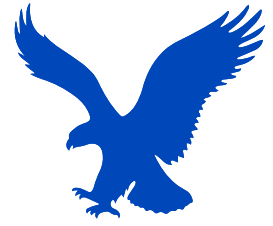


# High Pressure Hydraulic Diaphragm Pumps

Hydraulic Diaphragm Metering Pumps



EMOCLEW AMERICA



Metering Pumps

# High Pressure Hydraulic Diaphragm Pumps

## Hydraulic Diaphragm Metering Pumps

It consists of three main devices: (1) driving device, (2) adjusting device, (3) liquid delivery device.



### Description

High Pressure Hydraulic Diaphragm Pumps  
 JYSD Series Hydraulic Diaphragm Metering Pump  
 Capacity range 40-1800lph , 18-350bar  
 Power: 3w

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

### Parameter Table

Model	50Hz			60 Hz			Pressure		Plunger 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)						
JYSD40/35	40	11	100	13	48	120	350	5075	16	110	40	3(4)	DN10	DN10 WN
JYSD63/35	63	17	150	20	76	180	350	5075	16	110				
JYSD80/30	80	21		25	96		300	4350	18	130				
JYSD100/26	100	26		32	120		260	3770	20	130				
JYSD125/23	125	33		40	150		230	3335	22	130				
JYSD160/18	160	42		51	192		180	2610	25	130				
JYSD240/12	240	63		76	288		120	1740	30	130				
JYSD260/11	260	69		82	312		110	1595	32	130				
JYSD340/8.5	340	90		108	408		85	1233	36	150				
JYSD420/6.8	420	111		133	504		68	986	40	150				
JYSD540/5.6	540	143		171	648		56	812	45	170				
JYSD670/4.5	670	177		212	804		45	653	50	170				
JYSD820/3.8	820	217		260	984		38	551	55	170				
JYSD980/3.2	980	259	311	1176	32	464	60	180						
JYSD1100/2.8	1100	291	349	1320	28	406	63	180						
JYSD1160/2.6	1160	306	368	1392	26	377	65	190						
JYSD1350/2.3	1350	357	428	1620	23	334	70	190						
JYSD1550/2.0	1550	410	491	1860	20	290	75	200						
JYSD1800/1.8	1800	476	571	2160	18	261	80	220						

### Features of Emoclew Hydraulic Diaphragm Pumps

It 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. This reciprocating movements of the piston make the PTFE diaphragm and the liquid which is isolated by the diaphragm sucked and discharged. 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. Emoclew hydraulic diaphragm pumps are suitable for crossive, vaporing, flammable, explosive or toxic solutions. It can also transport suspended liquid or moderately viscous liquid.

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

Emoclew America, as one of the leading such manufacturers and suppliers, is professional in manufacturing high pressure hydraulic diaphragm pumps. Don't hesitate to buy advanced high pressure hydraulic diaphragm pumps with our factory. We will do our best to meet your requirement.



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