

Centre for Rural Development and Technology

Date: 21/11/2013

Quotations in sealed envelope should be send to **Prof. S.N. Naik, Room No. 389, Block III, Centre for Rural Development and Technology, IIT Delhi, Hauz Khas, New Delhi-110016** on or before 05/12/2013 for the following equipments.

Preparative High Performance Dual Piston Pump

Technical Specifications:

1. **Flow rate:** 0.1–300 mL/min
2. **Max. Pressure:** Constant Flow: 8,500 psi
Constant Pressure: 10,000 psi
3. **Accuracy:** $\leq 2\%$ of set point
4. **Precision:** 0.5% RSD
5. **Pulsation:** $<\pm 5.0\%$ @ 150mL/min; 3,000 psi
6. **Power:** Universal, 240 V AC, 50 Hz
7. **Keypad control:** Flow rate, run/stop, alarms, read; LCD keypad control and RS-232 interface pressure, set upper/lower limits
8. **Remote inputs:** RS-232 serial interface, voltage (0–10 volts), enable run/stop
9. All pipe connections and fittings should be in BS system.

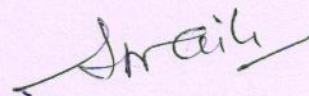


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Supercritical fluid pump for CO₂ applications

Technical Specifications of the pump


1. Flow rate: 0.1 to 200-250 ml/min
2. Pressure: 200 to 300 bar
3. Pressure accuracy: +/- 2-5 % of full scale pressure
4. Flow accuracy: +/- 5 % of CO₂
5. Microprocessor advanced control
6. Pressure display and control
7. Chemical resistant body and digital display
8. Auto stop of the pump below/above the preset pressure value
9. Maximum Operating Temperature: 100°C
10. It should deliver both liquid and supercritical CO₂
11. Inlet and outlet bulk head filters
12. Working Media: CO₂ cylinder with dip tube
13. Power requirements: 220V AC, 50 Hz.
14. All pipe connections and fittings should be in BS system



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Terms and conditions covering submission of quotations

1. Price quoted
The rates quoted must preferably be for free delivery CIF, IIT Delhi after allowing the discount, if any.
2. Terms of payment
Our normal terms of payments within 30 days after receipt of stores in sound condition by means of cheque or Letter of Credit which ever is applicable.
3. Directors rights
Director reserves the rights of acceptance or rejection of any or all quotations. The discretion for increasing of the quantities demanded also vests with him.
4. Validity of quotations
Quotations will be considered valid for 3 months from the date of receipt unless otherwise stated.
5. Correspondence
No correspondence regarding acceptance or rejection of a quotation will be entertained.
6. Samples
Samples where asked for, will invariably be made available and sent along with the quotations.
7. Method of submission of quotation
Quotations should be sent in a sealed cover marked at the top OUR N.I.Q. REFERENCE AND DUE DATE as otherwise these will not be considered. Quotation should contain separately sealed
(i) Commercial bid and
(ii) Technical bid
both in one main-sealed cover
8. Discount/rebates
Special discount/rebate wherever admissible keeping in view that the item supplied are being made for Educational purpose in respect of Public Institution of National importance may please be indicated.
9. Compliance Statement
Compliance Statement against tender specifications must be submitted. Quotation not satisfying the same will be rejected.
2 year.
10. Warranty
11. Rejection
Quotation not conforming to the set procedures as above will be rejected.



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