



[I-21/417/2023-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:- 01.01.2024

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 "6720-Ezyfill-100" series with brand name "FLUIDYNE"(hereinafter referred to as the said model), manufactured by M/s Fluidyne Control Systems Pvt. Ltd., S No. 79/2, Plot No. 12, Near Agarwal Godown, Shivane, Pune, Maharashtra- 411023 and which is assigned the approval mark IND/09/24/007 (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 electronic fuel dispenser for dispensing of Diesel Exhaust fluid.

Technical Data:

Principle	Volume of Liquid is measured by the positive displacement meter
Metering unit	Rotor type Positive displacement
Maximum Flow Rate	100 liter per minute
Minimum Flow Rate	2 liter per minute
Accuracy Class	0.5
Minimum Measured Quantity (MMQ)	2 liter
Resolution/Smallest Division	10 ml
No. of Nozzle	1 (one)
Display Type	Liquid Crystal Display (LCD), Resettable- 7 digits for Volume and price to pay display, 6 digits for rate display
Calibration	Electronic
OTP Facility	Yes
Totalizer	8 -digit electronic totalizer,(Retrievable)
Power Supply	110 to 230 V, 50/60 Hz AC or 9 to 36 V DC

Figure- 1





Max Flow Rate:100 LPM, Min Flow Rate: 2LPM
Brand: FLUIDYNE, Series: 6720-EzyFill-100

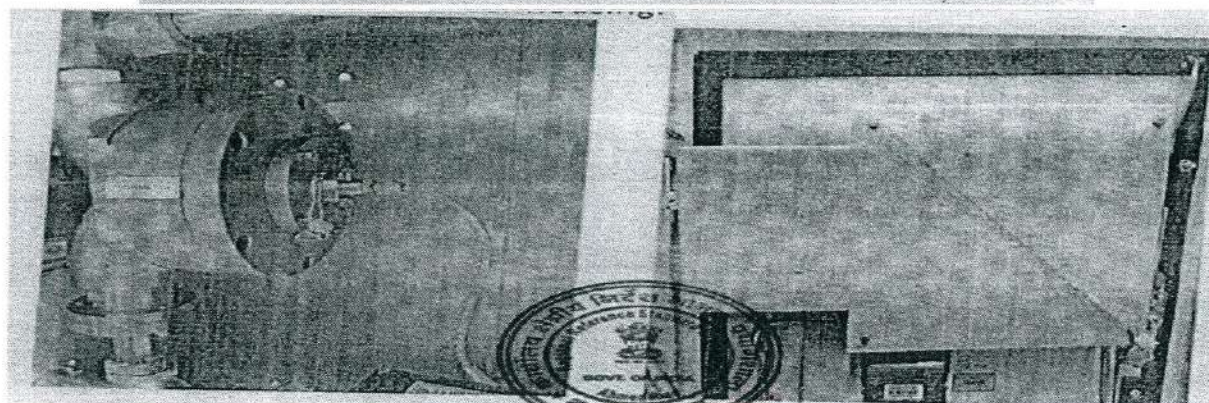
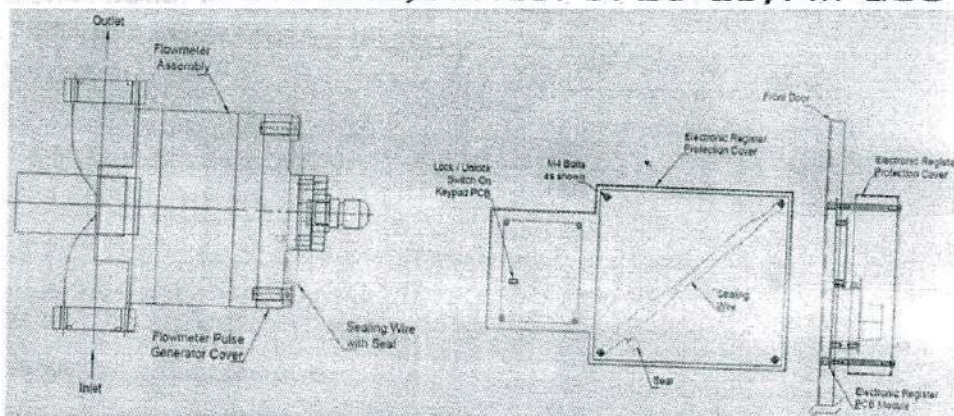


Figure- 2

The calibration can be changed in the electronic assembly by moving the contact of a slider switch as shown in figure 2. The slider can be reached by breaking the seal shown in above figure. Changing the position of the switch unlocks the calibration mode and allows user to change k factor in the presence of a legal metrology officer. Without moving the slider contact, calibration mode remains locked to prevent fraudulent practices to prevent tampering/fraudulent practices of flowmeter transducer, the sealing wire is also wound around the meter cover and transducer housing. The only way to access the pulser unit is to break the above sealing wires. 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 Systems For Liquids Other Than Water of similar make, accuracy and performance of same series with maximum flowrate upto 100 lpm 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-21/417/2023-W&M Section]

Ashutosh Agarwal

(Ashutosh Agarwal/आशुतोष अग्रवाल)

I/c Director (Legal Metrology) to Govt. of India/ प्रभारी निदेशक (विधिक माप विज्ञान) भारत सरकार

Phone/दूरभाष 01123389489

Email/ई-मेल: dirwm-ca@nic.in

Online Application No. 16637