

MONIBA pumps are high precision positive displacement pumps, as per APL 675 International code for controlled volume pumps. The discharge can varied from zero to maximum capacity while pumps are running or at rest.

PUMP HEAD DESIGN :

- A. Plunger type liquid ends are suited for non hazardous liquids. Because of their simple design they are quite economical. They can be provided with flushing connections. In the case of molten liquids steam Jacketed heads can be provided. The jacket encloses the check valves and gland chamber. The valves are cartridge type and can be removed for servicing without dismantling the suction and discharge connections.
- B. Hydraulically operated diaphragm type heads are suitable. For service conditions involving hazardous toxic, radio active or poisonous liquid where product leakage is not at all permitted. The diaphragm is hydraulically actuated and has a long life as it is always the below mentioned chart is given only as guide. Pumps are manufactured to meet your required capacities and pressures. Other non standard pump SPM can also be offered.

Pump Model	PLUNGER DIA M. M.	Capacity Lit/hr at			Max. Pressure KG/Cm2
		75 Spm	100 SPM	150 SPM	
MOJPD 10	10	3.5	4.7	7	47
	18	11.4	15.5	25	13
	25	22.1	29.5	44.5	8
	30	31.9	42.5	63.8	5
MOJPD 20	35	45.45	60.0	86	4
	7	5	4.5	6	300
	15	16	21	32	80
	30	64	85	128	20
MOJPD 30	45	145	191	286	10
	62	272	363	544	5
	10	11	14	22	300
	20	45	56	86	80
MOJPD 40	35	130	174	260	25
	60	383	511	766	10
	85	770	1026	1540	5
MOJPD 60	12	20	27	40	300
	25	89	118	177	75
	45	285	380	570	20
	75	797	1065	1594	10
MOJPD 90	102	1500	2000	3000	5
	15	48	64	96	300
	30	192	225	383	75
	60	767	1022	1534	20
MOJPD 120	90	175	2300	3450	10
	120	3067	4090	6134	5
MOJPD 150	25	200	266	400	300
	60	1551	1533	2302	30.
	90	2587	3450	5174	25
	120	4601	6135	9201	13
MOJPD 180	150	7189	9585	14378	7

In hydraulic balance in with the liquid being pumped on one side and actuating fluid on the opposite side its function is basically that of a partition the diaphragm material is usually Teflon or synthetic rubber. The system is safe guarded by in built relief vacuum valve on the hydraulic side For very severe duty conditions or when handling slurry or hot liquids double diaphragm and remote, type heads can be provided.

TYPICAL APPLICATION :

Typical applications of our pumps are the accurate dosing and mixing of acids, alkalis, slurries, viscous liquids etc. Which may be pumped at elevated ambient or Low temperature, twenty four hours a day. Our range covers everything automated metering dosing system and comprises of plunger and diaphragm pumps with metering ranges from three to fifteen thousand LPH per pumps head. Pumps can be provided with upto twelve heads and all the necessary accessories can also be supplied.

STROKE ADJUSTMENT :

The pump discharge is variable while pump is running or at rest from zero (0%) to full stroke (100%) by means of a precision machined Crank equipped with a stroke length adjustment mechanism. The Stroke of the pump can be controlled either Manually (local) Automatic electrically or pneumatically, (Remote)

LIQUID END MATERIAL

- Wetted parts can be offered in :
- * Stainless steel 304
 - * Stainless steel 316
 - * Steel
 - * P. V. C.
 - * P. P.
 - * Teflon

SPECIAL FEATURES

Pumps can be offered in simplex, duplex or multiple heads, (up to Twelve heads) for handling different chemicals with a common motor. Each head would have independent connections and the capacity of each head can also be independently adjustable.



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Diaphragm Type
Metering & Dosing Pump



Air Operated Double Diaphragm Pump



S. S. Centrifugal Pump



Polypropylene Chemical Pump



Magnetic Driven Pump



"IN-LINE" Self-Priming S. S. Pump