



1 **EU-TYPE EXAMINATION CERTIFICATE**

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

3 Certificate Number: **Sira 06ATEX9341U** Issue: **5**

4 Component: **10 Series Shear Valves**

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

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

7 This component and any acceptable variation thereto are 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 component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of a component 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 13617-3:2004 EN 13463-1:2001

10 The sign 'U' is placed after the certificate number to indicate that the product assessed is a component and may be subject to further assessment when incorporated into equipment. Any limitations of use are listed in the schedule to this certificate.

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

12 The marking of the component shall include the following:



II 1 G
EN 13617-3

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

Sira 06ATEX9341U
Issue 5

13 DESCRIPTION OF COMPONENT

The devices are 'class II' devices, as defined by EN 13617-3 and are designed for fitting into the fuel delivery line at the base of an STP or suction pump, forecourt petrol dispenser. Each device comprises a cast iron body with connection threads at both ends. The body is mounted between the dispenser and the ground/oming pipework. The body contains a spring-loaded main valve ('poppet') intended to shut off the flow of fuel in the event of:

- An impact to the dispenser – a machined radial undercut allows a controlled shear across the body allowing the spring to close the valve.
- A fire on the forecourt – an external thermal link melts allowing the spring to close the valve.

A test point is machined above the shear point and is normally fitted with a threaded plug.

Design Options

- A non-return ('second poppet') valve mounted in the body on the upstream side of the main valve. This is designed to limit drain-back from the dispenser when the valve is sheared.
- Inlet and outlet threads may be 1½" or 2" BSP or NPT female or male with the use of a threaded adaptor.
- The device may be clamped either by means of the integral mounting facilities or by 'U' bolts.

Variation 1 - This variation introduced the following changes:

- i. The fitting of a bellows and alternative linkage to form the **Type 10P**. The device is designed to close the main valve, even in the event of a partial break.

Variation 2 - This variation introduced the following changes:

- i. The recognition of an alternative material of manufacture for the O-ring.
- ii. Typographical errors on drawings were corrected and the nomenclature was harmonized.

Variation 3 - This variation introduced the following changes:

- i. The drawing list was reviewed and several obsolete drawings were removed.
- ii. Drawing DC-10BF-570L was revised to remove all models which are not made.
- iii. Drawing H05361 was revised, all the modifications are drawing related and no changes have been made to the component.
- iv. Drawing C04862 was revised to show a strengthening of the bridge used to hold the secondary poppet in place.
- v. Additional marking required by the standards was added to the certificate.

Variation 4 - 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	1 October 2007	R51M15187A	The release of the prime certificate.
1	04 March 2008	R59M17903A	The introduction of Variation 1.
2	25 October 2010	R23046A/00	The introduction of Variation 2.
3	18 March 2014	R33102A/00	The introduction of Variation 3.
4	31 October 2019	1933	<ul style="list-style-type: none">• Transfer of certificate Sira 06ATEX9341U from Sira Certification Service to CSA Group Netherlands B.V.• EC Type-Examination Certificate in accordance with 94/9/EC updated to EU Type-Examination Certificate in accordance with Directive 2014/34/EU. <i>(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.)</i>
5	14 January 2022	R80090704A	The introduction of Variation 4.

15 SCHEDULE OF LIMITATIONS

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 The devices shall be subjected to the production and routine tests specified in Table 4 of EN 13617-3.

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Certificate Annexe



Certificate Number: Sira 06ATEX9341U
 Component: 10 Series Shear Valves
 Applicant: OPW Fuelling Components/ Fibrelite Composites Ltd

Issue 0

Drawing No.	Sheet	Rev.	Date	Description
DC-10BF-570L	1 of 1	D	23 Oct 03	1½" Valve Female – Single Poppet
10-DC-BFP-571L	1 of 1	F	23 Oct 03	1½" Valve Female – Double Poppet
DC-10-BHMP-583L	1 of 1	D	13 Apr 04	1½" Valve Male – Double Poppet
DC10-BM 580L	1 of 1	D	23 Oct 03	1½" Valve Male – Single Poppet
H05361	1 of 1	-	27 Jun 04	Fusible Arm Assembly
H10447	1 of 1	1	21 Jul 00	1½" Main Poppet Arrangement
C04862	1 of 1	D	13 Oct 05	1½" Top (Non-Return) Poppet Assembly
10BHMP W/TAG PLATE	1 of 1	C	12 Sep 07	Example Label Details
200069	1 of 1	A	29 Sep 05	2" Modular Body Female
C04864	1 of 1	B	11 Jun 03	2" Top (Non-Return) Poppet Assembly Female
D01804	1 of 1	A/RED	27 Jun 00	2" Modular Body Male
C04870	1 of 1	B	06 Nov 03	2" Top (Non-Return) Poppet Assembly Male
H11416	1 of 1	B	27 Dec 04	2" Main Poppet Arrangement

Issue 1

Drawing No	Sheet	Rev.	Date (Sira stamp)	Description
10P-0150	1 of 1	C	25 Feb 08	10P shear valve, single valve – general and sectional arrangement.
10P-0152	1 of 1	C	25 Feb 08	10P shear valve, double valve – general and sectional arrangement.
200143	1 of 1	B	25 Feb 08	Fusible link arm
200489	1 of 1	B	25 Feb 08	Upper body double valve
201476	1 of 1	B	25 Feb 08	Upper body single valve

Issue 2

Drawing	Sheet	Rev.	Date (Sira stamp)	Title
10 Series Marking	1 to 4	2.0	10 Aug 10	Product Marking Requirements Model 10 Series
10P-0150	1 of 1	D	10 Aug 10	Shear Valve
10P-0150L	1 of 1	A	10 Aug 10	Shear Valve British Threads
10P-0152	1 of 1	D	10 Aug 10	Shear Valve
10P-0152L	1 of 1	A	10 Aug 10	Shear Valve British Threads
10BFP-571L	1 of 1	G	10 Aug 10	1 ½" BSPP Female Held-Open Poppet Low Profile Emergency Valve
10BHMP-583L	1 of 1	E	10 Aug 10	1 ½" BSPP Male Held-Open Poppet High Profile Emergency Valve
10BM-580L	1 of 1	E	10 Aug 10	1 ½" BSPP Male Low Profile Emergency Valve

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Issue 3

The following drawings were introduced.

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
10BF-570L	1 of 1	E	11 Feb 14	1½" Valve Female-Single Poppet
H05361	1 of 1	E	11 Feb 14	Fusible Arm Assembly
C04862	1 of 1	E	11 Feb 14	1½" Top (non return) Poppet assembly.

The following drawings are no longer required.

Drawing No.	Sheet	Rev.	Date	Description
10BHMP W/TAG PLATE	1 of 1	C	12 Sep 07	Example Label Details
C04864	1 of 1	B	11 Jun 03	2" Top (Non-Return) Poppet Assembly Female
D01804	1 of 1	A/RED	27 Jun 00	2" Modular Body Male
C04870	1 of 1	B	06 Nov 03	2" Top (Non-Return) Poppet Assembly Male
H11416	1 of 1	B	27 Dec 04	2" Main Poppet Arrangement

Issue 4. No new drawings were introduced.

Issue 5

Drawing	Sheets	Rev.	Date (Stamp)	Title
10 Series Marking	1 to 4	3.0	16 Sep 21	Product Marking Requirements Model 10 Series

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