

**Department of Chemistry**  
**Indian Institute of Technology Kanpur**

Enquiry No: CHM/BS/08  
Enquiry Date: 18-02-2015  
Closing Date: 09-03-2015



*Dear Sir or Madam: Quotations are invited for “Parallel high pressure screening system”*

**TECHNICAL SPECIFICATIONS FOR**  
**“PARALLEL HIGH PRESSURE SCREENING SYSTEM”**

*The Following technical specifications have to be met for multi-sample screening vessel. It should be designed to provide a simple easy-to-use tool for high-pressure screening. They can be used directly on a stirring hot plate or oil baths.*

1. Number of ports: 7
2. Maximum Temperature of main body: 250°C
3. Maximum Pressure of main body: 100bar
4. MOC of main body : Hastelloy C
5. Gas Inlet & Outlet Connection: Swagelok ¼” or 1/8” 3-way Ball Valve
6. Coolant Connection: Swagelok ¼” Hose Barb
7. Reaction Vial MOC: Borosilicate Glass
8. Reaction Vial Volume: 10ml maximum
9. Temperature Measurement: K-type thermocouple or PT-100 probe
10. Pressure Measurement: 50mm Pressure Gauge 0-100 Bar -1/4" Tube Stub - REAR MOUNT
11. O-Ring MOC: Perlast or Viton
12. Stirring: PTFE coated Magnetic Stirrer Bar - 6mm dia. x 20mm Length - 10 Nos.
13. Silicon Cap for cold fingers to avoid solvent loss and cross-contamination
14. Additional 10 Reaction Vial should be provided along with the setup.
15. Holder to hold the reactor to keep it on the hot plate.

## **Terms and Conditions:**

1. Prices should be upto IIT Kanpur including packing and forwarding, insurance and freight.
2. Prices offered should be free delivery to
  - A. IITK, Kanpur or
  - B. CIF, New Delhi or,
  - C. If item is imported then firm should quote the price on F. O. B. basis, pick up by our world wide transport provider
3. Prices should include transportation, installation and maintenance for 3 year from the date of installation at free of cost, which includes all manufacturing flaws.
4. Proprietary / Dealership certificate, if any.
5. Minimum 3 years warranty.
6. Validity of quotation should be at least for 90 days.
7. Maximum educational discount.
8. Other specification according to the above technical requirements including commercial bids.

Kindly mention “**Parallel high pressure screening system (CHM/BS/08)**” on sealed envelope-carrying quotation, literature and send your best offer so as to reach us on before 1<sup>st</sup> March 2015 to the following address.

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