



[I-21/160/2025-W&M Section]

GOVERNMENT OF INDIA/भारत सरकार
MINISTRY OF CONSUMER AFFAIRS, FOOD AND PUBLIC DISTRIBUTION
उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय
DEPARTMENT OF CONSUMER AFFAIRS/ उपभोक्ता मामले विभाग
LEGAL METROLOGY DIVISION/ विधिक मापविज्ञान प्रभाग

Krishi Bhawan/कृषि भवन, नई दिल्ली
Dated/दिनांक:- 30.06.2025

Certificate of Approval of Model/ मॉडल का अनुमोदन प्रमाणपत्र

Whereas the Central Government, after considering the report submitted to it by prescribed authority, is satisfied that the model described in the said report (see the figure given below) is in conformity with the provisions of the Legal Metrology Act, 2009 (1 of 2010) and the Legal Metrology (Approval of Models) Rules, 2011 and the said model is likely to maintain its accuracy over periods of sustained use and to render accurate service under varied conditions;

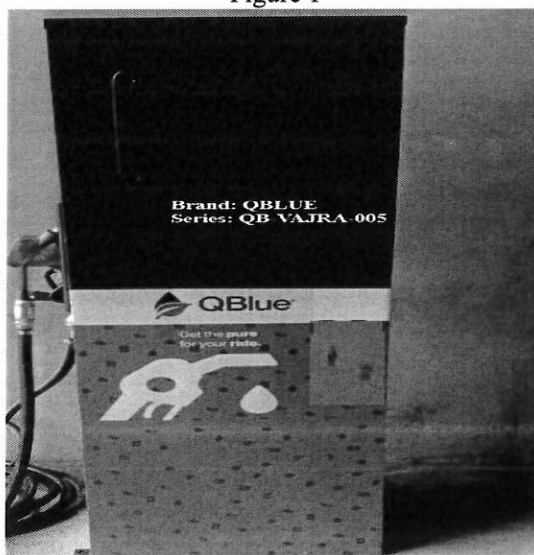
Now, therefore, in exercise of the powers conferred by section 22 of the Legal Metrology Act, 2009 (1 of 2010) read with sub-rule (6) of rule 8 and sub-rule (4) of rule 11 of the Legal Metrology (Approval of Models) Rules, 2011, as per Schedule Eighth of the Legal Metrology (General) Rules, 2011, the Central Government hereby issues the certificate of approval of measuring system for liquid other than water with digital indication of accuracy class 0.5 of "QB-VAJRA-005" series with brand name "QBLUE"(hereinafter referred to as the said model), manufactured by M/s Qblue Fluid Private Limited, 195-B, 32nd Street, Rahmath Nagar, Palayamkottai, Tirunelveli, Tamil Nadu – 627002 and which is assigned the approval mark IND/09/25/241 (the picture of the model is given below as Figure 1);

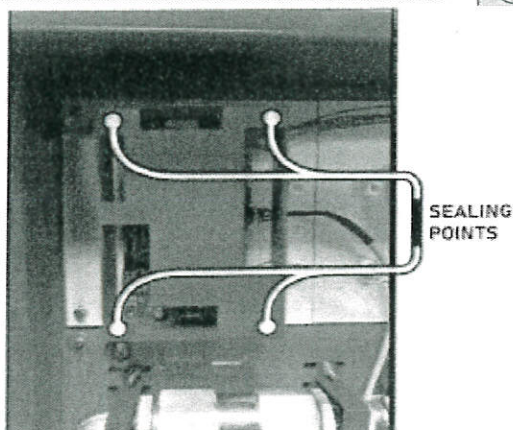
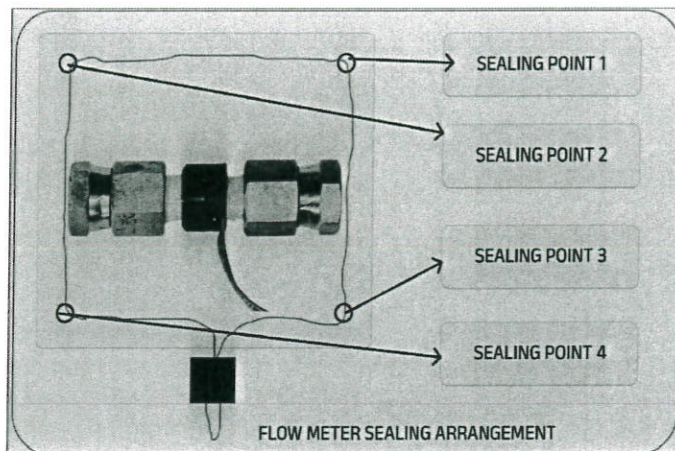
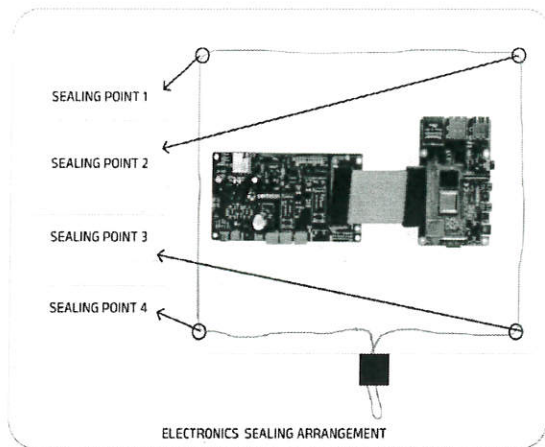
The said model is measuring system for liquid other than water and it is used as dispensing of Adblue/Diesel exhaust fluid dispenser (Aqueous Urea solution) type.

Technical Data:

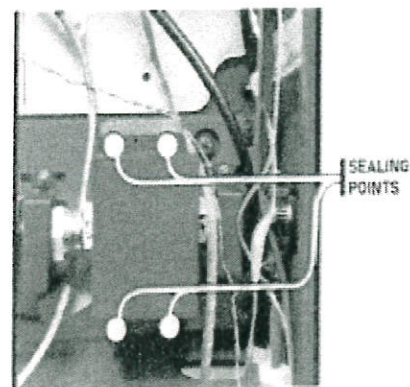
Principle	Volume of Liquid is measured by the positive displacement meter
Metering unit	Positive displacement type with oval gear metering
Maximum Flow Rate	5 liter per minute
Minimum Flow Rate	0.5 liter per minute
Accuracy Class	0.5
Temperature Range	0°C to +50°C
Minimum Measured Quantity (MMQ)	0.5 liter
Resolution/Smallest Division	1 ml
Display Type	Liquid crystal display (LCD)
Totalizer	6 digits electronic totalizer
Calibration	Electronic
Range of Adjustment	±0.5%
Power Supply	230 V AC, 12 V to 24 V DC& Pneumatic air operated

Figure 1





Sealing points for Control Board



Sealing points for Turbine Pulse Flow Meter

Figure 2

The dispenser is calibrated exclusively through the 8-pin DIP switch located on the main controller board, ensuring tamper-proof configuration. Once the calibration value is finalized for a specific installation, the controller must be physically sealed. The SF800 pulse flow meter must also have a sealing such that the sensor does not get altered and manipulated, Therefore, sealing must be applied to both the controller board and the SF800 pulse flow meter to prevent unauthorized access or tampering with calibrated parameters and data.

Sealing is done by passing sealing wire through the nut and bolt assembly plug by a seal. The calibration dip switches and sensor cannot be accessed without breaking the lead seal. The sealing points are marked in the above give figures. Calibration is not possible without breaking/tempering the seal. A typical schematic diagram of sealing provision to prevent the fraudulent practices of the model is given above as Figure 2

Further, in exercise of the power conferred by sub-rule (9) of rule 8 of the Legal Metrology (Approval of Models) Rules, 2011, the Central Government hereby declares that this certificate of approval of the said model shall also cover the measuring system for liquid other than water of similar make, accuracy and performance of same series with maximum flow rate up to 5 liter per minute manufactured by the same manufacturer in accordance with the same principle, design and with the same materials with which, the said approved model has been manufactured.

[F.No. I-21/160 /2025-W&M Section]

(Signature)

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