



Indian Institute of Technology
Department of Biological Sciences and Bioengineering
Kanpur 208 016, INDIA

Dr Ashok Kumar

Associate Professor

Tel: +91-512-259-4051

Fax: +91-512-259-4010

Email: ashokkum@iitk.ac.in

Date: 16-01-2012

Closing Date: 23-01-2012

Ref. No. AK/BSBE/2011-12/02

Subject: Request for submission of quotation/tender for “Refrigeration/Cryostat Open Circulator Bath connected to Insulated Jacketed Cylindrical Container”

Please send a sealed quotation in duplicate for **Refrigeration/Cryostat Open Circulator Bath connected to Insulated Jacketed Cylindrical Container** for our laboratory at the Department of Biological Sciences and Bioengineering (BSBE), Indian Institute of Technology Kanpur (IIT K) with specification and requirement as given below. The quotations should include taxes, warranty, educational discounts if any, freight and delivery. The quotation should reach our office at below mentioned address on or before **23.01.2012**.

REFRIGERATION/CRYOSTAT OPEN CIRCULATOR BATH connected to Insulated Jacketed Cylindrical Container

SPECIFICATIONS

TEMPERATURE RANGE	:	-24 TO +150 DEGREE C,
COOLING CAPACITY	:	700 W AT 20C,
WORK AREA	:	(D X W XL): 8 X 11.7 X12.2 INCH.
WORKING VOLUME	:	26 LITERS BATH VOLUME,
HEATING CAPACITY	:	2.0 KW HEATER,
CIRCULATION SYSTEM	:	FORCE SUCTION PUMP 20 L/MIN & 474 MBAR (330 MBAR SUCTION)
RESERVOIR	:	STAINLESS STEEL
CERTIFICATION/ COMPLIANCE	:	UL/CSA/CE/ROHS/WEEE
CYLINDRICAL SYNTHESIS SYSTEM	:	JACKETED AND INSULATED OF 1000 X 150 MM,
MOC	:	STAINLESS STEEL.
WORKING TEMPERATURE	:	- 20 DEGREE C.
INSULATION	:	PROPER 25 – 40 MM.
SAMPLE HOLDERS	:	FACILITY TO HOLD AT LEAST 24 SAMPLES OF FOUR INCH DIA.

IT SHOULD COME WITH REMOTE SENSOR PORT, ENERGY SAVING MODE FOR POWER SAVING, CONTROLLER FIXED AT 90 DEG. FOR EASY VIEWING, DRAIN PORT SHOULD BE IN FRONT.

IT SHOULD COME WITH COMMUNICATION CABLES, BRIDGE WITH GASKET AND THUMB SCREWS, 8MM AND 12MM HOSE BARBS WITH CLAMPS, EXTERNAL CIRCULATION PLUMBING, 6-FT. POWER CORD, WORK AREA COVER.

INSULATED JACKETED CYLINDRICAL CONTAINER

- Insulated Jacketed Stainless Steel Cylinder – 1 meter height x 15-20 cm diameter
- Outer Jacket Stainless Steel- Covering inner cylinder (with a gap of about 5 cm)
- Stand to hold the vertical cylinder
- Connections (inlet and outlet) with circulating refrigerator/cryostat circulator water bath.

- **Warranty:** Preferably two years from the date of installation
- **Installation and demonstration:** Free of charge at the site of use.
- **Proprietary,** authorization/distribution, instrument brochures and any other relevant documentation should be submitted along with the quotation.

Dr. Ashok Kumar
Department of Biological Sciences and Bioengineering
Indian Institute of Technology Kanpur, Kanpur-208016, UP, India