



Physical-Technical Testing Institute
Ostrava - Radvanice



EU - Type Examination Certificate

(1)

(2)

Equipment or Protective Systems Intended for Use
in Potentially Explosive Atmospheres
(Directive 2014/34/EU)

(3) EU - Type Examination Certificate number:

FTZÚ 21 ATEX 0108X

(4) Product: **Blanking element type SP-XX-XX-X**

(5) Manufacturer: **Limatherm S.A.**

(6) Address: **ul. Tarnowska 1, 34-600 Limanowa, Poland**

(7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) The Physical-Technical Testing Institute, Notified Body number 1026, in accordance with Articles 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26.02.2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Report number:

21/0108 dated 30.05.2022


(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018, EN 60079-1:2014, EN 60079-7:2015+A1:2018, EN 60079-31:2014

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to Specific Conditions of Use specified in the schedule to this certificate.


(11) This certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(12) The marking of the product shall include the following:

 **I M2 Ex db I Mb** or **I M2 Ex eb I Mb**
II 2G Ex db IIC T3 Gb or **II 2G Ex eb IIC T3 Gb**
II 2D Ex tb IIC T150...180°C Db

This certificate is valid till: **31.05.2027**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 31.05.2022

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This certificate is granted subject to the general conditions of the FTZÚ, s.p.
This certificate may only be reproduced in its entirety and without any change, schedule included.

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Physical-Technical Testing Institute
Ostrava - Radvanice

(13)

Schedule

(14) **EU - Type Examination Certificate No. FTZÚ 21 ATEX 0108X**

(15) Description of Product:

The equipment is a blanking element (stopping plug) type SP-XX-XX-X and it is designed to close unused threaded cable entries.

Used structural material – carbon steel zinc plated or stainless steel. There is a tool recess for fitting in the equipment body.

Technical specification:

| Thread size | Type of o-ring | Sealing material | Degree of protection |
|-------------|----------------|------------------|----------------------|
| ½ NPT | --- | --- | IP 66 / IP 68 |
| ¾ NPT | --- | --- | |
| M20x1,5 | Ø 18x2 | VMQ; FKM | |
| M24x1,5 | Ø 22x2 | | |
| M25x1,5 | Ø 23x2 | | |
| M27x2 | Ø 23x2 | | |

Code Marking:

SP – XX – XX – X

| | XX | XX | X |
|----|---|---|--------------------|
| | Thread size | Material of body | Type of sealing |
| SP | N2 = ½ NPT N3 = ¾ NPT M2 = M20x1,5 M24 = M24x1,5 M25 = M25x1,5 M27 = M27x2 | CS = Carbon steel SS = Stainless steel | 4 = VMQ 5 = FKM |

(16) Report Number: 21/0108

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Date of issue: 31.05.2022

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**Physical-Technical Testing Institute
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(13)

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(14) **EU - Type Examination Certificate No. FTZÚ 21 ATEX 0108X**

(17) Specific Conditions of Use:

1. Ambient temperature range: $-60^{\circ}\text{C} \leq T_a \leq +150^{\circ}\text{C}$ – with VMQ sealing
 $-20^{\circ}\text{C} \leq T_a \leq +180^{\circ}\text{C}$ – with FKM sealing.
2. The blanking elements must not to be used with a thread adapter or reducer.
3. When used for Ex db purposes, plugs with "M" threads must be equipped with a non-removable and non-compressible washer.
4. To ensure tightness and degree of protection IP 66 / IP 68, a minimum of 5 threads in engagement must be observed for "M" threads and 3,5 threads in engagement for "NPT" threads.
5. Every time when the blanking element is unscrewed from enclosure, the sealing shall be changed.

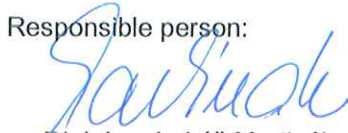
(18) Essential Health and Safety Requirements:

Compliance with the Essential Health and Safety Requirements is covered by standards mentioned in clause (9) of this certificate.

(19) Drawings and Documents:

| Number | Sheets | Date | Description |
|---------|--------|------------|--------------------|
| N-L4437 | 2 | 22.10.2021 | Application manual |
| -- | 1 | 27.10.2021 | Data sheet |
| 4-L2177 | 1 | 02.09.2021 | Drawing |
| 4-L2178 | 1 | 02.09.2021 | Drawing |

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