

Your ref: 170/11/21
 Our ref: 1111/1/3/02/04
 Permission no: 2021-007
 Enquiries: Stephen Dube
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 Date of issue: 22 November 2021

Absolute Energy Solutions CC
Attention: Tshepo Setshwaelo
 133 Jan Smuts Avenue
 Parkwood
 7484

Dear Sir

SALE OF UNAPPROVED WATER METERS

The following meters have been visually examined for compliance to the technical and marking requirements of SANS 1529-1:2019 Edition 2.4.

The technical data for the instrument submitted is described in Table 1.

1	2	3	4	5
Table1				
Name	BMETERS			
Model	WDE-K50			
Accuracy Class	C			
Nominal flow rate (Q_p)	40 m ³ /h	63 m ³ /h	100 m ³ /h	160 m ³ /h
Minimum flow rate (Q_{min})	0,4 m ³ /h	0,63 m ³ /h	1,00 m ³ /h	1,60 m ³ /h
Bore size	50 mm	65 mm	80 mm	100 mm
Maximum operating pressure	1 600 kPa	1 600 kPa	1 600 kPa	1 600 kPa
Verification scale interval of the meter	0,0005 m ³	0,0005 m ³	0,0005 m ³	0,0005 m ³
Indicating range of the meter	9 999 999 m ³	9 999 999 m ³	9 999 999 m ³	9 999 999 m ³
Pressure loss group	P30	P60	P30	P60
Operating position	Horizontal/Vertical	Horizontal/Vertical	Horizontal/Vertical	Horizontal/Vertical
Material of manufacture	Cast Iron	Cast Iron	Cast Iron	Cast Iron

The type approval of the abovementioned water meters cannot be granted in terms of the Legal Metrology Act, 2014 (Act 9 of 2014), however Absolute Energy Solutions CC is hereby permitted in terms of Section 22 (2) (d) of the Legal Metrology Act and Clause 7 of SANS 1529-1, to supply the meters for use for a prescribed purpose provided they are covered by calibration certificates that are issued by the manufacturer. These certificates shall indicate that the meters are within the tolerances specified in SANS 1529-1. A copy of this calibration certificate shall be issued to the purchaser and a copy retained by the supplier of the meters for inspection purposes.

The water meters shall be marked as specified in Clause 6 of SANS 1529-1 with the exclusion of the South African approval number, as type approval of the abovementioned water meters cannot be granted.

If the scope of your NRCS designated verification laboratory includes the verification of water meters with a bore size up to and including 100 mm, you may issue verification certificates. Once these meters are type approved they will have to be verified in terms of Annexure B of SANS 1529-1, as there is no provision for an exemption.

Head Office

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The provisions of this letter expires on 21 November 2031.

Once the provisions of this letter has expired, the applicant shall either, remove all instruments from service or re-new the provisions (submit for type approval).

The NRCS cannot be held liable for instruments that are supplied outside the provisions of this letter, incorrect measurements or instruments which become defective after it has been supplied for use.

Yours faithfully



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CEO NRCS

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