure (BAR)	Flow (GPH)	pressure (PSI)	SPM	Diaphragm (mm)	Power (W)	Connection
JLM0110	1.0	10	0.26	145	80	34	28	5*8mm PE hose
JLM0210	2.0	10	0.52	145	140			
JLM0408	4.0	8.0	1.0	116	180			
JLM0505	5.0	5.0	1.3	73	140	41		
JLM0804	8.0	4.0	2.1	58	170			
JLM1003	10	3.0	2.6	44	130	52		
JLM1202	12	2.0	3.1	29	150			
JLM1502	15	2.0	3.9	29	160			
JLM2001	20	1.0	5.2	15	180			

MATERIAL CONSTRUCTION

Material	PVC	PVDF	SS304	SS316
Diaphragm	PTFE	PTFE	PTFE	PTFE
Valve Body	PVC	PVDF	SS304	SS316
Valve Ball	Ceramic	Ceramic	Ceramic	Ceramic
Vavle Seat	PTFE	PTFE	SS304	SS316
O Ring	Viton	Viton	PTFE	PTFE

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JLM-P

Solenoid
Metering Pump



PRODUCT CHARACTERISTICS

- Wear-free solenoid driving with no bearing.
- Adjustment both by stroke length and stroke speed.
- Intelligent LED display the stroke speed in percentage.
- **Power:** 110/ 220V 50~60Hz.
- **Material:** PVC; PVDF; SS304; SS316
- **Signal fucntions:** 4-20mA signal or impulse signal

PARAMETER TABLE

Model	Flow (LPH)	pressure (BAR)	Flow (GPH)	pressure (PSI)	SPM	Diaphragm (mm)	Power (W)	Connection
JLM-P0110	1.0	10	0.26	145	80	34	28	5*8mm PE hose
JLM-P0210	2.0	10	0.52	145	140			
JLM-P0408	4.0	8.0	1.0	116	180			
JLM-P0505	5.0	5.0	1.3	73	140	41		
JLM-P0804	8.0	4.0	2.1	58	170			
JLM-P1003	10	3.0	2.6	44	130	52		
JLM-P1202	12	2.0	3.1	29	150			
JLM-P1502	15	2.0	3.9	29	160			
JLM-P2001	20	1.0	5.2	15	180			

MATERIAL CONSTRUCTION

Material	PVC	PVDF	SS304	SS316
Diaphragm	PTFE	PTFE	PTFE	PTFE
Valve Body	PVC	PVDF	SS304	SS316
Valve Ball	Ceramic	Ceramic	Ceramic	Ceramic
Vavle Seat	PTFE	PTFE	SS304	SS316
O Ring	Viton	Viton	PTFE	PTFE

JLM-S

Solenoid
Metering Pump



PRODUCT CHARACTERISTICS

- Flow manually controlled by stroke speed.
- Big LCD screen display instant flow and accumulated flow.
- **Power:** 110/ 220V 50~60Hz.
- **Material:** PVC; PVDF; SS304; SS316
- **Signal fucntions:** 4-20mA signal , impulse signal, RS485

PARAMETER TABLE

Model	Flow (LPH)	pressure (BAR)	Flow (GPH)	pressure (PSI)	SPM	Diaphragm (mm)	Power (W)	Connection
JLM-S0110	1.0	10	0.26	145	80	34	28	5*8mm PE hose
JLM-S0210	2.0	10	0.52	145	140			
JLM-S0408	4.0	8.0	1.0	116	180			
JLM-S0505	5.0	5.0	1.3	73	140	41		
JLM-S0804	8.0	4.0	2.1	58	170			
JLM-S1003	10	3.0	2.6	44	130	52		
JLM-S1203	12	3.0	3.1	44	150			
JLM-S1502	15	2.0	3.9	29	160			
JLM-S2001	20	1.0	5.2	15	180			

MATERIAL CONSTRUCTION

Material	PVC	PVDF	SS304	SS316
Diaphragm	PTFE	PTFE	PTFE	PTFE
Valve Body	PVC	PVDF	SS304	SS316
Valve Ball	Ceramic	Ceramic	Ceramic	Ceramic
Vavle Seat	PTFE	PTFE	SS304	SS316
O Ring	Viton	Viton	PTFE	PTFE

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JBB

Mechanical Diaphragm
Metering Pump



MAIN PARAMETER

- **Flow range:**15-130LPH@50Hz/18-180LPH@60Hz
- **Pressure range:** 4-10 Bar
- **Power:** 380V/220V @50Hz on standard, others on request, DC12V or 24V is available
- **Material:** PVC; PVDF; SS304; SS316

PARAMETER TABLE

Model	50Hz			60Hz			pressure		Diaphragm (mm)	Power
	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		7.9	30		10	145		
JBB40/0.7	40	10	150	12	48	180	7	102		
JBB60/0.6	60	60	100	19	72	120	6	87	84	
JBB80/0.5	80	21		25	96		5	73		
JBB100/0.4	100	26	150	32	120	180	4	58		
JBB130/0.4	130	34		41	156		4	58		

CONNECTION

Model	PVC	PVDF	SS304/316
JBB15-JBB40	6*9 mm hose	RC1/2" F	8*14mm welding union
JBB60-JBB130	DN15 glue union	RC1/2" F	10*16mm welding union

10*14mm hose connection is also optional for JBB60-JBB130.

KD

Mechanical Diaphragm
Metering Pump



MAIN PARAMETER

- **Flow range:**15-180LPH@50Hz/18-173LPH@60Hz
- **Pressure range:** 5-8 Bar
- **Power:** 380V@50Hz on standard, others on request
- **Material:** PVC; PVDF; SS304; SS316

PARAMETER TABLE

Model	50Hz			60Hz			pressure		Diaphragm (mm)	Power
	Flow (LPH)	Flow (GPH)	SPM	Flow (GPH)	Flow (LPH)	SPM	BAR	PSI		
KD15/0.8	15	3.9	48	4.7	18	58	8	116	60	180W
KD20/0.8	20	5.2		6	24		8	116		
KD40/0.8	40	10.5	96	12	48	115	8	116		
KD60/0.6	60	15.7	48	18	72	58	6	87	95	
KD80/0.6	80	21	96	25	96	115	6	87		
KD120/0.5	120	31.5		37	144		5	73		
KD180/0.5	180	47.3	144	56	173	115	5	73		

CONNECTION

Model	PVC	PVDF	SS304/316
KD15-KD40	6*9 mm hose	RC1/2" F	8*14mm welding union
KD60-KD180	DN15 glue union	RC1/2" F	10*16mm welding union

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GM

Mechanical Diaphragm
Metering Pump

MAIN PARAMETER

- **Flow range:** 10-500LPH@50Hz/12-600LPH@60Hz
- **Pressure range:** 5-12 Bar
- **Power:** 380V@50Hz on standard, others on request
- **Material:** PVC; PVDF; SS304; SS316



PARAMETER TABLE

Model	50Hz			60Hz			pressure		Diaphragm (mm)	Power
	Flow (LPH)	Flow (GPH)	SPM	Flow (GPH)	Flow (LPH)	SPM	BAR	PSI		
GM10/1.2	10	2.6	48	3.1	12	58	12	174	60	0.37KW
GM25/1.0	25	6.6		7.9	30		10	145		
GM50/1.0	50	13	96	16	60	115	10	145		
GM90/0.7	90	23	48	28	108	58	7	102	112	
GM120/0.7	120	32		38	144		7	102		
GM170/0.7	170	45	96	54	204	115	7	102		
GM240/0.5	240	63		76	288		5	73		
GM330/0.5	330	86	144	104	396	173	5	73		
GM400/0.5	400	105		126	480		5	73		
GM500/0.5	500	131		157	600		5	73		

CONNECTION

Model	PVC	PVDF	SS304/316
GM10-GM25	6*9 mm hose	RC1/2" F	8*14mm welding union
GM50	DN15 glue union	RC1/2" F	10*16mm welding union
GM90-GM120	DN15 glue union	RC1/2" F	10*16mm welding union
GM170-GM330	DN15 glue union	RC1/2" F	15*22mm welding union
GM400-GM500	DN15 glue union	RC3/4" F	15*22mm welding union

GB

Mechanical Diaphragm
Metering Pump

MAIN PARAMETER

- **Flow range:** 240-1800LPH@50Hz/288-2160LPH@60Hz
- **Pressure range:** 3-10 Bar
- **Power:** 380V@50Hz on standard, others on request
- **Material:** PVC; PVDF; SS304; SS316



PARAMETER TABLE

Model	50Hz			60Hz			pressure		Diaphragm (mm)	Power
	Flow (LPH)	Flow (GPH)	SPM	Flow (GPH)	Flow (LPH)	SPM	BAR	PSI		
GB240/1.0	240	63	48	75	288	58	10	145	148	0.75KW
GB320/1.0	320	84		101	384		10	145		
GB500/1.0	500	131	96	157	600	115	10	145		
GB680/0.7	680	179		214	816		7	102		
GB760/0.5	760	200	144	240	912	173	5	73		
GB1000/0.4	1000	264		315	1200		4	58		
GB1200/0.4	1200	315	96	379	1440	115	4	58	185	1.1KW
GB1600/0.3	1600	421	144	505	1920	173	3	44		
GB1800/0.3	1800	476		571	2160		3	44		

CONNECTION

Model	PVC	PVDF	SS304/316
GB240-GB1000	DN25 glue union	RC 1" F	RC 1" F
GB1200-GB1800	DN40 glue union	RC 1.5" F	RC 1.5" F

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GB-S

Mechanical Diaphragm Metering Pump



MAIN PARAMETER

- **Flow range:**1300-3600LPH@50Hz/1560-4320LPH@60Hz
- **Pressure range:** 3-5 Bar
- **Power:** 380V@50Hz on standard, others on request
- **Material:** PVC; PVDF; SS304; SS316

PARAMETER TABLE

Model	50Hz			60Hz			pressure		Diaphragm (mm)	Power
	Flow (LPH)	Flow (GPH)	SPM	Flow (GPH)	Flow (LPH)	SPM	BAR	PSI		
GB-S1300/0.5	1300	343	96	412	1560	115	5	73	148	1.1KW
GB-S1700/0.5	1700	449	144	539	2040	173	5	73		
GB-S2000/0.4	2000	528		634	2400		4	58		
GB-S2800/0.3	2800	740		888	3360		3	44	185	
GB-S3600/0.3	3600	951		1141	4320		3	44		

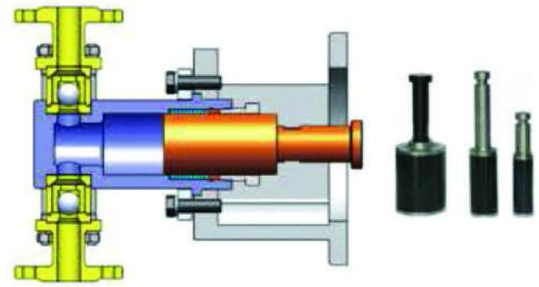
CONNECTION

Model	PVC	PVDF	SS304/316
GB-S1300~2000	DN25 glue union	RC 1" F	RC 1" F
GB-S2800~3600	DN40 glue union	RC 1.5"	RC 1.5" F

PLUNGER TYPE METERING PUMP

DEFINITION

A pump that periodically changes the volume of the working chamber by the reciprocating straight line of the plunger.



MAIN FEATURES

- High pressure, up to 50Mpa
- High accurancy, the presicion error wihtin 1%
- For high visocity, up to 2000cps
- Plunger made of cremic or SS316 coated with ceramic
- Heat jacke or cooling jacket is available
- All model can be equited with auto stroke controller

APPLICATIONS

Widely used in chemical, petroleum, metallurgy, electric power, medicine, food,plastic foam and other fields. It is especially popular in processes that deliver high viscosity, high pressure, and high temperatures.

MATERIAL OPTIONS

Wetted Parts: Stadard material is SS304 or SS316, other materials on request
Gear Box: Casting

MULTIPLE SERIES PUMP



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JSX

Plunger
Metering Pump

MAIN PARAMETER

- Flow range: 1-195LPH@50Hz/1.2-234LPH@60Hz
- Pressure range: 1-400 Bar
- Power: **0.37kw** IEC71 4 pole Motor
- Material: SS304; SS316, others on request



PARAMETER TABLE

Model	50Hz			60Hz			pressure		Piston (mm)	Stroke Length (mm)	Inlet& Outlet Caliber	Connection
	Flow (LPH)	Flow (GPH)	SPM	Flow (GPH)	Flow (LPH)	SPM	BAR	PSI				
JSX1/30	1.0	0.26	40	0.3	1.2	48	300	4350	6	20	DN6	6*12 union for welding
JSX2/40	2.0	0.5	80	0.6	2.4	96	400	5800	6			
JSX3/32	3.0	0.8		1.0	3.6		320	4640	8			
JSX5/20	5.0	1.3		1.6	6		200	2900	10		DN8	8*14 union for welding
JSX8/14	8.0	2.1		2.5	9.6		140	2030	12			
JSX15/7.6	15	4.0		4.8	18		76	1102	16			
JSX25/5.0	25	6.6		7.9	30		50	725	20		DN10	10*16 union for welding
JSX40/3.2	40	11		13	48		32	464	25			
JSX50/2.5	50	13		16	60		25	363	28			
JSX70/2.0	70	18		22	84		20	290	32			
JSX85/1.6	85	22		27	102		16	232	35			
JSX100/1.3	100	26		32	120		13	189	38			
JSX125/1.0	125	33		40	150		10	145	42			
JSX150/1.3	150	40	120	48	180	144	13	189	38			
JSX200/1.0	195	51		61	234		10	145	42			

2J-X

Plunger
Metering Pump

MAIN PARAMETER

- Flow range: 5-300LPH@50Hz/6-360LPH@60Hz
- Pressure range: 1-400 Bar
- Power: **0.37kw** IEC71 4 pole Motor
- Material: SS304; SS316, others on request



PARAMETER TABLE

Model	50Hz			60Hz			pressure		Piston (mm)	Stroke Length (mm)	Inlet& Outlet Caliber	Connection
	Flow (LPH)	Flow (GPH)	SPM	Flow (GPH)	Flow (LPH)	SPM	BAR	PSI				
2J-X5/40	5.0	1.3	96	1.6	6.0	115	400	5800	6	20	DN6	6*12 union for welding
2J-X8/32	8.0	2.1		2.5	9.6		320	4640	8			
2J-X16/20	16	4.2		5.1	19.2		200	2900	10			
2J-X25/14	25	6.6		7.9	30		140	2030	12		DN8	8*14 union for welding
2J-X40/5.4	40	10.6		12.7	48		54	783	16			
2J-X60/3.5	60	15.9		19.0	72		35	508	20			
2J-X100/2.2	100	26.4		31.7	120		22	319	25		DN10	10*16 union for welding
2J-X130/1.7	130	34		41	156		17	247	28			
2J-X160/1.3	160	42		51	192		13	189	32			
2J-X200/1.0	200	53		63	240		10	145	35			
2J-X250/0.8	250	66		79	300		8	116	38			
2J-X300/0.6	300	79		95	360		6	87	42			

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JSZ

Plunger
Metering Pump

MAIN PARAMETER

- **Flow range:** 6-600LPH@50Hz/7.2-720LPH@60Hz
- **Pressure range:** 6-400 Bar
- **Power:** **0.75kw** IEC80 4 pole Motor
- **Material:** SS304; SS316, others on request



PARAMETER TABLE

Model	50Hz			60Hz			pressure		Piston (mm)	Stroke Length (mm)	Inlet& Outlet Caliber	Connection
	Flow (LPH)	Flow (GPH)	SPM	Flow (GPH)	Flow (LPH)	SPM	BAR	PSI				
JSZ6/40	6.0	1.6	96	1.9	7.2	115	400	5800	8	25	DN8	8*14 union for welding
JSZ10/25	10	2.6		3.2	12		250	3625	10			
JSZ15/20	15	4.0		4.8	18		200	2900	12			
JSZ25/10	25	6.6		7.9	30		100	1450	16			
JSZ40/6.3	40	10.6		12.7	48		63	914	20			
JSZ65/4.5	65	17.2		20.6	78		45	655	25		DN10	10*16 union for welding
JSZ80/3.6	80	21.1		25.4	96		36	522	28			
JSZ110/2.8	110	29		35	132		28	406	32			
JSZ130/2.3	130	34		41	156		23	334	35			
JSZ160/2.0	160	42		51	192		20	290	38			
JSZ190/1.6	190	50		60	228		16	232	42			
JSZ210/1.4	210	55		66	252		14	203	45		DN15	15*22 union for welding
JSZ270/1.1	270	71		86	324		11	160	50			
JSZ330/0.9	330	87		105	396		9	131	55			
JSZ400/0.8	400	106		127	480		8	116	60			
JSZ500/0.9	500	132	144	159	600	173	9	131	55			
JSZ600/0.6	600	159		190	720		6	87	60			

Duplex or Triplex heads are available.

JSR

Plunger
Metering Pump

MAIN PARAMETER

- **Flow range:** 6.5-990LPH@50Hz/7.8-1188LPH@60Hz
- **Pressure range:** 10-500 Bar
- **Power:** **1.5kw** IEC90 4 pole Motor
- **Material:** SS304; SS316, others on request



PARAMETER TABLE

Model	50Hz			60Hz			pressure		Piston (mm)	Stroke Length (mm)	Inlet& Outlet Caliber	Connection
	Flow (LPH)	Flow (GPH)	SPM	Flow (GPH)	Flow (LPH)	SPM	BAR	PSI				
JSR 6/50	6.5	1.7	96	2.1	7.8	115	500	7250	8	30	DN8	8*14 union for welding
JSR16/40	16	4.2		5.1	19.2		400	5800	12			
JSR30/22	30	7.9		9.5	36		220	3190	16			
JSR50/14	50	13.2		15.9	60		140	2030	20			
JSR80/9.0	80	21.1		25.4	96		90	1305	25		DN10	10*16 union for welding
JSR100/7.5	100	26.4		31.7	120		75	1088	28			
JSR130/5.6	130	34.3		41.2	156		56	812	32			
JSR160/4.8	160	42		51	192		48	696	35			
JSR190/4.0	190	50		60	228		40	580	38		DN15	15*22 union for welding
JSR225/3.2	225	59		71	270		32	464	42			
JSR260/2.8	260	69		82	312		28	406	45			
JSR330/2.3	330	87		105	396		23	334	50			
JSR400/1.8	400	106		127	480		18	261	55		DN20	RF Flange
JSR480/1.6	480	127		152	576		16	232	60			
JSR550/1.3	550	145		174	660		13	189	65			
JSR650/1.2	650	172		206	780		12	174	70			
JSR800/1.0	800	211	144	254	960	173	10	145	65			
JSR1000/1.0	990	262		314	1188		10	145	70			

Duplex or Triplex heads are available.

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JSD

Plunger
Metering Pump



MAIN PARAMETER

- **Flow range:** 23-3000LPH@50Hz/28-3600LPH@60Hz
- **Pressure range:** 6-500 Bar
- **Power:** **3kw** IEC100 4 pole Motor
- **Material:** SS304; SS316, others on request

PARAMETER TABLE

Model	50Hz			60Hz			pressure		Piston (mm)	Stroke Length (mm)	Inlet& Outlet Caliber	Connection
	Flow (LPH)	Flow (GPH)	SPM	Flow (GPH)	Flow (LPH)	SPM	BAR	PSI				
JSD 23/50	23	6.1	100	7.3	27.6	120	500	7250	12	40	DN15	TG Flange (WN)
JSD 40/40	40	10.6		12.7	48		400	5800	16			
JSD 63/28	63	16.6		20.0	75.6		280	4060	20			
JSD 105/18	105	27.7		33.3	126		180	2610	25			
JSD 138/14	138	36.3		43.5	165		140	2030	28			
JSD 175/11	175	46.2		55.5	210		110	1595	32			
JSD 240/8.0	240	63.4		76.1	288		80	1160	38			
JSD 300/6.3	300	79.3		95.1	360		63	914	42			
JSD 360/5.5	360	95		114	432		55	798	45		DN20	RF Flange
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		206	780		32	464	60		DN25	RF Flange
JSD 760/2.6	760	201		241	912		26	377	65			
JSD 900/2.3	900	238		285	1080		23	334	70			
JSD1050/2.0	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		DN32	RF Flange
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		DN40	RF Flange
JSD 2050/0.8	2050	542	150	650	2460	180	8	116	105			
JSD 2500/1.0	2500	661		793	3000		10	145	95		DN32	RF Flange
JSD 3000/0.6	3000	793		951	3600		6	87	105		DN40	RF Flange

Duplex or Triplex heads are available. Triplex heads power is 4kw.

JDR

Plunger
Metering Pump



MAIN PARAMETER

- **Flow range:** 92-6050LPH@50Hz/110-7260LPH@60Hz
- **Pressure range:** 8-500 Bar
- **Power:** **5.5kw** IEC132 4 pole Motor
- **Material:** SS304; SS316, others on request

PARAMETER TABLE

Model	50Hz			60Hz			pressure		Piston (mm)	Stroke Length (mm)	Inlet& Outlet Caliber	Connection
	Flow (LPH)	Flow (GPH)	SPM	Flow (GPH)	Flow (LPH)	SPM	BAR	PSI				
JDR 92/50	92	24.3	96	29.2	110.4	115	500	7250	20	60	DN15	TG Flange (WN)
JDR 145/32	145	38.3		46.0	174		320	4640	25			
JDR 190/25	190	50.2		60.2	228		250	3625	28			
JDR 240/20	240	63.4		76.1	288		200	2900	32			
JDR 390/15	390	102.0		123.0	468		150	2175	38			
JDR 430/11	430	113.6		136.3	516		110	1595	42		DN20	TG Flange (WN)
JDR 520/9.0	520	137.4		164.9	624		90	1305	45			
JDR 650/8.0	650	171.7		206.1	780		80	1160	50			
JDR 780/6.5	780	206		247	936		65	943	55			
JDR 930/5.5	930	246		295	1116		55	798	60		DN25	RF Flange
JDR 1100/4.6	1100	291		349	1320		46	667	65			
JDR 1300/4.0	1300	343		412	1560		40	580	70			
JDR 1480/3.5	1480	391		469	1776		35	508	75		DN32	RF Flange
JDR 1700/3.0	1700	449		539	2040		30	435	80			
JDR 1920/2.8	1920	507		609	2304		28	406	85			
JDR 2150/2.4	2150	568		682	2580		24	348	90		DN40	RF Flange
JDR 2400/2.2	2400	634		761	2880		22	319	95			
JDR 2680/2.0	2680	708		850	3216		20	290	100			
JDR 3250/1.6	3250	859		1030	3900		16	232	110		DN50	RF Flange
JDR 3860/1.3	3860	1020		1224	4632		13	189	120			
JDR 4550/1.1	4550	1202		1443	5460		11	160	130			
JDR 5260/1.0	5260	1390		1668	6312		10	145	140		DN65	RF Flange
JDR 6050/0.8	6050	1598		1918	7260		8	116	150			

Duplex or Triplex heads are available. Triplex heads power is 7.5kw.

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J-T

Plunger
Metering Pump



MAIN PARAMETER

- **Flow range:** 186-14000LPH@50Hz 223-16800LPH@60HZ
- **Pressure range:** 6-500 Bar
- **Power:** **11kw** IEC160 4 pole Motor
- **Material:** SS304; SS316, others on request

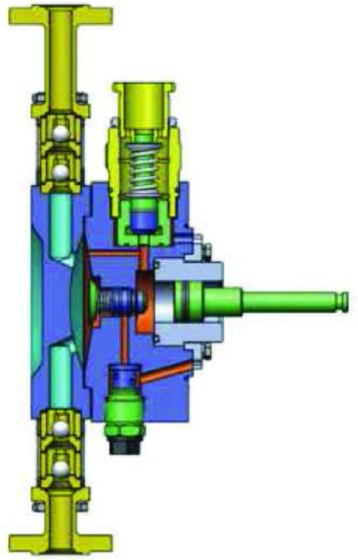
PARAMETER TABLE

Model	50Hz			60Hz			pressure		Piston (mm)	Stroke Length (mm)	Inlet& Outlet Caliber	Connection
	Flow (LPH)	Flow (GPH)	SPM	Flow (GPH)	Flow (LPH)	SPM	BAR	PSI				
J-T180/50	186	49		59	223		500	7250	25		DN15	Flange (WN)
J-T220/40	229	61		72	274		400	5800	28			
J-T300/30	304	80		96	364		300	4350	32			
J-T450/22	455	120		144	546		220	3190	38		DN20	Flange (WN)
J-T550/18	556	147		176	667		180	2610	42			
J-T780/12	788	208		250	945		120	1740	50			
J-T1000/10	1000	264		317	1200		100	1450	55		DN25	Flange (WN)
J-T1200/8.5	1200	317		380	1440		85	1233	60			
J-T1400/7.5	1420	375		450	1704		75	1088	65		DN32	RF Flange
J-T1650/6.5	1665	440		527	1998		65	943	70			
J-T1900/5.5	1910	505		605	2292		55	798	75			
J-T2200/4.8	2200	581		697	2640		48	696	80		DN40	RF Flange
J-T2480/4.3	2485	657	93	788	2982	112	43	624	85	80		
J-T2800/3.8	2800	740		887	3360		38	551	90			
J-T3100/3.5	3130	827		992	3756		35	508	95		DN50	RF Flange
J-T3460/3.1	3468	916		1099	4161		31	450	100			
J-T4200/2.6	4200	1110		1331	5040		26	377	110			
J-T5000/2.2	5000	1321		1585	6000		22	319	120		DN65	RF Flange
J-T5800/1.8	5890	1556		1867	7068		18	261	130			
J-T6800/1.6	6830	1804		2165	8196		16	232	140			
J-T7800/1.4	7840	2071		2485	9408		14	203	150		DN80	RF Flange
J-T8900/1.2	8920	2357		2828	10704		12	174	160			
J-T10000/1.1	10050	2655		3186	12060		11	160	170			
J-T11300/0.9	11330	2993		3592	13596		9	131	180		DN100	RF Flange
J-T12600/0.8	12600	3329		3994	15120		8	116	190			
J-T14000/0.6	14000	3699		4438	16800		6	87	200			

HYDRAULIC TYPE DIAPHRAGM METERING PUMP

DEFINITION

Hydraulic diaphragm pump has a reciprocating diaphragm in a hyraulic oil chamber in place of reciprocating piston inside a cylinder to produce the pumping action of the reciprocating positive displacement pump.



MAIN FEATURES

- High pressure, up to 30Mpa
- High accurancy, the presicion error wihtin 1%
- No leakage
- Can transfer liquid temperature -20℃ to 100℃
- Heat jacke or cooling jacket is available
- Includng internal safety valve
- All model can be equited with auto stroke controller
- Double diaphragm with leakage detection is optional.

APPLICATIONS

Generally used for strong corrosive, volatile, flammable and explosive, highly toxic, radioactive medium or precious metals.



MATERIAL OPTIONS

Wetted Parts: Stadard material is SS304 or SS316, other materials on request

Gear Box: Casting
Diaphragm: PTFE

DOUBLE DIAPHRAGM WITH LEAKAGE DETECTION PUMP

Double diaphragm with leakage detection pump can prevent leakage after the first diaphragm is ruptured. The pump will automatically stop when the rupture happens wihin 0.2~6 seconds, and make sound and light alarm.

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JYSX

Hydraulic
Diaphragm Pump

MAIN PARAMETER

- Flow range: 1.5-180LPH@50Hz/1.8-216LPH@60Hz
- Pressure range: 8-300 Bar
- Power: **0.37kw** IEC71 4 Pole Motor
- Material: SS304; SS316, other on request



PARAMETER TABLE

Model	50Hz			60Hz			pressure		piston (mm)	Stroke Length (mm)	Inlet& Outlet Caliber	Connection
	Flow (LPH)	Flow (GPH)	SPM	Flow (GPH)	Flow (LPH)	SPM	BAR	PSI				
JYSX1.5/30	1.5	0.4	40	0.5	1.8	48	300	4350	8	20	DN6	6*12 union for welding
JYSX2.2/20	2.2	0.6		0.7	2.64		200	2900	10			
JYSX5.0/18	5.0	1.3	80	1.6	6	96	180	2610	10			
JYSX 8/14	8.0	2.1		2.5	9.6		140	2030	12			
JYSX 12/14	12	3.2	120	3.8	14.4	144	140	2030	12		DN8	8*14 union for welding
JYSX 27/7.6	27	7.1		8.5	32.4		76	1102	16			
JYSX 40/5.0	40	10.5		12.6	48		50	725	20			
JYSX 65/3.2	65	17.1		20.5	78		32	464	25		DN10	10*16 union for welding
JYSX 86/2.5	86	22.6		27.2	103.2		25	363	28			
JYSX 112/2.0	112	29.5		35.4	134.4		20	290	32			
JYSX 135/1.6	135	35.5		42.6	162		16	232	35			
JYSX 155/1.3	155	40.8		48.9	186		13	189	38			
JYSX 180/0.8	180	47.4		56.8	216		8	116	40			

Double diaphram head is available.

JYSZ

Hydraulic
Diaphragm Pump

MAIN PARAMETER

- Flow range: 10-400LPH@50Hz/12-480LPH@60Hz
- Pressure range: 11-200 Bar
- Power: **0.75kw** IEC80 4 Pole Motor
- Material: SS304; SS316, other on request*



PARAMETER TABLE

Model	50Hz			60Hz			pressure		Piston (mm)	Stroke Length (mm)	Inlet& Outlet Caliber	Connection
	Flow (LPH)	Flow (GPH)	SPM	Flow (GPH)	Flow (LPH)	SPM	BAR	PSI				
JYSZ10/20	10.0	2.6	96	3.2	12	115	200	2900	12	25	DN8	8*14 union for welding
JYSZ15/20	15.0	4.0	144	4.8	18	173	200	2900	12			
JYSZ35/10	35.0	9.2		11.1	42		100	1450	16			
JYSZ45/9.0	45.0	11.9		14.3	54		90	1305	18			
JYSZ60/7.2	58.0	15.3		18.4	69.6		72	1044	20		DN10	10*16 union for welding
JYSZ70/6.0	72.0	19.0		22.8	86.4		60	870	22			
JYSZ100/4.0	100.0	26.4		31.7	120		40	580	25			
JYSZ130/3.2	135.0	35.7		42.8	162		32	464	30			
JYSZ150/2.8	150.0	39.6		47.6	180		28	406	32		DN15	15*22 union for welding
JYSZ200/2.2	200.0	52.8		63.4	240		22	319	36			
JYSZ240/1.8	240.0	63.4		76.1	288		18	261	40			
JYSZ300/1.4	300.0	79.3		95.1	360		14	203	45			
JYSZ400/1.1	400.0	105.7		126.8	480		11	159	50		DN15	RF Flange

Doulble diaphragm heads or multiple heads are available.

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JYSR

Hydraulic
Diaphragm Pump



MAIN PARAMETER

- Flow range: 28-700LPH@50Hz/34-840LPH@60Hz
- Pressure range: 16-220 Bar
- Power: **1.5kw** IEC90 4 Pole Motor
- Material: SS304; SS316, other on request

PARAMETER TABLE

Model	50Hz			60Hz			pressure		Piston (mm)	Stroke Length (mm)	Inlet& Outlet Caliber	Connection
	Flow (LPH)	Flow (GPH)	SPM	Flow (GPH)	Flow (LPH)	SPM	BAR	PSI				
JYSR28/22	28	7.4	96	8.9	33.6	115	220	3190	16	30	DN10	10*16 union for welding
JYSR42/22	42	11	144	13	50	172	220	3190	16			
JYSR50/18	56	14		17	67		180	2610	18			
JYSR70/14	70	18		22	84		140	2030	20			
JYSR85/12	85	22		27	102		120	1740	22			
JYSR110/9.0	110	29		34	132		90	1305	25			
JYSR165/6.5	165	43		52	198		65	943	30		DN15	RF Flange
JYSR190/5.6	190	50		60	228		56	812	32			
JYSR250/4.5	250	66		79	300		45	653	36			
JYSR300/3.6	300	79		95	360		36	522	40			
JYSR380/2.8	380	100		120	456		28	406	45			
JYSR480/2.3	480	127		152	576		23	334	50		DN20	RF Flange
JYSR580/1.8	580	153		183	696		18	261	55			
JYSR700/1.6	700	185		222	840		16	232	60			

Doulble diaphragm heads or multiple heads are available.

JYSD

Hydraulic
Diaphragm Pump



MAIN PARAMETER

- Flow range: 40-2800LPH@50Hz/48-2160LPH@60Hz
- Pressure range: 18-350 Bar
- Power: **3kw** IEC100 4 Pole Motor
- Material: SS304; SS316, other on request

PARAMETER TABLE

Model	50Hz			60Hz			pressure		Piston (mm)	Stroke Length (mm)	Inlet& Outlet Caliber	Connection
	Flow (LPH)	Flow (GPH)	SPM	Flow (GPH)	Flow (LPH)	SPM	BAR	PSI				
JYSD40/35	40	10.6	100	12.7	48	120	350	5075	16	40	DN15	TG Flange (WN)
JYSD63/35	63	16.6	150	20.0	75.6	180	350	5075	16			
JYSD80/30	80	21.1		25.4	96		300	4350	18			
JYSD100/26	100	26.4		31.7	120		260	3770	20			
JYSD125/23	125	33.0		39.6	150		230	3335	22			
JYSD160/18	160	42.3		50.7	192		180	2610	25		DN15	TG Flange (WN)
JYSD240/12	240	63.4		76.1	288		120	1740	30			
JYSD260/11	260	68.7		82.4	312		110	1595	32			
JYSD340/8.5	340	89.8		107.8	408		85	1233	36		DN20	TG Flange (WN)
JYSD420/6.8	420	111.0		133.2	504		68	986	40			
JYSD540/5.6	540	142.7		171.2	648		56	812	45		DN20	RF Flange
JYSD670/4.5	670	177.0		212.4	804		45	653	50			
JYSD820/3.8	820	216.6		260.0	984		38	551	55		DN25	RF Flange
JYSD980/3.2	980	258.9		310.7	1176		32	464	60			
JYSD1100/2.8	1100	290.6		348.7	1320		28	406	63			
JYSD1160/2.6	1160	306.5		367.8	1392		26	377	65			
JYSD1350/2.3	1350	356.7		428.0	1620		23	334	70		DN32	RF Flange
JYSD1550/2.0	1550	409.5		491.4	1860		20	290	75			
JYSD1800/1.8	1800	475.6		570.7	2160		18	261	80			
JYSD2020/1.6	2020	531.6		637.9	2424		16	232	85			
JYSD2250/1.4	2250	592.1		710.5	2700		14	203	90		DN40	RF Flange
JYSD2500/1.2	2500	657.9		789.5	3000		12	174	95			
JYSD2800/1.0	2800	736.8		884.2	3360		10	145	100			

Doulble diaphragm heads or multiple heads are available.

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JYDR

Hydraulic
Diaphragm Pump



MAIN PARAMETER

- Flow range: 90-6850LPH@50Hz/108-8220LPH@60Hz
- Pressure range: 10-400 Bar
- Power: **5.5kw** IEC132 4 Pole Motor
- Material: SS304; SS316, other on request

PARAMETER TABLE

Model	50Hz			60Hz			pressure		Piston (mm)	Stroke Length (mm)	Inlet& Outlet Caliber	Connection
	Flow (LPH)	Flow (GPH)	SPM	Flow (GPH)	Flow (LPH)	SPM	BAR	PSI				
JYDR90/40	90	23.8	96	28.5	108	115	400	5800	20	60	DN15	TG Flange (WN)
JYDR140/40	140	37.0		44.4	168		400	5800	20			
JYDR220/32	220	58		70	264		320	4640	25			
JYDR315/22	315	83		100	378		220	3190	30			
JYDR360/20	360	95		114	432		200	2900	32			
JYDR480/15	480	127		152	576		150	2175	36		DN20	TG Flange (WN)
JYDR600/12	600	159		190	720		120	1740	40			
JYDR750/10	750	198		238	900		100	1450	45			
JYDR960/8.0	960	254		304	1152		80	1160	50			
JYDR1200/6.5	1200	317		380	1440		65	942.5	55		DN25	TG Flange (WN)
JYDR1450/5.5	1450	383		460	1740		55	797.5	60			
JYDR1550/5.0	1550	410	144	491	1860	173	50	725	63			
JYDR1650/4.6	1650	436		523	1980		46	667	65			
JYDR1920/4.0	1920	507		609	2304		40	580	70		DN32	RF Flange
JYDR2240/3.5	2240	592		710	2688		35	507.5	75			
JYDR2550/3.0	2550	674		808	3060		30	435	80			
JYDR2880/2.8	2880	761		913	3456		28	406	85			
JYDR3250/2.4	3250	859		1030	3900		24	348	90		DN40	RF Flange
JYDR3600/2.2	3600	951		1141	4320		22	319	95			
JYDR4000/2.0	4000	1057		1268	4800		20	290	100			
JYDR4900/1.6	4900	1295		1554	5880		16	232	110		DN50	RF Flange
JYDR5800/1.3	5800	1526		1832	6960		13	188	120			
JYDR6850/1.0	6850	1803		2163	8220		10	145	130			

Doulble diaphragm heads or multiple heads are available.

JYT

Hydraulic
Diaphragm Pump



MAIN PARAMETER

- Flow range: 180-10000LPH@50Hz 216-12000LPH@60Hz
- Pressure range: 10-400 Bar
- Power: **5.5kw** IEC132 4 Pole Motor
- Material: SS304; SS316, other on request

PARAMETER TABLE

Model	50Hz			60Hz			pressure		Piston (mm)	Stroke Length (mm)	Inlet& Outlet Caliber	Connection
	Flow (LPH)	Flow (GPH)	SPM	Flow (GPH)	Flow (LPH)	SPM	BAR	PSI				
JYT180/40	180	47.6		57.1	216		400	5800	25		DN15	TG Flange (WN)
JYT260/35	260	68.7		82.4	312		350	5075	30			
JYT300/30	300	79		95	360		300	4350	32			
JYT390/24	390	103		124	468		240	3480	36			
JYT480/20	480	127		152	576		200	2900	40		DN20	TG Flange (WN)
JYT600/15	600	159		190	720		150	2175	45			
JYT780/12	780	206		247	936		120	1740	50			
JYT950/10	950	251		301	1140		100	1450	55		DN25	TG Flange (WN)
JYT1100/8.5	1100	291		349	1320		85	1233	60			
JYT1250/8.0	1250	330		396	1500		80	1160	63			
JYT1300/7.5	1300	343		412	1560		75	1088	65			
JYT1500/6.3	1500	396		476	1800		63	914	70		DN32	RF Flange
JYT1800/5.5	1800	476	93	571	2160	112	55	798	75	80		
JYT2000/4.8	2000	528		634	2400		48	696	80			
JYT2300/4.3	2300	608		729	2760		43	624	85			
JYT2650/3.8	2650	700		840	3180		38	551	90		DN40	RF Flange
JYT3000/3.5	3000	793		951	3600		35	508	95			
JYT3300/3.1	3300	872		1046	3960		31	450	100			
JYT4000/2.6	4000	1057		1268	4800		26	377	110		DN50	RF Flange
JYT74900/2.2	4900	1295		1554	5880		22	319	120			
JYT5700/1.8	5700	1506		1807	6840		18	261	130			
JYT6600/1.6	6600	1744		2092	7920		16	232	140		DN65	RF Flange
JYT7700/1.4	7700	2034		2441	9240		14	203	150			
JYT8800/1.2	8800	2325		2790	10560		12	174	160			
JYT10000/1.0	10000	2642		3170	12000		10	145	170		DN80	RF Flange

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CONTROLLER

Metering Pump
Stroke Controller





METERING PUMP STROKE CONTROLLER

The controller changes the position of the stroke adjustment screw by receiving an input signal, thereby changing the length of each stroke of the metering pump for automatic control purposes.

MAIN ADVANTAGE

- **Adjustment range:** 0-100%
- Percentage display
- High accurancy
- Low maintenacne cost

- Remote controll and automatic controll
- Position feedback
- 4-20mA /RS485 signal controll
- Automatic / Manul controll

TECHNICAL PARAMETER

- **Ambient temperature:** 0-50℃
- **Voltage:** 220V±10% , 50Hz, single pahse
- **Input signal:** 4-20mA(Impedance 120Ω)
- **Output signal:** 4-20mA(Impedance 100-150Ω)

- **Protection level:** IP65
- **Humidity:** 90% (25℃)
- **Adjusting speed:** 0.5R/Minute
- **Power:** 28 W

PUMP ACCESSORIES



SAFTEY VALVE





BACK PRESSURE VALVE



PULSE DAMPER





Y FILTER



FOOT FILTER



NON-RETURN VALVE

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PACKAGED DOSING SYSTEM

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 , somtimes 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 manufacturering.









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.

AIR DIAPHRAGM PUMP LIST

Model	Product	Specification	Maximum Flow	Maximum Working Pressure	Size of Liquid Inlet And Outlet	Material	Maximum Transported Solid Granule
JQ06		1/4 inch Standard Type Plastic Pump Series	4.5gpm (17lpm)	100psi (7.0 bar)	1/4" Inlet And Outlet	Conductive Acetal PPK ynar (PVDF)	0.02 in. (0.5mm)
JQ10		3/8 inch Plastic Pump Series	7gpm (26.5lpm)	100psi (7.0 bar)	3/8" Inlet And Outlet Lined with Stainless Steel Reinforcing Sleeve	Conductive Acetal	1/16 in. (1.6mm)
JQ15		1/2 inch Standard Type Plastic Pump Series	13.2gpm (50lpm)	100psi (7.0 bar)	1/2" Side Inlet 3/4"Outlet Inlet And Outlet	Conductive Acetal Kynar (PVDF)	3/32 in. (2.5mm)
JQ15		1/2 inch Standard Type Metal Pump Series	13.2gpm (50lpm)	100psi (7.0 bar)	3/4" Outlet Inlet And Outlet	316 Stainless Steel 304 Stainless Steel Aluminum Alloy	3/32 in. (2.5mm)
JQ20		1/2 inch Standard Type Plastic Pump Series	13.2gpm (50lpm)	100psi (7.0 bar)	1/2" Side Inlet 3/4" Outlet Inlet And Outlet	Conductive Acetal Kynar (PVDF)	3/32 in. (2.5mm)
JQ25		1 inch Standard Type Plastic Pump Series	40gpm (150lpm)	100psi (7.0 bar)	3/4" Inlet And Outlet	Conductive Acetal Kynar (PVDF)	0.16 in. (4mm)
JQ25		1 inch Metal Pump Series	40gpm (150lpm)	100psi (7.0 bar)	1" Inlet And Outlet	Aluminum Alloy Ductile Iron 304/316	0.16 in. (4mm)
JQ40		1.5 inch Plastic Pump Series	90gpm (340lpm)	100psi (7.0 bar)	1.5" Inlet And Outlet	Conductive Acetal Kynar (PVDF)	0.2 in. (5mm)
JQ40		1.5 inch Metal Pump Series	90gpm (340lpm)	100psi (7.0 bar)	1.5" Inlet And Outlet	Aluminum Alloy Stainless Steel Ductile Iron	0.2 in. (5mm)
JQ40		1.5inch Metal Pump Series	90gpm (340lpm)	100psi (7.0 bar)	1.5" Inlet And Outlet	Aluminum Alloy Stainless Steel Ductile Iron	0.2 in. (5mm)
JQ50		2 inch Plastic Pump Series	150gpm (570lpm)	100psi (7.0 bar)	2"Flange Type Inlet And Outlet	Kynar(PVDF)	0.24 in. (6mm)
JQ50		2inch Metal Pump Series	150gpm (570lpm)	100psi (7.0 bar)	2" Inlet And Outlet	Aluminum Alloy Stainless Steel Ductile Iron	0.24 in. (6mm)
JQ80		3inch Plastic Pump Series	265gpm (1041pm)	100psi (7.0 bar)	3" Flange Type Inlet And Outlet	Aluminum Alloy	0.26 in. (10mm)
JQ80		3inch Metal Pump Series	265gpm (1041pm)	100psi (7.0 bar)	3" Flange Type Inlet And Outlet	Stainless Steel	0.26 in. (10mm)

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