

PRAISE YE THE LORD



JAZ PUMPS

*An ISO 9001 : 2015 CERTIFIED
COMPANY*

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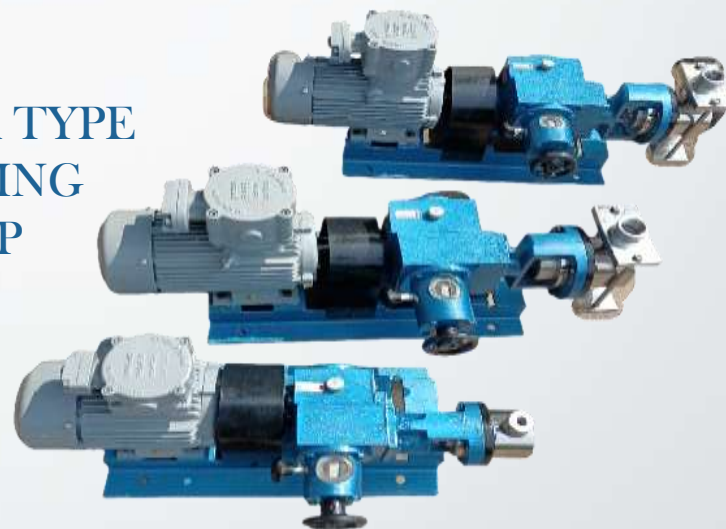
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DIAPHRAGM TYPE
DOSING PUMP



PLUNGER TYPE
METERING
PUMP



STEAM JACKETED
PLUNGER PUMP

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JAZ PUMPS

STEAM JACKETED PLUNGER PUMPS



- The “JAZ” Steam jacketed plunger pumps are suited to handle challenging applications such as carbolic acid, liquid sulfur, bitumen, paint, chocolate, molasses, waxes and heavy fuel oil.
- A jacket is a type of outerwear used for layering or for keeping warm in cold weather .
- The jacketing system efficiently heats the seal area and pump internals to maintain process temperature and integrity during operation.

- Viscosity Range: 28 to 2,000,000 SSU (1 to 440,000 cSt)
- Temperature Range: -120oF to 392oF (-85oC to 200oC)
- Inlet Pressure Range: Pulling from vacuum vessel to a maximum of 72.5 PSI (5 Bar) Max.
- Temperature of fluid in jackets: Saturated Steam: 365oF (185oC)
- M.O.C: SS316
- Capacity Adjustments : Manual(o-100SPM)



JAZ PUMPS

DIAPHRAGM TYPE DOSING PUMPS



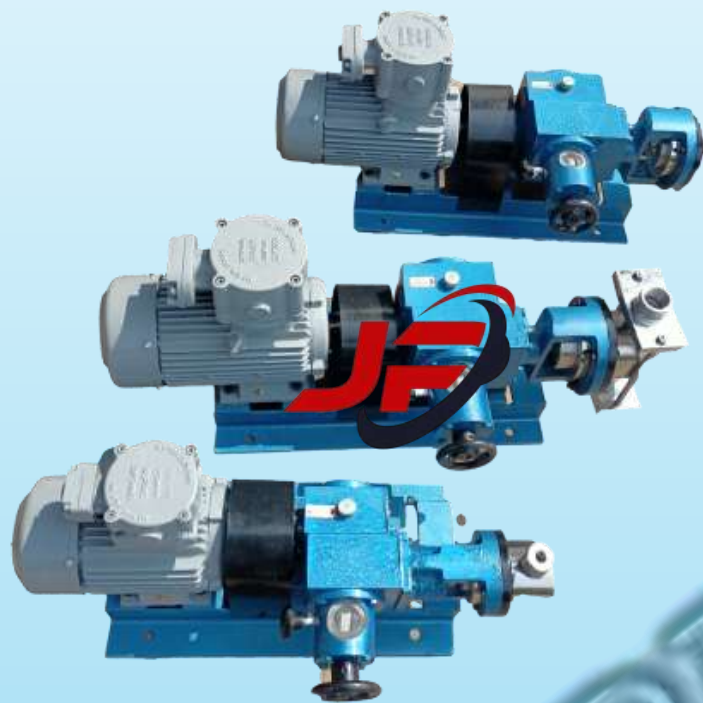
- ❑ A “JAZ” Diaphragm type Dosing pump is a positive displacement pump designed to operate as a proportional dosing pump.
- ❑ Two flexible membranes mounted on a shared shaft that repeatedly moves back and forth to pump fluids in and out of the pump's fluid chamber.
- ❑ A combination of the reciprocating action of a rubber, thermoplastic or PTFE and suitable valves on either side of the body.

- ✓ Capacity: 0.25 upto 6000LPH.
- ✓ Max. Discharge Pressure: Upto 250 Kg/cm²
- ✓ M.O.C: SS316,PP
TEFLON,PTFE
- ✓ Temperature Range:10° C to 75° C in “JAZ “Diaphragm type dosing Pumps.
- ✓ Capacity Adjustments :
Manual(0-100SPM)



JAZ PUMPS

PLUNGER TYPE METERING PUMPS



- ❖ The “JAZ” Plunger type metering pumps in which a plunger slides back and forth within a stuffing box, increasing and decreasing the working volume.
- ❖ Fresh feed chemical flows through the suction valve into the dosing head.
- ❖ Pressure can be controlled without affecting flow rate.

- Manual stroke length control standard .
- Accuracy up to $\pm 1\%$.
- Process Temperature from -20°C to 120°C .
- Viscosity standard at 30,000 cps.



JAZ PUMPS

Please confirm the below information before order:

1. Liquid
2. Capacity
3. Pressure
4. Temperature
5. Viscosity
6. Solid content.

Features:

1. Compact instruction, safe, non-leakage, perfect instruction design, long duty.
2. Non-corrosive, wide application, suitable for any corrosive liquid.
3. M.O.C:
SS316,PP,PTFE,TEFLON.
4. Flow can be adjusted when the pump is running or stopped.

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.

Summary:

- ❖ The “JAZ” Plunger Type Metering ,Diaphragm Type Dosing, Steam Jacketed Metering Pump which are reciprocating positive displacement pumps, provide the greatest possible metering accuracy. They set the standard for safety, reliability and efficiency, especially when it comes to pumping supercritical fluids.
- ❖ Every acid metering pump made by “JAZ” is designed with particular strengths: Whether your needs include energy-efficiency, low maintenance costs, or an extremely long service life for diaphragms. Or perhaps you are looking for a metering pump model that can handle supercritical fluids, or one that meets the highest requirements and demands of the oil, chemistry, cosmetics, pharmaceutical and biotechnology, or food and beverage industry.

TYPICAL APPLICATIONS:

- ❑ 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 temperatures, twenty four hours a day.
- ❑ Our range covers everything from the single pump to a complete automated metering dosing system and comprises of plunger and diaphragm pumps with metering ranges from three to twelve thousand LPH per pump head.
- ❑ Pump can be provided with upto six heads and all the necessary accessories can also be supplied.

JAZ PUMPS

PUMP MODEL SELECTION CHART

PUMP MODEL	PLUNGER DIA. MM	CAPACITY LIT/HR			MAX. PRESSURE KG/SQ/CM
		75 SPM	100 SPM	150 SPM	
JP-10 STROKE LENGTH 10 MM	10	3.5	4.7	7	47
	18	11.4	15.3	23	15
	25	22.1	29.5	44.3	8
	30	31.9	42.5	63.8	5
	35	43.45	60.0	86	4
JP-20 STROKE LENGTH 20 MM	7	3	4.5	6	300
	15	16	21	32	80
	30	64	85	128	20
	45	143	191	286	10
	62	272	363	544	5
JP-30 STROKE LENGTH 30 MM	10	11	14	22	300
	20	43	56	86	80
	35	130	174	260	25
	60	383	511	766	10
	85	770	1026	1540	5
JP-40 STROKE LENGTH 40 MM	12	20	27	40	300
	25	89	118	177	75
	45	797	1063	1594	20
	75	797	1063	1594	10
	102	1500	2000	3000	5
JP-60 STROKE LENGTH 60 MM	15	48	64	96	300
	30	192	225	383	75
	60	767	1022	1534	20
	90	1725	2300	3450	10
	120	3067	4090	6143	5

