



1 **EU-TYPE EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: **Sira 08ATEX9047** Issue: **4**

4 Equipment: **Type 71SO Fuel Tank Overfill Prevention Valve**

5 Applicant: **OPW Fuelling Components/ Fibrelite Composites Ltd**

6 Address: **Snaygill Industrial Estate  
Keighley Rd  
Skipton  
N. Yorkshire  
BD23 2QR  
United Kingdom**

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

8 CSA Group Netherlands B.V., notified body number 2813 in accordance with Articles 17 and 21 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 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 to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

EN 13616:2004 incorporating Corrigendum No. 1 EN 13463-1:2001

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to Specific Conditions of Use identified in the schedule to this certificate.

11 This EU-Type Examination Certificate relates only to the design and construction of the specified equipment. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.

12 The marking of the equipment shall include the following:



II 1 G  
EN 13616  
Type A1

Project Number 80090704

Signed: J A May

Title: Director of Operations

CSA Group Netherlands B.V.  
Utrechtseweg 310, Building B42,  
6812AR Arnhem, The Netherlands





## SCHEDULE

### EU-TYPE EXAMINATION CERTIFICATE

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#### 13 DESCRIPTION OF EQUIPMENT

The Type 71SO Tank Overfill Prevention Valve is designed to be fitted to a class I or Class II liquid fuel storage tanks. The Valve bolts onto the top of the tank and connects to the fill pipe via a 4"/DN100 (nominal) connection.

The Valve comprises a tubular body and contains a two-stage valve arrangement. The Valve is actuated by an external float and actuating arm. A drop tube is fitted above the valve with a 'crimp' to direct flow.

Fill method	Type as defined in EN 13616	Normal operating pressure	Maximum static pressure after closure	Valves
Gravity	A1	0.4 bar	2 bar	Two stage (L <sub>1</sub> & L <sub>2</sub> )

#### Design options

The drop tube may be cut to the required height and is finished with a sealed cap. The Valve is designated according to the drop tube height:

Designation	Vapour tight	Upper drop tube height ( hes)	Lower drop tube height ( hes)
71SO-400A	Yes	60	83
71SO-410A	Yes	120	102

**Variation 1** - This variation introduced the following change:

- i. The part numbers were revised.

**Variation 2** - This variation introduced the following changes:

- i. The drawing list was reviewed and several obsolete drawings were removed.
- ii. Drawing C05158 was added to this certificate, this drawing depicts the latch sub-assembly of the Fuel Tank Overfill Prevention Valve.
- iii. Drawing C05159 was added to this certificate, this drawing depicts the float mechanism sub-assembly of the Fuel Tank Overfill Prevention Valve.
- iv. Drawing D01865M was added to this certificate, this drawing depicts the upper tube of the Fuel Tank Overfill Prevention Valve.
- v. Drawing 71SO-400C was revised to recognise change to parts list adding packaging details.
- vi. Drawing 71SO-410C was revised to recognise change to parts list adding packaging details'
- vii. Additional marking required by the standards was added to the certificate.

**Variation 3** - This variation introduced the following change:

- i. To record a change to the applicant/manufacturer's name and address:

From	To
Dover CR Spol s.r.o (OPW Fuelling Components Europe) Prumyslav 4, 431 51 Klasterec nad Ohri, Czech Republic.	OPW Fuelling Components/Fibrelite Composites Ltd. Snaygill Industrial Estate Keighley Rd Skipton N. Yorkshire BD23 2QR United Kingdom

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#### 14 DESCRIPTIVE DOCUMENTS

##### 14.1 Drawings

Refer to Certificate Annexe.

##### 14.2 Associated Reports and Certificate History

Issue	Date	Report number	Comment
0	7 August 2008	R59M15853A	The release of the prime certificate.
1	25 October 2010	R23046A/00	The introduction of Variation 1.
2	18 March 2014	R33102A/00	The introduction of Variation 2.
3	31 October 2019	1934	<ul style="list-style-type: none"><li>• Transfer of certificate Sira 08ATEX9047 from Sira Certification Service to CSA Group Netherlands B.V.</li><li>• EC Type-Examination Certificate in accordance with 94/9/EC updated to EU Type-Examination Certificate in accordance with Directive 2014/34/EU. (In accordance with Article 41 of Directive 2014/34/EU, EC Type-Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Variations to such EC Type-Examination Certificates may continue to bear the original certificate number issued prior to 20 April 2016.)</li></ul>
4	14 January 2022	R80090704A	The introduction of Variation 3.

#### 15 SPECIFIC CONDITIONS OF USE (denoted by X after the certificate number)

15.1 None

#### 16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed in the reports listed in Section 14.2.

#### 17 CONDITIONS OF MANUFACTURE

17.1 The use of this certificate is subject to the Regulations Applicable to Holders of CSA Certificates.

17.2 Holders of EU-Type Examination Certificates are required to comply with the conformity to type requirements defined in Article 13 of Directive 2014/34/EU.

17.3 Where required, the devices shall be checked and tested in accordance with clause 5.5.5 of EN 13616:2004. Functional tests may be simulated

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# Certificate Annexe



Certificate Number: Sira 08ATEX9047

Equipment: Type 71SO Fuel Tank Overfill Prevention Valve

Applicant: OPW Fuelling Components/ Fibrelite Composites Ltd

## Issue 0

Drawing	Sheet	Rev.	Date (Sira stamp)	Description
71SO-400A	1 of 1	A	04 Jul 08	71SO-400 overfill prevention valve - general arrangement
71SO-410A	1 of 1	A	04 Jul 08	71SO-410 overfill prevention valve - general arrangement
202247	1 of 1	A	04 Jul 08	71SO overfill prevention valve – valve body
C05159	1 of 1	REL	04 Jul 08	Float
202250	1 of 1	A	04 Jul 08	Valve bracket arrangement
C03582	1 of 1	A/RDRWN	04 Jul 08	Secondary valve details
C04875	1 of 1	REL	04 Jul 08	Link arm assembly
C03549	1 of 1	F/RDRWN	04 Jul 08	Valve sealing detail
PMR005	1 to 5	0.02	07 Aug 08	Marking details

## Issue 1

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
71SO-XXXX Marking	1 to 5	4.0	10 Aug 10	Product Marking Requirements 71SO Overfill Prevention Device
71SO-400C	1 of 1	C	10 Aug 10	Vapour Tight Overfill Prevention Valve
71SO-410C	1 of 1	C	10 Aug 10	Vapour Tight Overfill Prevention Valve

## Issue 2

The following drawings were introduced.

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
C05158	1 of 1	REL	20 Feb 14	Bracket S/A
D01865M	1 of 1	E	20 Feb 14	Upper Tube
E00707	1 of 1	REL	20 Feb 14	Carb Body S/A
71SO-400C	1 of 1	E	24 Feb 14	Vapor tight overfill prev. valve
71SO-410C	1 of 1	E	24 Feb 14	Vapor tight overfill prev. valve

The following drawings are no longer required.

Drawing	Sheet	Rev.	Date (Sira stamp)	Description
71SO-400A	1 of 1	A	04 Jul 08	71SO-400 overfill prevention valve - general arrangement
71SO-410A	1 of 1	A	04 Jul 08	71SO-410 overfill prevention valve - general arrangement
202247	1 of 1	A	04 Jul 08	71SO overfill prevention valve – valve body
202250	1 of 1	A	04 Jul 08	Valve bracket arrangement
PMR005	1 to 5	0.02	07 Aug 08	Marking details

Issue 3. No new drawings were introduced

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## Issue 4

Drawing	Sheets	Rev.	Date (Stamp)	Title
71SO-XXXX Marking	1 to 5	5.0	16 Sep 21	Product Marking Requirements 71SO Overfill Prevention Device

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