

DIAPHRAGM DOSING PUMPS WITH SPARE (MECHANICALLY ACTUATED DIAPHRAGM)

MATERIAL OF CONSTRUCTION

Pump Part	Material
Frame	SS 316
Pump Head (Liquid Ends)	Stainless Steel 316/316L Preferable
Valves (Body, Seat, Balls)	SS316/316L Cr ₂ O ₃ Coated
Seals	Viton
Diaphragm	PTFE

BILL OF QUANTITY

Item No.	Type (No. of Heads)	Flow Rate (Liters/hr)	Fluid	Proposed Model	Qty Req.	Spares Parts
1.	Simplex 1-Head	0 to 5	Nitric Acid 60% Conc	GM0005SP9MN N Milton Roy or Equivalent	20 Nos.	Complete Set: 20 No. Including: Valves Set (Inlet/Outlet) 04 No. Diaphragm with Assembly: 01 No. O-Ring (Valve Seat): 04 No. Lip Oil Seal: 01 No.

ELECTRIC MOTOR

Electric Motor	Vertical Mounted 400VAC, 3 Phase, 50 Hz, Insulation Class F, Shielding IP.55, Squirrel Cage TEFC, Temperature Rise Class B, Coated with acid resistant Paint.
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TECHNICAL REQUIREMENTS:

Pump Part	Material
Fluid handled	Highly Corrosive Nature (Nitric Acid 60% Conc)
Steady State Accuracy	± 1% of full capacity over the 100:1 turndown ratio
Stroke Adjustment	Industrial duty variable eccentric stroke adjustment mechanism yields a 10 to 1 turn down ratio
Pressure (Max)	07 bars
Temperature (°C)	40
End Connections	Flanged, ASME 150 lbs, RF, Suction/Discharge: DN 15
Coating	Acid Resistant 2-part epoxy
Make	Milton Roy

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TERMS AND CONDITION OF OFFER

- i. Only proposed model / equivalent will be considered and the purchaser reserves the right to reject equivalent models on technical basis.
- ii. The firms must clearly mention the original manufacturer name, model no. and country of origin of the quoted items on their offer.
- iii. Offer should complete in all respect, including prices of pumps & spares. The purchaser reserves the right to reject the Partial offer on technical grounds.
- iv. Detailed prices are to be quoted as stated below:
 - Separate price of each type of pump.
 - Price of each spare for required quantity of each item to be quoted separately.
- v. The material of construction of each part must comply with indented material. In case of any variation; the offer will be technically rejected.
- vi. Detailed technical literature and brochures of quoted models must accompany with the offer and without complete details/manufacturer's specifications or incomplete specifications. The purchaser reserves the right to reject the offers on technical grounds.