

**OIML Member State**

Czech Republic

OIML Certificate No.

R49/2013-A-CZ1-2022.02

Revision 1

OIML CERTIFICATE ISSUED UNDER SCHEME A**OIML Issuing Authority**

Name: Czech Metrology Institute

Address: Okružní 31, 638 00 Brno, Czech Republic

Person responsible: Jan Kalandra

Applicant

Name: ISOIL INDUSTRIA SPA

Address: Via F.lli Gracchi, 27; Cinisello Balsamo; 20 099 Italy

Manufacturer

Name: Hemina SPA

Address: Via Piemonte 1, Montagnana – PD; PC: 350 44, Italy

Identification of the certified type (*the detailed characteristics will be defined in the additional pages*)

MS2500 / MV110

MS2500 / MV145

Designation of the module (*if applicable*)

MS2500 / MV110 HV

MS2500 / MV110 LV

MS2500 / MV110 LLV

MS2500 / MV145 HV + lit. battery

MS2500 / MV145 LLV + alk. battery

MS2500 / MV145 LLV + lit. battery

This OIML Certificate attests the conformity of the above identified type (represented by the sample(s) identified in the OIML type evaluation report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

OIML R 49

Edition (year): 2013

For accuracy class (if applicable): 1 and 2



This OIML Certificate relates only to metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML Recommendation identified above.

This OIML Certificate does not bestow any form of legal international approval.

The conformity was established by the results of tests and examinations provided in the associated OIML type evaluation report:

- No. 0511-ER-V053-22 dated 10th August 2022 that includes 381 pages including annexes 1-5.
- Test report No. 6015-PT-P5009-22 that includes 21 pages including annex 1.
- Test report No. 8551-PT-E0072-22 that includes 15 pages including annexes 1.
- Test report No.6011-PT-SW012-22 that includes 6 pages including annex 1.
- Test report No. 6015-PT-P5001-22 Revision 1 that includes 104 pages including annex 1-4.

- Test report No. 6015-PT-P5001-22 that includes 94 pages including annexes 1 – 4.
- Test report No.6011-PT-SW009-22 that includes 9 pages including annex 1.
- Test report No. 8551-PT-E0041-21 that includes 29 pages including annexes 1.

The technical documentation relating to the identified type is contained in documentation file:

0511-UL-V053-22

OIML Certificate History

Revision No.	Date	Description of the modification
Revision 0	26 May 2022	Issuing certificate
Revision 1	13 September 2022	Adding electronics MV145

The OIML Issuing Authority

RNDr. Pavel Klenovský
Head of Certification Body

Date: 13 September 2022



Important note: Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate is issued, partial quotation of the Certificate and of the associated OIML type evaluation report(s) is not permitted, although either may be reproduced in full.

Measuring system description

The water meters types MS2500 / MV110 and MS2500 / MV145 are designed to measure, memorise and display the volume at metering conditions of water passing through the measurement transducer.

The water meters type MS2500 / MV110 and MS2500 / MV145 are electromagnetic water meters with an electronic indicating device.

The water meters type MS2500 / MV110 and MS2500 / MV145 consist of sensor and converter water meter in the compact set up or separate version with connecting cable.

The sensor MS2500 of water meter consists of a steel body with connecting flanges, one pair of excitation coils, electrodes and connection to the converter. The sensor can be equipped with several types liners.:

1. with PTFE liner for all sizes DN25 - DN350 to temperature water 90°C
2. with Polypropylene liner for all sizes DN25 – DN150 to temperature water 50°C
3. with Rilsan liner for sizes DN50 - DN350 to temperature water 50°C
4. with Ebonite liner for sizes DN200 - DN350 to temperature water 50°C

The converters MV110 or MV145 of water meter consists of the plastic and aluminium body and connection to the sensor. The electronic indicating device is formed by LCD display shown volume and flow. The water meter displays the volume resolution of 0.001 m³ on the digital display. Water meter has three buttons for control water meter. Communication interfaces are with impulse output and current output. Legally non-relevant part of communication with meter is possible by RS485 output or USB - miniB connected to converter.

Electromagnetic water meter MS2500 / MV110 and MS2500 / MV145 has several security levels by the passwords to entry by bottoms. The user can change the water meter MS2500 / MV110 and MS2500 / MV145 no-legally relevant setting using public passwords write in the manual for water meter MS2500 / MV110 and MS2500 / MV145. Changes to public password assistance settings do not affect to legally relevant software to measure, memorise and display the volume at metering conditions of water passing through the measurement transducer.

The water meters type MS2500 / MV110 have a several modification according types power supply.

1. The water meter MS2500 / MV110 HV has power supply by main 100 - 240V AC.
2. The water meter MS2500 / MV110 LV has power supply by main 24 – 36V AC/DC.
3. The water meter MS2500 / MV110 LLV has power supply by main 10 – 48V DC.

The water meters type MS2500 / MV145 have a several modification according types power supply.

1. The water meter MS2500 / MV145 HV + lit. battery has power supply by main 100 – 240V AC with internal backup source 3.7V DC lithium battery.
2. The water meter MS2500 / MV145 LLV + alk. battery has power supply by main 10 – 48V DC with internal backup source 3.7V DC alka. battery.
3. The water meter MS2500 / MV145 LLV + lit.. battery has power supply by main 10 – 48V DC with internal backup source 3.7V DC lithium. battery.

The water meters can be installed to operate in any positions and the internal dimensions of the water meter pipes are always the same for each dimension.

Marking and inscriptions

The water meters types MS2500 / MV110 and MS2500 / MV145 shall be clearly and indelibly marked with the following information:

- Water meter type
- Unit of measurement (m³)
- Numerical value Q₃ in m³/h (Q₃ ×.×) and the ratio Q₃ / Q₁
- OIML certificate of conformity number
- Name of trademark of the manufacturer
- Year of manufacture, two last digits of the year of manufacture, or the month and year of manufacture and serial number (as near as possible to the indicating device)

- Direction of flow, by means of an arrow (shown on both sides of the body or on one side only provided the direction of flow arrow is easily visible under all circumstances)
- Serial number (as near as possible to the indicating device)
- Maximum admissible pressure (MAP ××)
- The temperature class (T××)
- The pressure loss class (Δp ××)
- The installation sensitivity class (Ux Dx) – it does not differ from U0 D0
- Power supply
- Environmental classification
- Electromagnetic environmental class
- Software version
- Hardware version
- Accuracy class (Class xx)

These markings shall comply with the requirements of OIML R 49 and shall be visible without dismantling the water meter after the instrument has been placed on the market or put into use.

Characteristics

Basic technical data of water meters types MS2500 / MV110 and MS2500 / MV145:

Manufacturer:	Hemina SPA; Via Piemonte 2; Montagnana; 350 44 Italy					
Model number:	MS2500 / MV110; MS2500 / MV145					
Nominal diameter:	25	32	40			
Type details:						
Q_1 [m ³ /h]:	0.064	0.040	0.100	0.062	0.160	0.100
Q_2 [m ³ /h]:	0.102	0.064	0.160	0.100	0.256	0.160
Q_3 [m ³ /h]:	16.00	16.00	25.00	25.00	40.00	40.00
Q_4 [m ³ /h]:	20.00	20.00	31.25	31.25	50.00	50.00
Q_3/Q_1 :	250	400	250	400	250	400
Q_2/Q_1 :	1.6					
Q_4/Q_3 :	1.25					
Measuring principle:	Electromagnetic water meter					
Accuracy class:	1	2	1	2	1	2
Maximum permissible error for the lower flowrate zone (MPE_L):	±3 % (Class 1) ±5 % (Class 2)					
Maximum permissible error for the upper flowrate zone (MPE_U):	±1 (class 1) ±2 (class 2) % for water having a temperature ≤ 30 °C ±2 (class1) ±3 (class 2) % for water having a temperature > 30 °C					
Temperature class:	For liner PTFE - T90; T50; T30 For liner Rilsan - T50; T30 from DN50 For liner Ebonite - T50; T30 from DN200 For liner polypropylene - T50; T30					
Water pressure class:	MAP16					
Pressure loss class:	Δp_{40}	Δp_{40}	Δp_{40}		Δp_{40}	
Reverse flow:	designed to measure					
Environmental class:	O (-25 to + 55 °C)					
Electromagnetic environment:	E1, E2					
Mechanical class:	B, O					



Maximum admissible temperature [°C]:	For liners PTFE - 90°C For liner Polypropylen, Rilsan and Ebonite - 50°C		
Maximum admissible pressure [MPa]:	1.6		
Orientation limitation:	any		
Indicating range [m ³]:	99 999	99 999	99 999
Resolution of the indicating device [m ³]:	0.000 1	0.000 1	0.000 1
Resolution of the device for rapid testing [m ³]:	-		
EUT testing requirements (OIML R 49-2:2013, 8.1.8):			
Category:	Electromagnetic water meter		
Case:	Case D		
Installation details:			
Connection type (screw thread):	Flanged		
Minimum straight length of inlet pipe [mm]:	0		
Minimum straight length of outlet pipe [mm]:	0		
Flow profile sensitivity class:	U0D0		
Flow conditioner (details if required):	No		
Mounting:	-		
Orientation:	any		
Other relevant information:	-		
Length [mm]:	200	200	200
Installation details (electrical):			
Wiring instructions:	-		
Mounting arrangement:	-		
Orientation limitations:	-		
Power supply:			
Information are shown in Table <i>Power supply and electrical specification</i>			

Manufacturer:	Hemina SPA; Via Piemonte 2; Montagnana; 350 44 Italy					
Model number:	MS2500 / MV110; MS2500 / MV145					
Nominal diameter:	50	65	80			
Type details:						
Q_1 [m ³ /h]:	0.252	0.158	0.400	0.250	0.640	0.400
Q_2 [m ³ /h]:	0.403	0.252	0.640	0.400	1.024	0.640
Q_3 [m ³ /h]:	63.0	63.0	100	100	160	160
Q_4 [m ³ /h]:	73.0	73.0	125	125	200	200
Q_3/Q_1 :	250	400	250	400	250	400
Q_2/Q_1 :	1.6					
Q_4/Q_3 :	1.25					
Measuring principle:	Electromagnetic water meter					
Accuracy class:	1	2	1	2	1	2
Maximum permissible error for the lower flowrate zone (MPE _l):	±3 % (Class 1) ±5 % (Class 2)					
Maximum permissible error for the upper flowrate zone (MPE _u):	±1 (class 1) ±2 (class 2) % for water having a temperature ≤ 30 °C ±2 (class 1) ±3 (class 2) % for water having a temperature > 30 °C					
Temperature class:	For liner PTFE - T90; T50; T30 For liner Rilsan - T50; T30 from DN50 For liner Ebonite - T50; T30 from DN200 For liner polypropylene - T50; T30					
Water pressure class:	MAP16					
Pressure loss class:	Δp40	Δp40	Δp40			
Reverse flow:	designed to measure					
Environmental class:	O (-25 to + 55 °C)					
Electromagnetic environment:	E1, E2					
Mechanical class:	B, O					
Maximum admissible temperature [°C]:	For liners PTFE - 90°C For liner Polypropylen, Rilsan and Ebonite - 50°C					
Maximum admissible pressure [MPa]:	1.6					
Orientation limitation:	any					
Indicating range [m ³]:	99 999	999 999	999 999			
Resolution of the indicating device [m ³]:	0.000 1	0.001	0.001			
Resolution of the device for rapid testing [m ³]:	-					
EUT testing requirements (OIML R 49-2:2013, 8.1.8):						
Category:	Electromagnetic water meter					
Case:	Case D					
Installation details:						
Connection type (screw thread):	Flanged					
Minimum straight length of inlet pipe [mm]:	0					



Minimum straight length of outlet pipe [mm]:	0		
Flow profile sensitivity class:	U0D0		
Flow conditioner (details if required):	No		
Mounting:	-		
Orientation:	any		
Other relevant information:	-		
Length [mm]:	200	200	200
Installation details (electrical):			
Wiring instructions:	-		
Mounting arrangement:	-		
Orientation limitations:	-		
Power supply:			
Information are shown in Table <i>Power supply and electrical specification</i>			

Manufacturer:	Hemina SPA; Via Piemonte 2; Montagnana; 350 44 Italy					
Model number:	MS2500 / MV110; MS2500 / MV145					
Nominal diameter:	100	125	150			
Type details:						
Q_1 [m ³ /h]:	1.00	0.63	1.60	1.00	2.52	1.60
Q_2 [m ³ /h]:	1.60	1.00	2.56	1.60	4.03	1.56
Q_3 [m ³ /h]:	250	250	400	400	630	630
Q_4 [m ³ /h]:	313	313	500	500	780	780
Q_3/Q_1 :	250	400	250	400	250	400
Q_2/Q_1 :	1.6					
Q_4/Q_3 :	1.25					
Measuring principle:	Electromagnetic water meter					
Accuracy class:	1	2	1	2	1	2
Maximum permissible error for the lower flowrate zone (MPE_l):	±3 % (Class 1) ±5 % (Class 2)					
Maximum permissible error for the upper flowrate zone (MPE_u):	±1 (class 1) ±2 (class 2) % for water having a temperature ≤ 30 °C ±2 (class1) ±3 (class 2) % for water having a temperature > 30 °C					
Temperature class:	For liner PTFE - T90; T50; T30 For liner Rilsan - T50; T30 from DN50 For liner Ebonite - T50; T30 from DN200 For liner polypropylene - T50; T30					
Water pressure class:	MAP16					
Pressure loss class:	$\Delta p40$	$\Delta p40$	$\Delta p40$			
Reverse flow:	designed to measure					
Environmental class:	O (-25 to + 55 °C)					
Electromagnetic environment:	E1, E2					

<i>Mechanical class:</i>	<i>B, O</i>		
Maximum admissible temperature [°C]:	For liners PTFE - 90°C For liner Polypropylen, Rilsan and Ebonite - 50°C		
Maximum admissible pressure [MPa]:	1.6		
Orientation limitation:	any		
<i>Indicating range [m³]:</i>	<i>999 999</i>	<i>999 999</i>	<i>999 999</i>
<i>Resolution of the indicating device [m³]:</i>	<i>0.001</i>	<i>0.001</i>	<i>0.001</i>
<i>Resolution of the device for rapid testing [m³]:</i>	-		
EUT testing requirements (OIML R 49-2:2013, 8.1.8):			
Category:	Electromagnetic water meter		
Case:	Case D		
Installation details:			
Connection type (screw thread):	Flanged		
Minimum straight length of inlet pipe [mm]:	0		
Minimum straight length of outlet pipe [mm]:	0		
<i>Flow profile sensitivity class:</i>	<i>U0D0</i>		
Flow conditioner (details if required):	No		
Mounting:	-		
Orientation:	any		
Other relevant information:	-		
<i>Length [mm]:</i>	<i>250</i>	<i>250</i>	<i>300</i>
Installation details (electrical):			
Wiring instructions:	-		
Mounting arrangement:	-		
Orientation limitations:	-		
Power supply:			
Information are shown in Table <i>Power supply and electrical specification</i>			

Manufacturer:	Hemina SPA; Via Piemonte 2; Montagnana; 350 44 Italy					
Model number:	MS2500 / MV110					
Nominal diameter:	200	250	300			
Type details:						
Q_1 [m ³ /h]:	4.0	2.5	6.4	4.0	6.4	4.0
Q_2 [m ³ /h]:	6.4	4.0	10.2	6.4	10.2	6.4
Q_3 [m ³ /h]:	1000	1000	1600	1600	1600	1600
Q_4 [m ³ /h]:	1250	1250	2000	2000	2000	2000
Q_3/Q_1 :	250	400	250	400	250	400
Q_2/Q_1 :	1.6					
Q_4/Q_3 :	1.25					
Measuring principle:	Electromagnetic water meter					
Accuracy class:	1	2	1	2	1	2
Maximum permissible error for the lower flowrate zone (MPE_L):	±3 % (Class 1) ±5 % (Class 2)					
Maximum permissible error for the upper flowrate zone (MPE_U):	±1 (class 1) ±2 (class 2) % for water having a temperature ≤ 30 °C ±2 (class 1) ±3 (class 2) % for water having a temperature > 30 °C					
Temperature class:	For liner PTFE - T90; T50; T30 For liner Rilsan - T50; T30 from DN50 For liner Ebonite - T50; T30 from DN200 For liner polypropylene - T50; T30					
Water pressure class:	MAP16					
Pressure loss class:	$\Delta p40$	$\Delta p40$	$\Delta p40$			
Reverse flow:	designed to measure					
Environmental class:	O (-25 to + 55 °C)					
Electromagnetic environment:	E1, E2					
Mechanical class:	B, O					
Maximum admissible temperature [°C]:	For liners PTFE - 90°C For liner Polypropylen, Rilsan and Ebonite - 50°C					
Maximum admissible pressure [MPa]:	1.6					
Orientation limitation:	any					
Indicating range [m ³]:	9 999 999	9 999 999	9 999 999			
Resolution of the indicating device [m ³]:	0.01	0.01	0.01			
Resolution of the device for rapid testing [m ³]:	-					
EUT testing requirements (OIML R 49-2:2013, 8.1.8):						
Category:	Electromagnetic water meter					
Case:	Case D					
Installation details:						
Connection type (screw thread):	Flanged					
Minimum straight length of inlet pipe [mm]:	0					

Minimum straight length of outlet pipe [mm]:	0		
Flow profile sensitivity class:	U0D0		
Flow conditioner (details if required):	No		
Mounting:	-		
Orientation:	any		
Other relevant information:	-		
Length [mm]:	350	450	500
Installation details (electrical):			
Wiring instructions:	-		
Mounting arrangement:	-		
Orientation limitations:	-		
Power supply:			
Information are shown in Table <i>Power supply and electrical specification</i>			

Manufacturer:	Hemina SPA; Via Piemonte 2; Montagnana; 350 44 Italy		
Model number:	MS2500 / MV110		
Nominal diameter:	350		
Type details:			
Q_1 [m ³ /h]:	6.4	4.0	
Q_2 [m ³ /h]:	10.2	6.4	
Q_3 [m ³ /h]:	1600	1600	
Q_4 [m ³ /h]:	2000	2000	
Q_3/Q_1 :	250	400	
Q_2/Q_1 :	1.6		
Q_4/Q_3 :	1.25		
Measuring principle:	Electromagnetic water meter		
Accuracy class:	1	2	
Maximum permissible error for the lower flowrate zone (MPE_l):	±3 % (Class 1) ±5 % (Class 2)		
Maximum permissible error for the upper flowrate zone (MPE_u):	±1 (class 1) ±2 (class 2) % for water having a temperature ≤ 30 °C ±2 (class1) ±3 (class 2) % for water having a temperature > 30 °C		
Temperature class:	For liner PTFE - T90; T50; T30 For liner Rilsan - T50; T30 from DN50 For liner Ebonite - T50; T30 from DN200 For liner polypropylene - T50; T30		
Water pressure class:	MAP16		
Pressure loss class:	Δp40		
Reverse flow:	designed to measure		
Environmental class:	O (-25 to + 55 °C)		

<i>Electromagnetic environment:</i>	<i>E1, E2</i>
<i>Mechanical class:</i>	<i>B, O</i>
Maximum admissible temperature [°C]:	For liners PTFE - 90°C For liner Polypropylen, Rilsan and Ebonite - 50°C
Maximum admissible pressure [MPa]:	1.6
Orientation limitation:	any
<i>Indicating range [m³]:</i>	<i>9 999 999</i>
<i>Resolution of the indicating device [m³]:</i>	<i>0.01</i>
<i>Resolution of the device for rapid testing [m³]:</i>	-
EUT testing requirements (OIML R 49-2:2013, 8.1.8):	
Category:	Electromagnetic water meter
Case:	Case D
Installation details:	
Connection type (screw thread):	Flanged
Minimum straight length of inlet pipe [mm]:	0
Minimum straight length of outlet pipe [mm]:	0
<i>Flow profile sensitivity class:</i>	<i>U0D0</i>
Flow conditioner (details if required):	No
Mounting:	-
Orientation:	any
Other relevant information:	-
<i>Length [mm]:</i>	<i>550</i>
Installation details (electrical):	
Wiring instructions:	-
Mounting arrangement:	-
Orientation limitations:	-
Power supply:	
Information are shown in Table <i>Power supply and electrical specification</i>	

Power supply and electrical specification			
<i>Type electronic</i>	MV 110		
Designation of the module for all nominal diameter	MS2500 / MV110 HV	MS2500 / MV110 LV	MS2500 / MV110 LLV
Type (battery, mains AC, mains DC):	100 – 240 V AC	24 – 36V AC/DC	10 – 48 V DC
Frequency:	45 – 66 Hz	45 – 66 Hz	-

<i>Internal backup source</i>	3,7V DC; 5200mAh; Battery	3,7V DC; 5200mAh; Battery	-
<i>Minimum battery life time [years]:</i>	-	-	-
<i>Software version (of legally relevant SW):</i>	V.1.04.0005.0004		
<i>CRC checksum (of legally relevant SW):</i>	9BA34F3B		
<i>Cut-off</i>	0.2 %		
<i>Detection empty pipe</i>	on		
Type electronic	MV 145		
Designation of the module for all nominal diameter	MS2500 / MV145 HV + lit. battery	MS2500 / MV145 LLV + alk. battery	MS2500 / MV145 LLV + lit. battery
Type (battery, mains AC, mains DC):	100 – 240 V AC	10 – 48 V DC	10 – 48 V DC
Frequency:	45 – 66 Hz		-
<i>Internal backup source</i>	3.7V DC; 5200mAh; Battery	3.7V DC; 5200mAh; Battery	-
<i>Minimum battery life time [years]:</i>	-	-	-
<i>Software version (of legally relevant SW):</i>	V.1.04.0005.0004 for MV110 V.1.05.0004.0005 for MV145		
<i>CRC checksum (of legally relevant SW):</i>	9BA34F3B for MV110 C96453B1 for MV145		
<i>Cut-off</i>	0.2 %		
<i>Detection empty pipe</i>	on		

Securing components and verification marks

The MS2500 / MV110 and MS2500 / MV145 meters have to be sealed according to the design of the water meter compact / separate version.

The converter MV110 and MV145 of water meter compact or separate version have to be sealed by security seal on cover of the mini USB-B and two security seals across the dividing line of the water meter housing on its sides. Installation seals are across the cover of terminal block and housing of convector. The sealing is described in Figure 1.

The compact water meter MS2500 / MV110 and MS2500 / MV145 have to be sealed by security seal on the screw on the bottom of the convector connecting the sensor. The sealing is described in Figure 2.

The separate water meter MS2500/ MV110 and MS2500 / MV145 have to be sealed by security seal on the screw on the bottom of the convector connecting the sensor. Installation seal is across the cover of terminal block and housing of sensor. The sealing is described in Figure 3.

The separate MS2500 / MV110 and MS2500 / MV145 water meter is paired using “COUP.” numbers, which can be found on the convector and sensor label. The labels are described in Figure 4.

Explanation of the seal:

Security seal – is a seal to ensure the metrological integrity of the instrument.

Installation seal – is a seal applied by the installer to indicate the integrity of the installation.

Figure 1: The sealing of the convector of water meter MS2500 / MV110 or MS2500 / MV145.

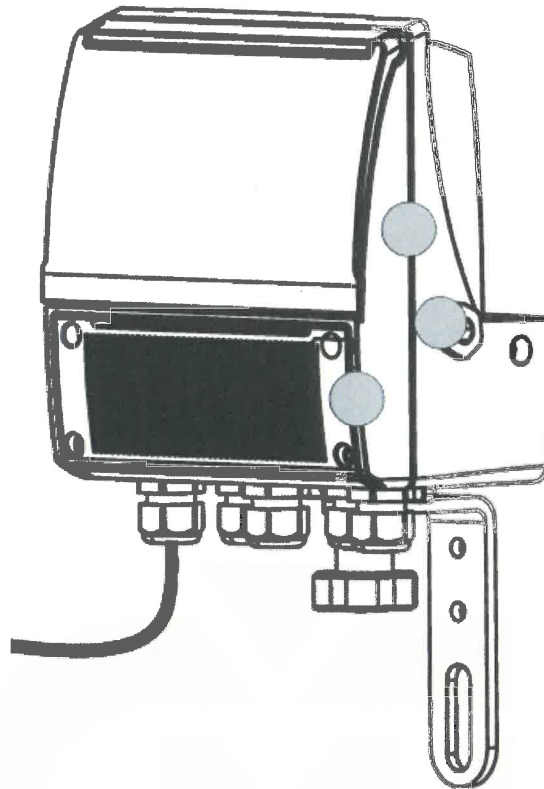


Figure 2: The sealing of the compact water meter MS2500 / MV110 or MS2500 / MV145.

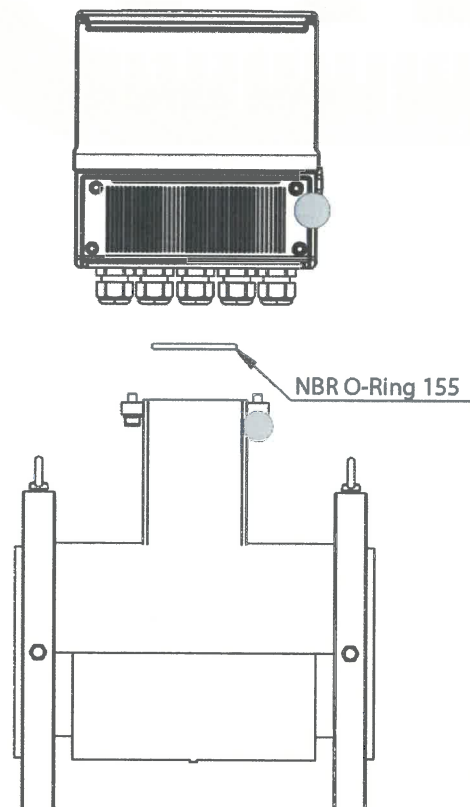


Figure 3: The sealing of the separate water meter MS2500 / MV110 or MS2500 / MV145.

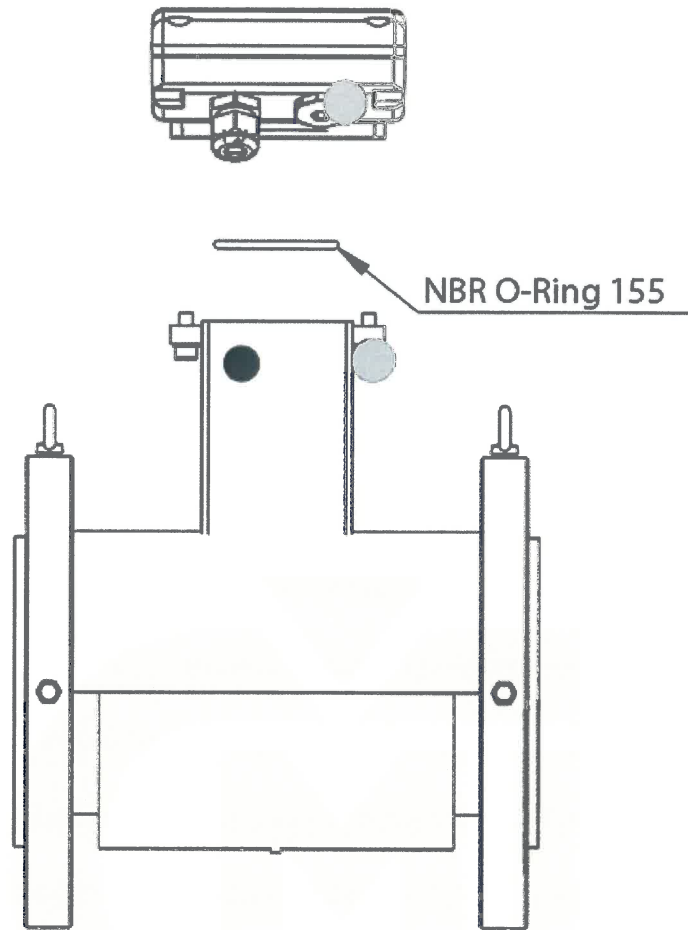


Figure 4: The labels of water meter MS2500 / MV110 or MS2500 / MV145.

MS2500: LABEL DESCRIPTION

Name of trademark of the manufacturer: ISOIL INDUSTRIA
Produced by: Hemina Spa, Via Piemonte 2, 35044 Montagnana - Padova - Italy
Sinieste B. / MI1 - ITALY www.isoil.com

Mod	MS2500-P80-B1A2B			Max. admissible pressure
s/n	XXXXXXXXXX			
Dn	80	Pclass	MAP16	Meter Factor
IP	68	Ka	+1.2950	
Lin.	P.P.	Fitt	EN1092	Flanges
Elect	3-AISI316L	Tclass	TXX	
Δp	XX	Sclass	U0D0	Temp. class.
Coup	XXXXXXXXXX			Installation sensitivity class.
Item				

Additional customer notes: **FLOW DIRECTION** +

Facility n. 00120279

ICIM CERTIFIED PRODUCT WATER CONTACT MATERIALS

MV110: LABEL DESCRIPTION

Name of trademark of the manufacturer: ISOIL INDUSTRIA
Produced by ISOIL production center: Hemina Spa - Via Piemonte, 2 35044 Montagnana-Padova - Italy
Sinieste B. / MI1 - ITALY www.isoil.com

MODEL	MV110-B1B4B1B1B0A1			Accuracy class.
S/N	XXXXXXXXXX	AClass	CLASS 1	Mechanical. class.
COUP.	XXXXXXXXXX	EEC	B, D, E1, E2	Electromagnetic environment
POWER	100-240VAC/44-66	ETR	D (-25+55)°C	Environm. class.
Q3	160 m³/h	Q3/Q1	100	Ratio Q3 / Q1
ITEM	XXXXXXXXXX	IP	67	IP Degree

Additional customer notes: **CE MXX XXXX**

OIML certificate of conformity number: **XXXXXXXXXX**

Notified body ID: **XXXXXXXXXX**

Two last digits of the year of manufacture: **XX**