

Request for Quotation (RFQ) for the supply of a pressure flow controller to the CSIR

RFQ No: 5920/03/10/2022

Date of issue	Monday, 19 September 2022
Closing Date and Time	Monday, 03 October 2022 at 16:30
Contact details	For submission of quotations or any other enquiries: tender@csir.co.za Mail size is limited to 25MB, if the document exceeds this limit please send multiple mails. Cloud submissions will not be accepted

1 INVITATION FOR QUOTATION

Quotations are hereby invited for the supply of a pressure flow controller to the CSIR.

2 QUOTATION REQUIREMENTS

Product description	Product specifications	Quantity
FLOW SENSOR 4 DIGITAL (MFS-D-4)	Microfluidic flow sensor - Working range from 0 to 1000 μ L/min for water, from 0 to 10 ml/min for IPA - Compatible with OB1 MKIII+ and Sensor Reader v2 only - Software included - 1-year warranty -	2
KIT FITTINGS OB1 STARTER PACK LUER (KFI-01)	Toolbox kit contains the fittings to go from the pressure source to the controller, the controller to the reservoirs and the reservoirs to the chips. (Reservoirs not included) Includes: <ul style="list-style-type: none"> • BLUE PFA Nuts Flangeless 1/4"-28 Fitting for 1/16" Tubing with ETFE Ferrules Flangeless 1/16" (x10) • 1/4"-28 Thread to 3/32" OD Barb (x10) • PTFE Tape for Sealing (1 max per parcel) • Pneumatic Cross Tube-to-Tube Adapter for 6mm OD Tubing (x1) • Pneumatic Tee Tube-to-Tube Adapter for 6mm OD Tubing (x1) • Coil Tubing 6mm OD (2m) • steel wing hose clip, 11-16mm diameter (x1) • steel wing hose clip, 14-22mm diameter (x1) 	1

	<ul style="list-style-type: none"> • Tailpiece adaptor, 1/4 in BSPTM x7mm hose ID (x1) • Tailpiece adaptor, 1/4 in BSPTM x10mm hose ID (x1) • Male parallel straight adaptor G1/4 x 6mm (x1) • Male parallel straight adaptor G1/4 x 8mm (x1) • Male parallel straight adaptor G1/4 x 10mm (x1) • Brass female sleeve, 1/4in BSPP Female-Female (x1) • Toggle Lever Pneumatic Manual Control Valve, G 1/4, Brass, Nylon (x1) • Male Luer Integral Lock Ring Plug (x10) Male Luer Integral Lock to 3/32" OD Barb (x10)- 4mm OD PU Tubing (5m) • PTFE Teflon Tubing Spare Roll 1/16" OD x 1/32 ID (50meters = 164 feet). • Set of flow resistances: 1/16 OD PEEK Tubing , 50 µm ID (x 20 cm) , 65 µm ID (x 20 cm) , 100 µm ID (x 20 cm) , 175 µm ID (x 20 cm) , 250 µm ID (x 20 cm) - 1/4-28 to 1/4-28 internal threads Standard Union (x 2) - Microfluidic Tubing Cutter (x 1) - 5µm Luer lock Filter. 	
KIT FITTINGS 1/4-28 & 3/32 BARB for 1/16" OD	<p>Add-on for 1/4-28 threaded items (tanks XS, S, M, L, Manifolds, Flow Resistances, Bubble trap Must Include:</p> <ul style="list-style-type: none"> • BLUE PFA Nuts Flangeless 1/4"-28 Fitting for 1/16" Tubing with ETFE Ferrules Flangeless 1/16" (x10) • 1/4"-28 Thread to 3/32" OD Barb (x10) • PTFE Tape for Sealing 	1
MUX DISTRIBUTION (MUX-D-12)	<p>12/1 port automated distribution valve Internal volume: 3.5 µL - No dead volume Switching time (average): 156 ms - Wetted materials: PCTFE or PTFE - Standard ¼-28 fluidic fittings Delrin Plug 1/4-28 at bottom (x11) • PTFE Tape for Sealing 1-year warranty</p>	1
SHIPMENT PACKING & INSURANCE – WORLD (S-A0)	Shipment to countries of Africa, Asia & Oceania	1
FLOW SENSOR 3 DIGITAL (MFS-D-3)	<p>Microfluidic flow sensor Working range from 0 to 80 µL/min with aqueous solutions • Compatible with OB1 MKIII+ and Sensor Reader v2 only • Software included. Comes with 6-40 to 1/4-28" adapters.</p>	2
OB1 CONTROLLER [2222] (OB2-2222)	<p>4-Channels Pressure & Flow Control Unit Channel #1 = 0/2000 mbar Channel #2 = 0/2000 mbar Channel #3 = 0/2000 mbar Channel #4 = 0/2000 mbar. With Micro Fluidic Air Flow Cleaner Kit (5 µm pore size pneumatic Filter).</p>	1
KIT RESERVOIR TANK S - 2 PORTS 15ML	Anodized Aluminum Falcon adapter Cap with 2 flat bottom 1/4-28 ports (x1) • 15 mL Falcon Tube (x4) - NOTES: • 1/4-28 Fittings	8

(KPT-M-2)	not included • Rubber seal gasket	
KIT FITTINGS 1/4-28 UNIONS KIT (KFI-10)	1/4-28 to 1/4-28 internal threads Standard Union (x 2)	1
KIT FITTINGS 1/4-28 TO 1/16" OD (KFI-17)	Add-on for 1/4-28 threaded items (MUX distribution, MUX recirculation, tanks XS, S, M, L, Manifolds, Flow Resistances, Bubble trap. Includes BLUE PFA Nuts Flangeless 1/4"-28 Fitting for 1/16" Tubing with ETFE Ferrules Flangeless 1/16" (x10)	2
PEEK BUBBLE TRAP - MEDIUM	Autoclavable Bubble Trap MEDIUM • Internal volume 95 µL • Material = PEEK. Includes: Replacement PTFE membrane (1pc Ref KBT-X-0) • 1/4"-28 Fittings for 1/16" Tubing (2pcs).	1
KIT MANIFOLD LARGE	• Manifold body 9-port 1/4-28 thread for 1/16" OD tubing (x1) • Delrin Plug 1/4-28 at bottom (x7) • PTFE Tape for Sealing	1

3 EVALUATION CRITERIA

- 3.1 Selection of suppliers will be based on the 80/20 preference point system.
- 3.2 Provide valid original or certified copy of the B-BBEE Certificate issued by an accredited verification agency and bearing a SANAS logo; or
 - Valid sworn affidavits made on DTIC designed templates; or
 - DTIC issued sworn affidavit; or
 - CIPC issued B-BBEE certificate.
- 3.3 No order will be issued or no contract will be signed without a valid CSD number.

4 ELIMINATION CRITERIA

- Submission after the deadline;
- Proposals submitted at the incorrect email address
- Failure to adhere to quotation requirements
- Bidders that are registered on the National Treasury Register of Tender Defaulters
- Incomplete proposal submission
- National Treasury Restricted suppliers
- Failure to submit fully completed and signed SBD 4 and SBD 1.
- Indicate the delivery time lines

5 PRICING QUOTATION

- 5.1 Price needs to be provided in South African Rand (excl. VAT), with details on price elements that are subject to escalation and exchange rate fluctuations clearly indicated.
- 5.2 Price should include additional cost elements such as freight, insurance until acceptance, duty where applicable, etc.
- 5.3 Payment will be according to the CSIR Payment Terms and Conditions.

6 OTHER TERMS AND CONDITIONS

- 6.1 The supplier shall under no circumstances offer, promise or make any gift, payment, loan, reward, inducement, benefit or other advantage, which may be construed as being made to solicit any favour, to any CSIR employee or its representatives. Such an act shall constitute a material breach of the Agreement and the CSIR shall be entitled to terminate the Agreement forthwith, without prejudice to any of its rights.
- 6.2 A validity period of 90 days will apply to all quotations except where indicated differently on the quote.

7 CSIR RESERVES THE RIGHT TO

- 7.1 Extend the closing date;
- 7.2 Verify any information contained in a submission;
- 7.3 Request documentary proof regarding any tendering issue;
- 7.4 Give preference to locally manufactured goods;
- 7.5 Appoint one or more service providers, separately or jointly (whether or not they submitted a joint proposal);
- 7.6 Award this RFQ as a whole or in part;
- 7.7 Cancel or withdraw this RFQ as a whole or in part.

8 No goods and/or services should be delivered to the CSIR without an official CSIR Purchase order. CSIR purchase order number must be quoted on the invoice. Invoices without CSIR purchase order numbers will be returned to supplier.

9 Note: This is not a Purchase Order.

DECLARATION BY TENDERER

Only tenderers who completed the declaration below will be considered for evaluation.

RFQ No:

I hereby undertake to render services described in the attached tendering documents to CSIR in accordance with the requirements and task directives / quotation specifications stipulated in RFQ at the price/s quoted. My offer/s remains binding upon me and open for acceptance by the CSIR during the validity period indicated and calculated from the closing date of the quotation.

I confirm that I am satisfied with regards to the correctness and validity of my quotation; that the price(s) and rate(s) quoted cover all the services specified in the quotation documents; that the price(s) and rate(s) cover all my obligations and I accept that any mistakes regarding price(s) and rate(s) and calculations will be at my own risk.

I accept full responsibility for the proper execution and fulfilment of all obligations and conditions devolving on me under this quotation as the principal liable for the due fulfilment of this quotation.

I declare that I have no participation in any collusive practices with any tenderer or any other person regarding this or any other quotation.

I accept that the CSIR may take appropriate actions, deemed necessary, should there be a conflict of interest or if this declaration proves to be false.

I confirm that I am duly authorised to sign this quotation.

NAME (PRINT)
CAPACITY
SIGNATURE
NAME OF FIRM
DATE

WITNESSES	
1
2
DATE:	