



Estd 1969

JAGDISH ENGINEERING WORKS

High-Performance Industrial Pumps & Valves

MANUFACTURER • SUPPLIER • EXPORTER

Metering / Dosing Pumps | Valves | Flanges & Fittings

www.jewpump.com

SIMPLEX METERING / DOSING PUMP

Jagdish Engineering Works (JEW) is a premier manufacturer, supplier, and exporter of high-precision reciprocating plunger, steam-jacketed, positive, and displacement pumps. Engineered in Mumbai, India, to international quality benchmarks, our pump ranges fulfill critical customer requirements worldwide with robust build and affordable pricing.

PLUNGER TYPE PUMP FEATURES

- Chemical lifting (Self-Priming) and reliable transfer to the required discharge head.
- Operational stability: Variations or differences in the discharge head do not affect the pump capacity.
- High-precision dosing in reaction vessels or against system pressure, ensuring repeatability with a maximum variation of up to **2%**.
- Versatile capacity capabilities ranging seamlessly from **0.2 Ltrs/hr** up to **5,000 Ltrs/hr**.

TECHNICAL SPECIFICATIONS (JEW GDP SERIES)

Model Series	JEW (GDP) Series
Capacity Range	5 LPH to 6000 LPH
Working Pressure	Normal 5 to 7 kg/cm² (High pressure options offered up to 200 kg/cm²)
Strokes Per Minute	100 / 150 / 200 SPM
End Connections	Flanged Ends, Threaded Ends, or customized as desired
Suction / Discharge	Up to 300 LPH: ½" Above 300 LPH: ¾", 1", 1¼", 1½", 2", 2½", 3"
Flow Adjustment	Adjustable from 0 to 100% capacity while running or at rest via Micrometer (Suggested range between 10% to 100%).
Liquid Suitability	Suitable for Acidic / Alkaline liquids.

MATERIALS OF CONSTRUCTION (MOC)

Pump Head, Plunger & Valves	S.S. 304 / S.S. 316 / S.S. 316L / Hastelloy "C"
Gland Packing	PTFE (Teflon)
Gear Box Housing	Graded Cast Iron (C.I.)
Base Plate	Mild Steel (M.S.)
Press Relief Valve Size:	1/2", 3/4", 1" & 1 1/2", 2" in SS 304 / SS 316 or any other material.
Suction Strainer Size:	1/2", 3/4", 1" & 1 1/2" in SS 304 / SS 316 or any other material.
Pulsation Dampener:	SS 304 / SS 316 or any other material suitable for the pumps.

DIAPHRAGM PUMP SERIES

For high-consequence fluids like ***H₂SO₄***, ***HCl***, hazardous, and corrosive chemicals, the JEW Diaphragm Pump stands as the optimal solution. It delivers a **100%** leak-proof performance featuring a long-lasting engineered diaphragm.

Advanced Protection Technology: Integrated hydraulic oil chamber equipped with a compensating relief valve ensures extended service life and auto-releases excessive backpressure on the system.

Drum Decanting Efficiency: Safely and cleanly lift hazardous chemicals from drums or tanks up to a suction height of 9 feet, discharging directly into pressurized lines or open vessels.

TECHNICAL SPECIFICATIONS

Pump Type	Reciprocating Positive Displacement Mechanical / Hydraulic Diaphragm Pump
Capacity Range	5 Ltrs/hr to 6,000 Ltrs/hr
Maximum Pressure	30 Bar
Flow Regulation	0 - 100% via Manual control or Automatic control system integration through PLC
Pump Body MOC	Graded Cast Iron (C.I.); Base Frame: M.S. Fabricated
Wetted Parts MOC	S.S. 304 / S.S. 316 / S.S. 316 L / Teflon / Polypropylene (P.P.)
Diaphragm Materials	Teflon, Viton, Neoprene, EPDM, and Teflon-faced Neoprene
Special Features	Multi-head pump configurations available; Glandless zero-leakage design

STANDARD ACCESSORIES & DOSING SYSTEMS WITH SKID

Complete integrated dosing systems are available with skid and comprehensive process controls along with individual line components:

Y-Type Suction Strainer

Pulsation Dampener

Pressure Relief Valve

Injection Valve

Foot Valve

AODD PUMP

Our Air Operated Double Diaphragm (AODD) pumps are engineered for optimal versatility, high fluid-handling reliability, and extreme ease of maintenance across severe operational fields.

TECHNICAL SPECIFICATIONS SUMMARY

Type	Air Operated Double Diaphragm (AODD) Pump
Sizes Available	3/8" to 4"
Materials (MOC)	Polypropylene (PP), PTFE, Aluminium, Stainless Steel 316 (SS316)

PRODUCT GALLERY



Plunger Dosing / Metering Pump



Diaphragm Dosing Pump



Skid Dosing Unit



Air Operated Double Diaphragm Pump

PRESSURE SAFETY / RELIEF VALVE

JEW Pressure Safety and Relief Valves provide critical overpressure protection for line-pressurized systems, downstream process units, and chemical piping networks. By venting excess system pressures safely, they prevent catastrophic failures of expensive equipment, pumps, process systems, and driving motors.

QUALITY ASSURANCE & CAPABILITY

- Every valve body is subjected to thorough rigorous hydraulic testing.
- For critical high-temperature steam applications, JEW provides **Nitrogen-tested valves** providing a strict 100% Performance Guarantee.
- Full capability to comfortably operate across demanding temperatures up to **300°C**.

VALVE TECHNICAL PROFILES

Size Range	<i>¼", ⅜", ½", ¾", 1", 1½", 2", 3", 4"</i>
Set Pressure Range	<i>2 to 300 Kg/cm² (Up to 300 Bar)</i>
Materials (MOC)	High-grade Carbon Steel, Alloy Steel, Stainless Steel (S.S. 304 / S.S. 316), Hastelloy "C", Alloy 20, PP, and Teflon
End Configurations	Screwed End / Flanged End
Key Highlights	Set pressure is easily adjustable on-site; Excellent resistance to general process corrosion; High durability with exceptionally low maintenance indexes.

Materials (MOC)

Key Highlights

PRODUCT GALLERY — SAFETY VALVES



Pressure Safety Value

COMMERCIAL & CORPORATE INTERFACING

For custom quotes, site-specific configurations, or expert system selection guidance, kindly connect with our management team:

Proprietor: Mr. AMAR SHAH — 9322226290

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Email: jew@jewpump.com | jewpumps@gmail.com

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Plant Address: Shed No - 3, Nirmal Rubber Board Compound, Near Rocky Industrial Est, Behind Upkar Hotel, Bldg. No. 2, I. B. Patel Road, Goregaon (East), Mumbai - 400 063.