



[1]

EU-TYPE EXAMINATION CERTIFICATE

[2] **Equipment intended for use in potentially explosive atmospheres Directive 2014/34/EU – Annex III**

[3] Certificate Number: **EPT 23 ATEX 5043** issue 0

[4] Equipment: **Overfill prevention devices**
Series: **442**

[5] Manufacturer: **RIDART S.r.l.**

[6] Address: **Via Adua, 17 - 21045 Gazzada Schianno (VA) - Italy**

[7] This equipment and its accepted variations are specified in the annex to this Certificate.

[8] Eurofins Product Testing Italy S.r.l., Notified Body n. 0477 in accordance with Article 21 of the Directive 2014/34/EU of the European Parliament and of the Council of 26th February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II of the Directive. The examination and test results are recorded in the confidential Report N°EPT.22.REL.01/2013141


[9] Compliance with the essential health and safety requirements is assured through the verification of them and by compliance with the following harmonized standards:

EN ISO 13616-1:2016, EN ISO 80079-36:2016

[10] If the sign "X" is placed after the Certificate number, it indicates that the equipment is subject to the special conditions for safe use specified in the annex to this Certificate.

[11] This EU-TYPE EXAMINATION CERTIFICATE relates only to the design, the exam and the tests of the specified equipment.

Further requirements of the Directive 2014/34/EU apply to the manufacture and supply of this equipment. These requirements are not object of this Certificate.

[12] The equipment shall include the sign  and the string

II 1G Ex h IIB T6 Ga

-20°C ≤ Tamb ≤ +40°

Place and date of issue:
(DD-MM-YYYY)

Torino, 20-01-2023


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Paolo Trisoglio
Managing Director


Notified Body N. 0477

[13]

[14]

ANNEX
EU-TYPE EXAMINATION CERTIFICATE
N. EPT 23 ATEX 5043


[15] Equipment description

The 442 series overflow prevention devices is composed of the following models:

- 442-80 AL or 442-80 AL PTFE
- 442B-100 AL or 442B-100 AL PTFE
- 442B-80 AL or 442B-80 AL PTFE
- 442OR-80 AL or 442OR-80 AL PTFE
- 442S-80 AL or 442S-80 AL PTFE
- 442-80 SS

The 442 overflow prevention device is a prevention system designed to avoid liquid leaking out of tank during filling. This device is a valve based on the action an external float in contact with the fluid to close the flow and prevent to overflowing the tank. As the liquid rises, the float also rises with the liquid and, through a mechanism of levers, activates a plate in order to close the valve.

There are two types of valves in the series; the float in the first one has a vertical movement while the float of the second one has a side movement to close the plate. All overflow valves are two stage except the 442S-80 AL and 442OR-80 AL models which are single stage.

The overflow prevention devices series 442 have the following characteristic

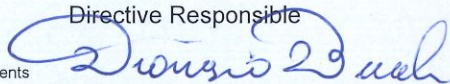
	442-80 AL	442-80 SS	442B-80 AL	442B-100 AL	442S-80 AL	442OR-80 AL
Diameter / mm	80	80	80	100	80	80
Chemical compatibility according to 14789-4:2008 table C1	2	13-14- 15	2	2	2	2
Maximum operational pressure / bar	8	8	8	6	8	8
Body Material	Aluminum AC 47000 – Al Si 12 (Cu)	Stainless Steel AISI 316	Aluminum AC 47000 – Al Si 12 (Cu)	Aluminum AC 47000 – Al Si 12 (Cu)	Aluminum AC 47000 – Al Si 12 (Cu)	Aluminum AC 47000 – Al Si 12 (Cu)
Coating	Poader coating E0- 158-9900- 010 < 200 μ	Not coating	Poader coating E0-158- 9900-010 < 200 μ	Poader coating E0- 158-9900- 010 < 200 μ	Poader coating E0- 158-9900- 010 < 200 μ	Poader coating E0-158- 9900-010 < 200 μ



PRD N° 119B
 Signatory of EA, IAF and ILAC Mutual Recognition Agreements

CP-ATEX-MOD-26-00

Dionisio Bucchieri
 Directive Responsible



Page 2 of 5
 20-01-2023

[13]

[14]

**ANNEX
EU-TYPE EXAMINATION CERTIFICATE
N. EPT 23 ATEX 5043**



	442-80 AL PTFE	442B-80 AL PTFE	442B-100 AL PTFE	442S-80 AL PTFE	442OR-80 AL PTFE
Diameter / mm	80	80	100	80	80
Chemical compatibility according to 14789-4:2008 table C1	2-3-3a-3b- 4-5-5a-5b- 7-8-8a-8b	2-3-3a-3b- 4-5-5a-5b- 7-8-8a-8b	2-3-3a-3b- 4-5-5a-5b- 7-8-8a-8b	2-3-3a-3b- 4-5-5a-5b- 7-8-8a-8b	2-3-3a-3b- 4-5-5a-5b- 7-8-8a-8b
Maximum operational pressure / bar	8	8	6	8	8
Body Material	Aluminum AC 47000 - Al Si 12 (Cu)	Aluminum AC 47000 - Al Si 12 (Cu)	Aluminum AC 47000 - Al Si 12 (Cu)	Aluminum AC 47000 - Al Si 12 (Cu)	Aluminum AC 47000 - Al Si 12 (Cu)
Coating	PTFE coating LCoF 382 < 200 μ	PTFE coating LCoF 382 < 200 μ	PTFE coating LCoF 382 < 200 μ	PTFE coating LCoF 382 < 200 μ	PTFE coating LCoF 382 < 200 μ

All the models have in addition to those indicated in clause 12 of this certificate the following information:

- Manufacturer's name
- Type
- Maximum static pressure
- Serial number
- EN 13616
- Vapor tight: no

Warning label

N/A

Routine tests

According to clause 5.5.2.4 of EN 13616-1 standard, each overfill prevention device shall be submitted to Final closure level tests as detailed in the clauses 5.5.2.2 and 5.5.2.3

[16] Assessment Report n° EPT.22.REL.01/2013141

This EU-Type Examination Certificate is released after the positive result of the conformity assessment of the Council Directive 2014/34/EU and to harmonized technical standards listed in this certificate performed by the Notified Body Eurofins Product Testing Italy S.r.l., and reported in the Assessment Report above cited.

[17] Special condition for a safe use

N/A

[18] Essential Health and Safety Requirements

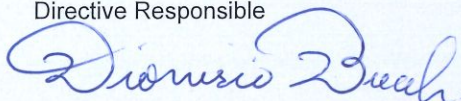
Assured by compliance with harmonized standards.



PRD N° 119B
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CP-ATEX-MOD-26-00

Dionisio Bucchieri
Directive Responsible



Page 3 of 5
20-01-2023

[13]
[14]

ANNEX
EU-TYPE EXAMINATION CERTIFICATE
N. EPT 23 ATEX 5043



[19] **Descriptive documents**

The equipment object of this Certificate are described by the following documents that are scheduled documents and therefore they cannot be modified without the explicit authorization of the Notified Body.

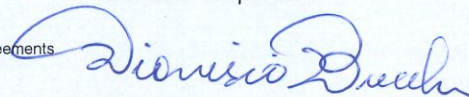
Type of document	Document identification	Rev.	Date
Technical documentation	Technical File Overfill 2022 – FT_OVERFILL_2022	06	25-06-2022
User manual	442S	04	25-06-2022
User manual	442OR	04	25-06-2022
User manual	442B-100	04	25-06-2022
User manual	442B	04	25-06-2022
User manual	442-80-SS	04	25-06-2022
User manual	442-80-AL	04	25-06-2022
Technical drawing bill of materials	VALVOLA LIMITATRICE DI CARICO (RIVESTIMENTO PTFE) – 442-80 AL PTFE	02	25/06/2022
Technical drawing bill of materials	VALVOLA LIMITATRICE DI CARICO – 442-80 AL	02	25/06/2022
Technical drawing bill of materials	VALVOLA LIMITATRICE DI CARICO 3" – 442-80 SS	02	25/06/2022
Technical drawing bill of materials	PIATTELLO COMPLETO STAINLESS STEEL – 442-80-26-SS	02	25/06/2022
Technical drawing bill of materials	VALVOLA DI DEPRESSIONE – 442-80-30	02	25/06/2022
Technical drawing bill of materials	PIATTELLO COMPLETO STAINLESS STEEL – 442-100-26-SS	02	25/06/2022
Technical drawing bill of materials	LIMITATRICE DI CARICO 3" – 442B-80 AL	02	25/06/2022
Technical drawing bill of materials	GALLEGGIANTE COMPLETO – 442B-80-15	02	25/06/2022
Technical drawing bill of materials	LIMITATRICE DI CARICO 4" – 442B-100 AL	02	25/06/2022
Technical drawing bill of materials	GALLEGGIANTE COMPLETE – 442B-100-15	02	25/06/2022
Technical drawing bill of materials	LIMITATRICE DI CARICO ORIZZONTALE – 442OR-80 AL	04	25/06/2022
Technical drawing bill of materials	LIMITATRICE DI CARICO (SHORT) – 442S-80 AL	04	25/06/2022
Technical drawing top body	CORPO SUPERIORE – 442-80 AL 03	01	25/06/2022
Technical drawing bottom body	CORPO VALVOLE INFERIORE – 442-80 AL 04	01	25/06/2022
Technical drawing top body	CORPO SUPERIORE – 442-80 SS 03	01	25/06/2022
Technical drawing bottom body	CORPO INFERIORE – 442-80 SS 04	02	25/06/2022
Technical drawing pipe	TUBO – 442-80 SS 06	01	25/06/2022
Technical drawing valve pivot	PERNO VALVOLA – 442-80 SS 09	01	25/06/2022
Technical drawing connecting fork	FORCELLA DI COLLEGAMENTO – 442-80-001	01	25/06/2022
Technical drawing pivot	PERNO – 442-80-07	01	25/06/2022
Technical drawing floater	GALLEGGIANTE PER VALVOLA 442-80 – 442-80-08 LAT	01	25/06/2022
Technical drawing plate	PIATTELLO PRINCIPALE – 442-80-11 PTFE	01	25/06/2022
Technical drawing plate holder	SUPPORTO PIATTELLO – 442-80-11S	01	25/06/2022
Technical drawing return lever	LEVA DI RINVIO ESTERNA – 442-80-12 SS	01	25/06/2022
Technical drawing floater spring	MOLLA PER GALLEGGIANTE – 442-80-14	01	25/06/2022
Technical drawing drilled screw	VITE FORATA PER GALLEGGIANTE – 442-80-17	01	25/06/2022
Technical drawing closing plate	PIATTINA DI CHIUSURA – 442-80-25 SS	01	25/06/2022
Technical drawing closing plate	PIATTINA DI CHIUSURA – 442-80-25	01	25/06/2022
Technical crankcase fixing plate	LAMIERA FISSAGGIO CARTER – 442-80-27 SS	01	25/06/2022
Technical drawing depression valve body	CORPO VALVOLA DEPRESSIONE – 442-80-27	02	25/06/2022



PRD N° 119B
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CP-ATEX-MOD-26-00

Dionisio Bucchieri
Directive Responsible



Page 4 of 5
20-01-2023

[13]

[14]

ANNEX
EU-TYPE EXAMINATION CERTIFICATE
N. EPT 23 ATEX 5043



Technical drawing bottom reduction	RIDUZIONE INFERIOR SALDATA – 442-80-29 SS	01	25/06/2022
Technical drawing plate	PIATTELLO PRINCIPALE – 442-100-11 PTFE	01	25/06/2022
Technical drawing valve body	CORPO VALVOLA 3" – 442B-80-01	01	25/06/2022
Technical drawing deflector	DEFLETTORE – 442B-80-04	01	25/06/2022
Technical drawing pivot	PERNO – 442-80-06	01	25/06/2022
Technical drawing connecting fork	FORCELLA DI COLLEGAMENTO – 442B-80-08-1	01	25/06/2022
Technical drawing valve pivot	PERNO VALVOLA – 442-80-09	01	25/06/2022
Technical drawing floater lever	LEVETTA PER GALLEGGIANTE – 442B-80-10	01	25/06/2022
Technical drawing return lever	LEVA DI RINVIO ESTERNA – 442-80-12	01	25/06/2022
Technical drawing closing plate	PIATTINA DI CHIUSURA – 442-80-14	01	25/06/2022
Technical drawing pivot	PERNO – 442-100-06	01	25/06/2022
Technical drawing floater holder	SUPPORTO GALLEGGIANTE – 442OR-80-07	01	25/06/2022
Technical drawing plate seat	SEDE PIATTELLO – 442S-80-01	03	25/06/2022
Technical drawing valve body	CORPO VALVOLA 442S-80-01N	03	25/06/2022
Technical drawing floater lever	LEVA PER GALLEGGIANTE – 442S-80-05N	01	25/06/2022
Technical drawing floater holder	SUPPORTO GALLEGGIANTE – 442S-80-07	01	25/06/2022
Technical drawing pivot	PERNO CENTRALE – 442S-80-09	01	25/06/2022

[20] Terms and conditions

The product liability rests with the Manufacturer, his representative or, in the absence of a representative, with the importer, in accordance with the General Product Safety Directive 2001/95/EC.

The following conditions may render this certificate invalid:

- changes in the design or construction of the product;
- changes or amendments to the Directive;
- changes or amendments in the standards which form the basis for documenting compliance with the essential requirements of the 2014/34/EU Directive.

[21] History

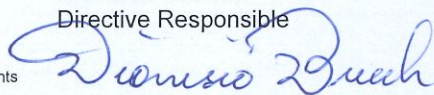
Issue	Description	Date
0	First emission	20-01-2023



PRD N° 119B
 Signatory of EA, IAF and ILAC Mutual Recognition Agreements

CP-ATEX-MOD-26-00

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End of Certificate

 Page 5 of 5
 20-01-2023