



No: IIITDMK/25-26/SP/PAC-Pulsation-Free Syringe Pump System

Dt. 26.12.2025

CALL FOR OBJECTION NOTICE

Subject: "Call for Objection" against Procurement under **Proprietary Article (PAC) Basis** in IIITDM Kancheepuram.

Item Name: Pulsation-free Syringe Pump System

Component	Specifications
Base Unit	Power supply unit with PC interface, capable of connecting up to 12 S / 5 M / 2 HP units.
Sockets	Can out (Mixed DSub) and USB (type B)
Linear Force	Max 350N
Minimum Flow rate	1 nl/min (with 1ml syringe)
Maximum flow rate	150 ml/min (with 25ml syringe)
Input Power	90 – 254 V AC, Frequency 47 – 63 Hz
Output Power	120W
Weight	<6kg
Operating Temperature	-20 – 50 °C
Storage Temperature	-40 – 75 °C
Operating Humidity	10 – 90 % (non-condensing)
Storage Humidity	10 – 90 % (non-condensing)
Syringe Pump	Pulsation-free drive, capable of handling syringe sizes from 10µl to 50ml. Equipped with an I/O port for valves and an integrated pressure sensor.
Valves	3/4-way valve with integrated pressure sensor, capable of handling up to 5 bar (optional 10 bar with different materials). Connections compatible with 1/4"-28UNF threads.
Precision Glass Syringes	Available in sizes 1.0ml, 5.0ml, and 25ml. Capable of withstanding up to 10 bar pressure. Constructed from borosilicate glass with PTFE, PCTFE, and stainless steel components.
Software	Control software for Windows OS (version 10 or later), supporting control of syringe pumps and process automation. Features scripting and graphical data logging.
Certification	Preparation of the Certification of Origin for the system.

It is intended to procure Instruments, Accessories & Consumables for **Pulsation-free Syringe Pump System** on a proprietary article basis as per the provision of GFR, 2017 Rule 166 (i), directly from **M/s. CETONI GmbH** - Automation and Microsystems, Wiesenring 6, Korbussen, 07554, DE, Germany, against their proposal submitted, as the sole manufacturer/supplier of Instruments, Accessories & Consumables for **Syringe Pump System**, which satisfies all requirements of being a proprietary item

The notice is hereby issued for the general information of Aspirant Manufacturers / Authorized Distributors/Suppliers, to submit their objection, if any, on the proprietorship of the above item in terms of Rule 166 (i) of GFR, 2017 as amended from time to time.

Relevant documents are published on the institute website for inviting objections/claims/comments, if any, from eligible manufacturer /supplier, before accepting the claim of the earlier said manufacturer and accordingly making procurement under proprietary article.

The Objections/claims/comments along with the complete details of challenging the proprietorship of the above items, if any, should be sent to the office of The Registrar, IIITDM Kancheepuram, Melakottaiyur, Chennai - 600127 in a sealed envelope with above mentioned subject & reference number, or by e-mail at registrar@iiitdm.ac.in on or before **08.01.2026 up to 05.00 PM.** failing which, it will be presumed that the above item are the proprietary item of the concerned firm as claimed by them in the Proprietary Article Certificate (PAC). Accordingly, the institute will initiate the process of procurement of the above item under Rule 166 (i) of GFR, 2017 as amended from time.

After the due date, it will be assumed that no manufacturer/supplier has any objection/claim against above mentioned equipment article & same will be considered as the proprietary article.

Adp
Registrar
3/1/2

Enclosure: -

- Sole Manufacturing certificate by **M/s. CETONI GmbH. Germany**