



[I-21/392/2023-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:- 21.03.2024

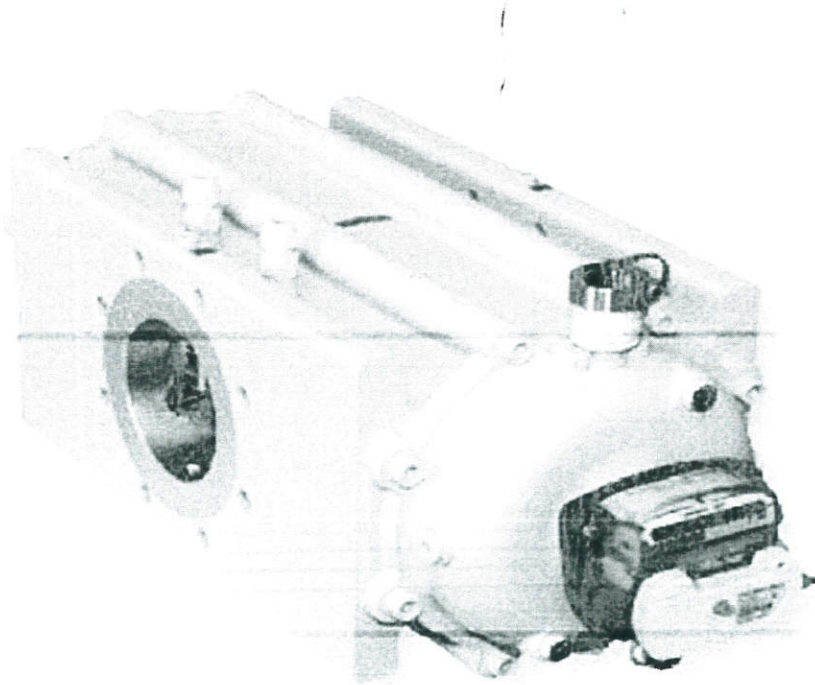
Certificate of Approval of Model/ मॉडल का अनुमोदन प्रमाणपत्र

Whereas the Central Government, after considering the report submitted to it by the prescribed authority along with the EU type-examination certificate no. **DE-17-MI002-PTB001, Revision 2** issued by PTB, Germany, 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 and as per the Directive 2014/32/EU of the European Parliament, the Central Government hereby issues the certificate of approval of the model of Gas Meter, Type: "Delta" of accuracy class: 1.0 (hereinafter referred to as the said model), manufactured by M/s Dresser Utility Solutions GmbH, Hardeckstraße 2, 76185 Karlsruhe and imported & marketed in India without any alteration before or after sale by M/s Genus Power Infrastructures Ltd, SP-1-2317, RIICO Industrial Area, Ramchandrapura, Sitapura Extn., Jaipur-302022, Rajasthan which is assigned the approval mark IND/09/24/143 (the picture of the model is given below as Figure 1);

Valid until: 15.02.2027

Figure 1



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Characteristics of the measuring instrument:

Accuracy Class	1.0
Temperature range	Gas and ambient temperature for devices in operation: -25°C to +55 °C
Environmental Classes	Mechanical: class M1 Electromagnetic: class E2

Measurement Range:

1. Gas meters with $V_{cycl} = 0.19dm^3$

Designation	DN	Q_{max} m ³ /h	$\frac{Q_{min}}{Q_t}$ m ³ /h									
	mm		m ³ /h									
			1:200	1:160	1:130	1:100	1:80	1:65	1:50	1:30	1:20	
DELTA G10	25 / 40 / 50	16	-	-	-	-	-	-	-	0,3 1,6	0,5 2,4	0,8 3,2
DELTA G16	25 / 40 / 50	25	-	-	-	0,25 1,25	0,3 1,25	0,4 1,25	0,5 2,5	0,8 3,75	1,3 5	
DELTA G25	40 / 50	40	-	0,25 2	0,3 2	0,4 2	0,5 2	0,6 2	0,8 4	1,3 6	2,0 8	
DELTA G40	40 / 50	65	0,3 3,25	0,4 3,25	0,5 3,25	0,65 3,25	0,8 3,25	1 3,25	1,3 6,5	2 9,75	3,2 13	

2. Gas meters with $V_{cycl} = 0.59dm^3$

Designation	DN	Q_{max} m ³ /h	$\frac{Q_{min}}{Q_t}$ m ³ /h									
	mm		m ³ /h									
			1:250	1:200	1:160	1:130	1:100	1:80	1:65	1:50	1:30	1:20
DELTA / SE / Evo G16	50	25	-	-	-	-	-	-	0,4 1,2	0,5 2,5	0,8 3,7	1,3 5
DELTA / SE / Evo G25	50	40	-	-	-	-	0,4 2	0,5 2	0,65 2	0,8 4	1,3 6	2 8
DELTA / SE / Evo G40	50	65	-	-	0,4 3,2	0,5 3,2	0,65 3,2	0,8 3,2	1 3,2	1,3 6,5	2 9,7	3,2 13
DELTA / SE / Evo G65	50	100	0,4 5	0,5 5	0,65 5	0,8 5	1 5	1,3 5	1,6 5	2 10	3 15	5 20

3. Gas meters with $V_{cycl} = 0.94 dm^3$

Designation	DN	Q_{max} m ³ /h	$\frac{Q_{min}}{Q_t}$ m ³ /h									
	mm		m ³ /h									
			1:250	1:200	1:160	1:130	1:100	1:80	1:65	1:50	1:30	1:20
DELTA / SE / Evo G16	50 80	25	-	-	-	-	-	-	0,4 1,2	0,5 2,5	0,8 3,7	1,3 5
DELTA / SE / Evo G25	50 80	40	-	-	-	-	0,4 2	0,5 2	0,65 2	0,8 4	1,3 6	2 8
DELTA / SE / Evo G40	50 80	65	-	-	0,4 3,2	0,5 3,2	0,65 3,2	0,8 3,2	1 3,2	1,3 6,5	2 9,7	3,2 13
DELTA / SE / Evo G65	50 80	100	0,4 5	0,5 5	0,65 5	0,8 5	1 5	1,3 5	1,6 5	2 10	3 15	5 20
DELTA / SE / Evo G100	50 80	160	0,65 8	0,8 8	1,0 8	1,2 8	1,6 8	2,0 8	2,5 8	3 16	5 24	8 32

4. Gas meters with $V_{cycl} = 1.16 dm^3$

Designation	DN	Q_{max} m ³ /h	$\frac{Q_{min}}{Q_t}$ m ³ /h									
	mm		m ³ /h									
			1:250	1:200	1:160	1:130	1:100	1:80	1:65	1:50	1:30	1:20
DELTA / SE / Evo G65	80 100	100					1 5	1,2 5	1,6 5	2 10	3 15	5 20
DELTA / SE / Evo G100	80 100	160			1 8	1,2 8	1,6 8	2 8	2,5 8	3 16	5 24	8 32
DELTA / SE / Evo G160	80 100	250	1 12,5	1,3 12,5	1,6 12,5	1,9 12,5	2,5 12,5	3 12,5	4 12,5	5 25	8 37,5	13 50

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5. Gas meters with $V_{cycl} = 1.78 \text{ dm}^3$

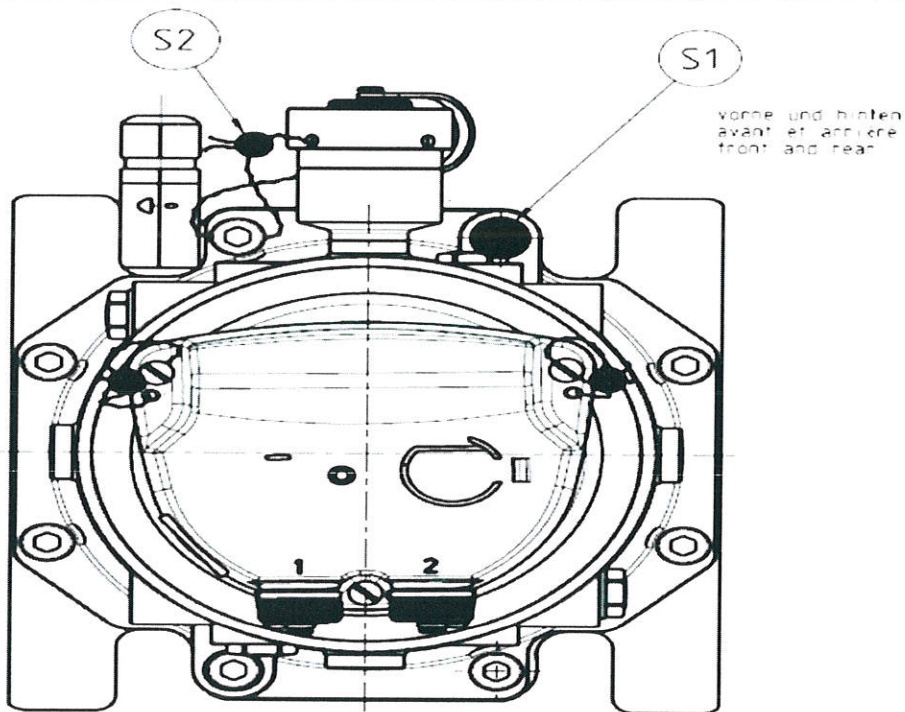
Designation	DN	Q_{max}	Q_{min} Q_t									
	mm	m^3/h	m^3/h									
			1:250	1:200	1:160	1:130	1:100	1:80	1:65	1:50	1:30	1:20
DELTA G100	80	160			1 8	1,2 8	1,6 8	2,0 8	2,5 8	3 16	5 24	8 32
DELTA G160	80	250	1 12,5	1,3 12,50	1,6 12,5	1,9 12,5	2,5 12,5	3 12,5	4 12,5	5 25	8 37,5	13 50

6. Gas meters with $V_{cycl} = 2.41 \text{ dm}^3$

Designation	DN	Q_{max}	Q_{min} Q_t									
	mm	m^3/h	m^3/h									
			1:250	1:200	1:160	1:130	1:100	1:80	1:65	1:50	1:30	1:20
DELTA G160	80 100	250	1 12,5	1,3 12,50	1,6 12,5	1,9 12,5	2,5 12,5	3 12,5	4 12,5	5 25	8 37,5	13 50
DELTA Q300	80 100	300	1,2 15	1,5 15	1,9 15	2,3 15	3 15	3,8 15	4,6 15	6 30	10 45	15 60
DELTA G250	80 100	400			2,5 20	3 20	4 20	5 20	6,5 20	8 40	13 60	20 80

7. Gas meters with $V_{cycl} = 3.65 \text{ dm}^3$

Designation	DN	Q_{max}	Q_{min} Q_t									
	mm	m^3/h	m^3/h									
			1:250	1:200	1:160	1:130	1:100	1:80	1:65	1:50	1:30	1:20
DELTA G160	100	250	-	-	1,6 12,5	1,9 12,5	2,5 12,5	3 12,5	4 12,5	5 25	8 37,5	13 50
DELTA G250	100	400	1,6 20	2,0 20	2,5 20	3 20	4 20	5 20	6,5 20	8 40	13 60	20 80
DELTA G400	100	650			4 32	5 32	6,5 32	8,1 32	10 32	13 65	20 97	32 130



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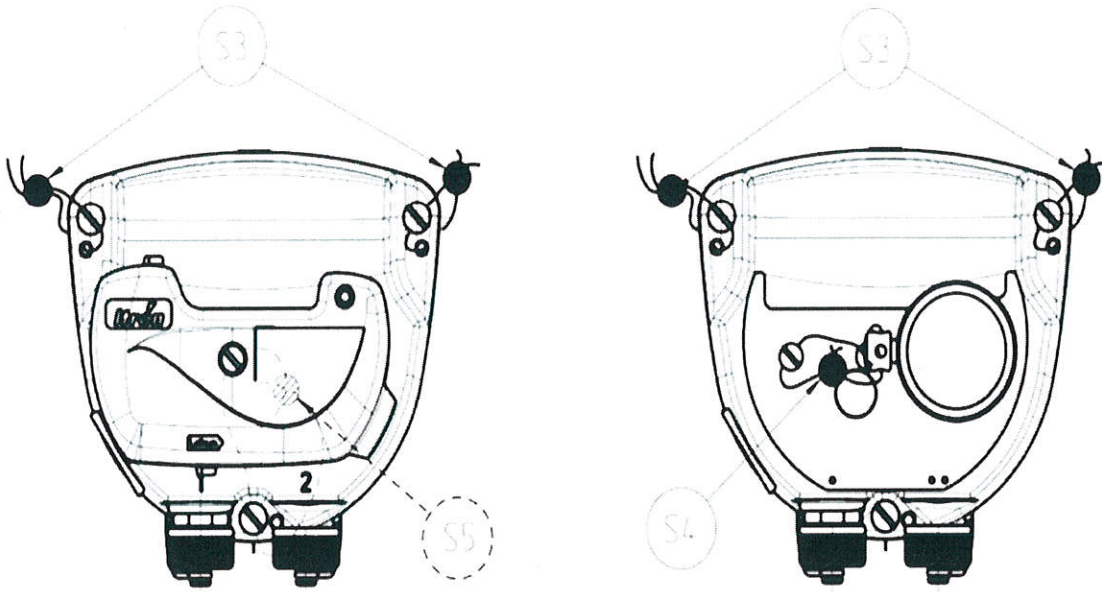


Figure-2 (Sealing Provision)

A typical schematic diagram of sealing provision to prevent the fraudulent practices of the model is given above as Figure 2.

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