# NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

DEPARTMENT OF CHEMISTRY

POST SRINIVASNAGAR, MANGALORE - 575 025 (D K)

Phone: (0824) 2474000.

E- mail: info@nitk.ac.in

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# **TENDER DOCUMENT**

Tender Notification No: CY/NITK/VGST/2020

Date: 22/10/2020

Name of Goods	Rota evaporator with refrigerated circulating bath and vacuum pump
Estimated amount put to Tender	₹ 300000/- (Including GST)
EMD Amount (2% of estimated amount)	₹ 6000/-
Time for Supply of item	30 days
Bid Document Download Start Date	22/10/2020, 5:00 p.m.
Clarification Start Date	NA
Clarification End Date	NA
Bid Submission Start Date	22/10/2020, 5:00 p.m.
Bid Submission End Date	16/11/2020, 3:00 p.m.
Address for Submission of Tender	https://eprocure.gov.in/
Opening date of technical bid	17/11/2020, 3:00 p.m.
Contact Details of Buyer	malss@nitk.edu.in, Mobile: 9880659420

# NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL



POST SRINIVASNAGAR, MANGALURU – 575 025

(Institute Of National Importance Under MHRD, Govt. of India)

Phone: (0824) 2474 000. Email: registrar@nitk.ac.in Fax: (0824) 2474 033/ 2474 039

Tender Notification No: CY/NITK/VGST/2020

Date: 22/10/2020

NOTICE INVITING e-TENDER (e-NIT)

The National Institute of Technology Karnataka, Surathkal (in short – NITK, Surathkal) is an Institute Of National Importance Under MHRD Govt of India imparting Technical Education and engaged in Research Activities.

Online Tender (<u>https://eprocure.gov.in/</u>) is invited for the following items in <u>two cover system</u> (i.e., Technical bid and financial bid) subject to the following terms and conditions, from the reputed manufacturers or it's authorized dealers so as to reach this office on or before scheduled date and time. The tender (Technical bid) will be opened online on the due date as mentioned. Bidders can verify their bid status through online portal <u>https://eprocure.gov.in/</u>. The financial bid of only such bidders whose technical bid is accepted shall be opened on the same day or later pre-informed date.

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Contact Details of Buyer	malss@nitk.edu.in, Mobile: 9880659420			

Sd/-HOD

### **SECTION 1 A: Instructions for Online Bid Submission**

The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

More information useful for submitting online bids on the CPP Portal may be obtained at: <u>https://eprocure.gov.in/eprocure/app</u>.

#### REGISTRATION

1) Bidders are required to enrol on the e-Procurement module of the Central Public Procurement Portal (URL: https://eprocure.gov.in/eprocure/app) by clicking on the link "**Online bidder Enrolment**" on the CPP Portal which is free of charge.

2) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.

3) Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.

4) Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / nCode / eMudhra etc.), with their profile.

5) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC's to others which may lead to misuse.

6) Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / e-Token.

#### SEARCHING FOR TENDER DOCUMENTS

1) There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, Organization Name, Location, Date, Value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as Organization Name, Form of Contract, Location, Date, Other keywords etc. to search for a tender published on the CPP Portal.

2) Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective 'My Tenders' folder. This would enable the CPP Portal to intimate the bidders through SMS / email in case there is any corrigendum issued to the tender document.

3) The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

#### PREPARATION OF BIDS

1) Bidder should take into account any corrigendum published on the tender document before submitting their bids.

2) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.

3) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF/JPG formats. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.

4) To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use "My Space" or "Other Important Documents" area available to them to upload such documents. These documents may be directly submitted from the "My Space" area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

Note: My Documents space is only a repository given to the Bidders to ease the uploading process. If Bidder has uploaded his Documents in My Documents space, this does not automatically ensure these Documents being part of Technical Bid.

#### SUBMISSION OF BIDS

1. Bidder should log into the site well in advance for bid submission so that they can upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.

2. The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.

3. Bidder has to select the payment option as "offline" to pay the tender fee / EMD as applicable and enter details of the instrument.

4. Bidder should prepare the EMD as per the instructions specified in the tender document. The original should be posted/couriered/given in person to the concerned official, latest by the last date of bid submission or as specified in the tender documents. The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the uploaded bid will be rejected.

5. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BOQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BOQ file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should

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save it and submit it online, without changing the filename. If the BOQ file is found to be modified by the bidder, the bid will be rejected.

6. The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.

7. All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128-bit encryption technology. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid openers public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.

8. The uploaded tender documents become readable only after the tender opening by the authorized bid openers.

9. Upon the successful and timely submission of bids (i.e. after Clicking "Freeze Bid Submission" in the portal), the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.

10. The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

11. The off-line tender shall not be accepted and no request in this regard shall be entertained whatsoever.

#### ASSISTANCE TO BIDDERS

1) Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.

2) Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk.

- 3) All entries in the tender should be entered in online Technical & Commercial Formats without any ambiguity.
- 4) Any order resulting from this e-tender shall be governed by the terms and conditions mentioned therein.
- 5) No deviation to the technical and commercial terms & conditions are allowed.
- 6) The tender inviting authority has the right to cancel this e-tender or extend the due date of receipt of the bid(s).

#### SECTION 1 B: INSTRUCTION TO BIDDER (ITB)

1. The bid should be submitted in two covers System-Technical Bid and Financial Bid online through portal <a href="https://eprocure.gov.in/">https://eprocure.gov.in/</a>:

1.1 Envelope No.1 – Technical Bid: The agencies should give details of their technical soundness and provide a list of customers of a previous supply of similar items to Universities, Institutes or Government Departments/ Undertakings/ public sectors with contact details. The details of the Bidder/ profile should be furnished along with the copy of all related documents. This envelope should be uploaded online tender (<u>https://eprocure.gov.in/</u>) and digitally signed as "Envelope No. 1 – Technical Bid i.e. Checklist (Excel format).

#### 1.2. Document to be scanned and submitted by uploading in the technical bid:

- a) The Bidder should possess a Licence certificate for manufacture /supply of the item.
- b) List of Owner/partners of the firm and their contact numbers
- c) The Bidder should possess Income-tax PAN Number.
- d) The Bidder should possess a valid GST registration number.
- e) Catalogue of the Product with detailed product specifications.
- f) List of Service Centres
- g) List of customers with contact details.
- h) The average annual turnover should not be less than 30% of the estimated cost put to tender/Tender for the job work. The copy of the Balance sheet, Profit & Loss A/c., Trade or Manufacturing A/c for the last 3 years should be enclosed
- Warranty Period Offered for the tendered item to be specified. If the Warranty period is not conforming to the schedule of requirements given in section 3 of the document, the bid is liable to be treated as non-responsive and rejected.

J) **EMD must be** in the form of Bank Guarantee/DD/e-Payment mode (through Credit/Debit cards, Net Banking). It will be valid for **180 days** from the date of opening of the tender. In case of EMD payment made through E-Payment, UTR Number with details should be uploaded. The firm registered with MSME/NSIC as per MSME procurement policy order 2012 will be exempted from submission of EMD. Intended parties will have to give proof of registration along with their tender. EMD of the unsuccessful bidders shall be refunded without any interest at the earliest after finalization of the purchase of the concerned item.

i) The EMD will be returned to the BIDDERs(s) whose offer is not accepted by NITK

within one month from the date of the placing of the purchase order(s) on the selected BIDDER(s). In the case of the BIDDER(s) whose offer is accepted the EMD will be returned on submission of Performance Security in the form of Bank Guarantee (BG). However, if the return of EMD is delayed for any reason, no interest/penalty shall be payable to the Bidders.

- The successful BIDDER, on the award of contract/order, must send the contract/order acceptance in writing, within 15 days of award of contract/order failing which the EMD will be forfeited.
- iii) The EMD shall be forfeited in case a successful BIDDER fails to furnish the Performance Security.
- iv) Bidder should prepare the EMD as per the instructions specified in the tender document. The original EMD should be posted/couriered/given in person to the concerned official, latest by the last date of bid submission as specified in the tender documents. The details of the BG/DD/FD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise, the uploaded bid will be rejected.

#### K) Contract form given in section 5 needs to be submitted.

#### The above documents should be furnished in the technical bid envelope.

2. Envelope No.2 – Financial bid: The agencies should submit their financial bid as per the (.xlxs) format is given in Section 4 of the Notice Inviting Tender in this cover. The rate should be quoted in figures and upload online bid. This envelope should upload online only as "Envelope No. 2 – Financial Bid".

Both the Envelope No. 1 and 2 should be uploaded through online portal (<u>https://eprocure.gov.in/</u>).

- 3 The tender will be accepted only from the **manufacturers or its authorised supplier**.
- The Institute reserves the right to visit the factory before or after the issue of supply order to satisfy itself regarding the quality of production. In case of any remarks /default noted, the EMD will be forfeited even if prequalified.
- 5. The Financial Bid shall be in the format of Price Schedule given in Section 4. The Contract form as per format is given in section 5 shall be submitted. The incomplete or conditional tender will be rejected.
- 6. Details of the item to be carried out, approximate quantity and the specifications are mentioned in "Section 3" appended to this Notice Inviting Tender.
- 7. The item to be used is strictly according to the specification and subject to test by the Institute/concerned authorities. It must be delivered and installed in good working condition.

- 8. The Institute reserves the right to cancel or reduce the quantity included in the schedule of requirements at any time after acceptance of the tender with a notice. The Contractor/Supplier shall have no claim to any payment of compensation or otherwise whatsoever, on account of any profit or advantage which he might have derived from the execution of the work/supply in full but he did not derive in consequence of the foreclosure of the whole or part of the works.
- 9. Performance Security of 5 % of the contract value in terms of Bank Guarantee by scheduled banks shall be given by the successful bidder for the total period of Warranty.
- 10. The release of EMD: The EMD shall be released after receipt of performance security from the successful bidder.
  - 11 **The validity of bids:** The rate quoted should be valid for a minimum of 90 days. No claim for escalation of the rate will be considered after opening the Tender.

#### 12 Clarification of Tender Document:

A prospective bidder requiring any clarification of the Tender Document may communicate to the contact person given in this notice inviting tender. The contact person will respond to any request for clarification for the Tender Document received not later than 5 working days prior to the last date for the receipt of bids

13 **Amendment of Tender document:** At any time prior to the last date for receipt of bids, Institute may for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the Tender document by an amendment.

#### 14 Institute may at its own discretion extend the last date for the receipt of bids.

- 15 The bids shall be written in English language and any information printed in another language shall be accompanied by an English translation, in which case for the purpose of interpretation of the bid, the English translation shall govern.
- 16 The Institute reserves the right of accepting any bid other than the lowest or even rejecting all the bids. The decision of the Institute Purchase Committee is final in all matters of tender and purchase.
- 17 The bidder should give the following declaration while submitting the Tender.
- 18 Relaxation for Start-up, MSEs, Make in India will be as per GOI norms.
- 19 Any other details required may be obtained from the contact person (Buyer) given in the Notice Inviting Tender during the office hours.

#### DECLARATION

I/we have not tampered/modified the tender forms in any manner. In case, if the same is found to be tampered/modified, I /we understand that my/our tender will be summarily rejected and full Earnest money deposit will be forfeited and I /we are/are liable to be banned from doing business with NITK, Surathkal and/or prosecuted.

 Signature of the Bidder
 :

 Name
 and Designation

 Business Address
 :

Place: Date: Seal of the Bidder's Firm

#### SECTION 2: CONDITIONS OF CONTRACT

- 1. The supplier should quote the rate for Door Delivery (FOR).
- 2. The Rate should be quoted in INR only.
- 3. No custom duty exemption certificate will be provided from the institute.
- 4. NITK is a DSIR recognized research organization and hence eligible for concessional / exempted rate of GST @5% (For indigenous items).
- 5. The rate quoted should be on a unit basis. Taxes and other charges should be quoted separately, duly considering exemptions if any.
- 6. Rate quoted should be inclusive of Testing, commissioning and installation of equipment and Training.
- 7. Payment: No advance payment will be made. Payment will be made only after the supply and installation of the item in good and satisfactory condition and receipt of performance security by the supplier.
- 8. Guarantee and Warranty period should be specified for the complete period conforming to section 3 of this tender document.
- 9. The period required for the supply and installation of the item should be specified conforming to section 3 of this tender document.
- 10. In case of dispute, the matter will be subject to Mangalore Jurisdiction only.

SECTION 3: SCHEDULE OF REQUIREMENTS, SPECIFICATIONS AND ALLIED DETAILS [To be filled up by the Department / Center of NITK, Surathkal]			
Item(s) Name to be procured	: Rota evaporator with refrigerated circulating bath and vacuum pump		
Type (Equipment / Software / Furniture / Others)	: Equipment		
Brief Specifications of the Item(s) (Attach Additional Sheet if necessary)	: As per Annexure "A"		
Quantity	: 01		
Any other details / requirement	:		
Warranty Period required	: 05 years		
Delivery Schedule expected after release of Purchase order (In Weeks)	: 4 weeks		
EMD (in Rupees)	: 6000		
Performance Security to be given by Successful Bidder after release of Purchase Order (in Rupees)	:5% of PO value		

#### SECTION 4 - PRICE BID [To be used by the bidder for submission of the bid]

Tender Inviting Authority:

Name of Work:

Contract No:

Name of the Bidder/ Bidding Firm / Company :

#### PRICE SCHEDULE

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only )

Number	TEXT #	TEXT	NUMBER	TEXT	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	TEXT #
		#	#	#	#			#	#	
Sr. No.	Item Description	ltem Code/ Make	Quantity	Units	BASIC RATE in Figures To be entered by the Bidder in Rs. P	GST %	Time for Supply of item	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUT with Taxes Rs. P	TOTAL AMOUNT In Words
1							30 DAYS			
2							30 DAYS			
3							30 DAYS			
Total in F	igures									
Quoted Words	Rate in						1	1	1	<u> </u>

#### SECTION 5: CONTRACT FORM

[To be provided by the bidder in the business letter head]

- 1. <u>(Name of the Supplier's Firm)</u> hereby abide to deliver them by the delivery schedule mentioned in section 3 tender document for the supply of the items if the purchase order is awarded.
- 2. The item will be supplied conforming to the specifications stated in the tender document without any defect and deviations.
- 3. Warranty will be given for the period mentioned in the tender document and service will be rendered to the satisfaction of NITK, Surathkal during this period.

Signature of the Bidder	:	
Name and Designation	:	
Business Address	:	
Place:	Seal of the Bidd	ler's Firm

Place: Date:

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## BANK GUARANTEE FORMAT FOR PERFORMANCE GUARANTEE BOND

(To be typed on Non-judicial stamp paper of the value of Indian Rupees of One Hundred)

(TO BE ESTABLISHED THROUGH ANY OF THE NATIONAL BANKS (WHETHER SITUATED AT MANGALORE OR OUTSTATION) WITH A CLAUSE TO ENFORCE THE SAME ON THEIR LOCAL BRANCH AT MANGALORE OR ANY SCHEDULED BANK (OTHER THAN NATIONALISED BANK) SITUATED AT MANGALORE. BONDS ISSUED BY CO-OPERATIVE BANKS ARE NOT ACCEPTED.)

Τo,

Director, National Institute of Technology Karnataka, Srinivasnagar P.O., Surathkal Mangalore – 575025

#### LETTER OF GUARANTEE

This Bank further agrees that the decision of National Institute of Technology Karnataka, Surathkal (Buyer) as to whether the said Tenderer (Seller) has committed a breach of any of the conditions referred in the tender document/purchase order shall be final and binding.

We, ..... (name of the Bank & branch) hereby further agree that the Guarantee herein contained shall not be affected by any change in the constitution of the Tenderer (Seller) and/ or National Institute of Technology Karnataka, Surathkal (Buyer).

#### Notwithstanding anything contained herein:

1. Our liability under this Bank Guarantee shall not exceed Rs. ...... (Indian

Rupees ..... only).

2. This Bank Guarantee shall be valid up to ......(date) and

Yours truly, Signature and seal of the guarantor: Name of Bank & Address: Date:

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**Instruction to Bank:** Bank should note that on expiry of Bond Period, the Original Bond will not be returned to the Bank. The bank is requested to take appropriate necessary action on or after expiry of bond period.

#### BANK GUARANTEE FORMAT FOR EARNEST MONEY DEPOSIT / BID BOND

(To be typed on <u>Non-judicial stamp paper</u> of value Indian Rupees One Hundred)

(TO BE ESTABLISHED THROUGH ANY OF THE NATIONAL BANKS (WHETHER SITUATED AT MANGALORE OR OUTSTATION) WITH A CLAUSE TO ENFORCE THE SAME ON THEIR LOCAL BRANCH AT MANGALORE OR ANY SCHEDULED BANK (OTHER THAN NATIONALISED BANK) SITUATED AT MANGALORE. BONDS ISSUED BY CO-OPERATIVE BANKS ARE NOT ACCEPTED)

#### LETTER OF GUARANTEE

То

Director, National Institute of Technology Karnataka, Srinivasnagar P.O., Surathkal Mangalore – 575025

#### During the validity of this Bank Guarantee:

The Guarantee shall be irrevocable and shall remain valid up to (180 days from the date of issue of Bank Guarantee) If any further extension is required, the same shall be extended to such required period on receiving instruction from the Bidder, on whose behalf the is Guarantee is issued.

#### Notwithstanding anything contained herein:

- \* This Bank Guarantee shall be valid up to (date).

\* We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee Only and only if you serve upon us a written claim or before (date).

#### Yours truly,

Signature and seal of the guarantor: Name of Bank: Address: Date:

**Instruction to Bank:** Bank should note that on expiry of Bond Period, the Original Bond will not be returned to the Bank. The bank is requested to take appropriate necessary action on or after expiry of bond period

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# Detailed specifications of Rota evaporator with refrigerated circulating bath and vacuum pump

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Heating Bath	4 L heating bath with digital temperature display and carrying handles. Integrated safety lift-out function in case of power failure. Heating bath for up to 180°C. Locking button for fixing heating bath temperature. Mechanical lift end-point safety stop.
Display panel	Locking mechanism with red indicator shows unlocked position of the vapor tube. clearly legible, glass-covered, black-and-white display panel. Digital speed display with speed range of 5-280 rpm.
Device, flask- clamping, and voltage	Device should have variable adjustable immersion angle and stroke of 120 mm, easy for manual lift with precise positioning of the glassware. Single-handed manual lift handling, suitable for left and tight-handed operators. Flask clamping mechanism with integrated push-off function for easy exchange of evaporation flasks. Speed range is 10-250 min <sup>-1</sup> . Low device voltage (24V) ensures user safety.
Condenser	High-efficiency condenser with 1500 cm <sup>2</sup> cooling surface - low space requirements. IP 20 protection class.
Warranty	5 years

### (a) Rota Evaporator

#### (b) Refrigerated Circulating Bath

Required Features	<ul><li>PT100 temperature sensor with both foldable side handle for easy movement, Over heated and liquid level alarm, Stainless steel inner tank water level alarm function.</li><li>Fast cooling, low noise, low vibration, stable and reliable performance. LCD, Microprocessor, High Precision, PID temperature control system.</li></ul>
Temperature and	-20 °C to 200 °C, Pump flow rate 6L/min. & Programmable
Pump Flow	temperature controller
Temperature display resolution and fluctuation	$\pm 0.01$ °C and $\pm 0.05$ °C
Display	LCD
Refrigeration	Air Cooled refrigeration through compressor
Pump circulation	Internal and external

Capacity of bath tank and tank size	6 Litres, 180x290x150 mm
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# (c) Vacuum Pump (oil free)

Mode	TID-75-CRP
Free Air Flow	38 Litres/min
Maximum Pressure	10 PSIg and 22"Hg
and vacuum	
Approx. Dimensions/	325 X 155 X 200 mm /8.7kg
Weight	
Motor	HP:1/4
Contact Parts	PP/TEFLON
Accessory	With external pressure regulator for easy manual handling