



EU-TYPE EXAMINATION CERTIFICATE

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

Certificate Number: **Sira 08ATEX9215U** Issue: **5**

Component: **V34, V34I and V34IS Liquid Fuel Dispenser Nozzle**

Applicant: **The Husky Corporation**

Address: 2325 Husky Way
Pacific
Missouri 63069
USA

This component and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

Sira Certification Service, notified body number 0518 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.

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 13012:2012

EN 13463-1:2009

The above list of documents may detail standards that do not appear on the UKAS Scope of Accreditation, but have been added through Sira's flexible scope of accreditation, which is available on request.

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.

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.

The marking of the component shall include the following:



II 1 G

EN 13012 Type 1



Project Number 70128301

C Ellaby
Deputy Certification Manager

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SCHEDULE

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13 DESCRIPTION OF COMPONENT

The V34 Vapour Recovery Nozzles are intended for the automatic delivery of liquid fuel at flow-rate of up to 40 l/min. The main bodies are manufactured from cast aluminium with a separate aluminium delivery spout assembly at the front. At the front of the V34 Vapour Recovery Nozzles there is an entry hole for the attachment of the delivery spout assembly, which is secured via a locking nut. The main bodies are fitted with a trigger type, operating lever assembly that is protected by a guard formed by the cast body, this assembly directly actuates an internal valve to control the delivery of fuel. The main bodies also contain an attitude sensing device and an over-fill cut-off device. The rear of the main bodies have a female-threaded, M34 x 1.5, entry hole to allow a suitable, liquid fuel, delivery hose assembly to be attached.

Design options

- The spout may have an additional vapour recovery sleeve fitted (V34I and V34IS only).
- The main body may be fitted with a Vapour Splash Guard.
- The main body may be fitted with a Full Grip Guard or Reguard.
- The lever assembly may be fitted with a Lever Cover.

Variation 1 - This variation introduced the following change:

- i. To recognise the introduction of a 'Double Poppet' variant.

Variation 2 - This variation introduced the following changes:

- i. The recognition of minor drawing modifications; these amendments are administrative or involve changes to the design that do not affect the aspects of the product that are relevant to explosion safety.

Variation 3 - This variation introduced the following change:

- i. Following appropriate assessment to demonstrate compliance with the latest technical knowledge, EN 13012:2001 and EN 13463-1:2001 were replaced by EN 13012:2012 and EN 13463-1:2009.

Variation 4 - This variation introduced the following change:

- i. The introduction of two types of nozzles with a moulded hand guard (keel) and a moulded lever, both are made from a non-metallic material.

Variation 5 - This variation introduced the following changes:

- i. The introduction of the "tilt" poppet modification to the range of Liquid Fuel Dispenser Nozzles.
- ii. The drawings were updated in a new drawing package to show "tilt" poppet modification and to replace existing drawings: V34_ATEX replaces drawings: 004132A, 007288A and 007426A. V34I_ATEX replaces drawings: 006551A, 007289A, 007427A & 008201A. V34IS_ATEX replaces drawings: 006606A, 007312A & 007428A.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.



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14.2 Associated Sira Reports and Certificate History

| Issue | Date | Report number | Comment |
|-------|------------------|---------------|---|
| 0 | 23 November 2009 | R18076A | The release of the prime certificate. |
| 1 | 10 June 2010 | R21981A/00 | The introduction of Variation 1. |
| 2 | 30 May 2013 | R27626A/00 | The introduction of Variation 2. |
| 3 | 04 June 2015 | R70024215A | The introduction of Variation 3. |
| 4 | 13 November 2015 | R70036568A | The introduction of Variation 4. |
| 5 | 08 August 2017 | R70128301A | This Issue covers the following changes: <ul style="list-style-type: none">• 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>• The introduction of Variation 5 |

15 SCHEDULE OF LIMITATIONS

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 Sira 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 Each V34 Vapour Recovery Fuel Dispenser Nozzle shall be subjected to the routine tests detailed in EN 13012 Table 6.

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Certificate Annexe



Certificate Number: **Sira 08ATEX9215U**
 Component: **V34, V34I and V34IS Liquid Fuel Dispenser Nozzle**
 Applicant: **The Husky Corporation**

Issue 0

| Drawing No. | Sheets | Rev. | Date (Sira stamp) | Title |
|-------------|--------|------|-------------------|-------------------------------------|
| V34_ATEX | 1 of 1 | 0 | 02 Nov 09 | V34 ATEX Assemblies |
| O-RING* | 1 of 1 | 7 | 19 Jun 09 | O-Rings |
| 000010 | 1 of 1 | 10 | 19 Jun 09 | Seal, Poppet, .937, .090 Viton® |
| 000011 | 1 of 1 | 7 | 19 Jun 09 | Poppet seal Holder, Molded |
| 000020 | 1 of 1 | 12 | 19 Jun 09 | Seal, Packing |
| 000022 | 1 of 1 | 5 | 19 Jun 09 | Ball ³ / ₁₆ |
| 000520 | 1 of 1 | 4 | 19 Jun 09 | Ring Retaining, C, Ext, 1000-25 |
| 002001 | 1 of 1 | 8 | 19 Jun 09 | Venturi, 1+10 |
| 002003 | 1 of 1 | 11 | 19 Jun 09 | Plate, Latch, 1+10 |
| 002012 | 1 of 1 | 10 | 19 Jun 09 | Seal, Spout, Buna-N |
| 002018 | 1 of 1 | 4 | 19 Jun 09 | Ring Ret, Blvd, Int, VHO—112ST ZD S |
| 002020 | 1 of 1 | 5 | 19 Jun 09 | Pin, Lever, .186, .781, ZP |
| 002027 | 1 of 1 | 2 | 19 Jun 09 | Cap, Body, 1+10, Machined |
| 002029 | 1 of 1 | 6 | 19 Jun 09 | Nut, Spout, Vapor, Machined |
| 002037 | 1 of 1 | 7 | 19 Jun 09 | Nut, Packing, 1+10 |
| 002061 | 1 of 1 | 6 | 19 Jun 09 | Spring, Packing, .500 X .400 X .048 |
| 002067 | 1 of 1 | 2 | 19 Jun 09 | Ring Ret, Blvd, Int, VHO-193ST ZD S |
| 002174 | 1 of 1 | 11 | 19 Jun 09 | Check Valve, 10S, Unlead, .725 |
| 002184 | 1 of 1 | 1 | 19 Jun 09 | Plug, Freeze, .750 |
| 002624 | 1 of 1 | 7 | 19 Jun 09 | Ring Seal, Plunger, 1+5 Mach |
| 002926 | 1 of 1 | 1 | 19 Jun 09 | Plate, Latch, GPI |
| 003110 | 1 of 1 | 3 | 19 Jun 09 | Spring, Check Valve, 1+10, N/S |
| 003267 | 1 of 1 | 4 | 19 Jun 09 | Attitude Support Assembly |
| 003987 | 1 of 1 | 3 | 19 Jun 09 | Spring, Main, V34 |
| 003991 | 1 of 1 | 8 | 19 Jun 09 | Plunger, Vapor |
| 004021 | 1 of 1 | 6 | 19 Jun 09 | Spout Assy, Unl, Std, V34, 6250 |
| 004044 | 1 of 1 | 2 | 19 Jun 09 | Ring Retaining, M34 |
| 004189 | 1 of 1 | 7 | 19 Jun 09 | Poppet, V34, (6250) |
| 004344 | 1 of 1 | 4 | 19 Jun 09 | Packing Top, White Delrin® |
| 004472 | 1 of 1 | 1 | 19 Jun 09 | Washer, Packing Gland |
| 004603 | 1 of 1 | 7 | 19 Jun 09 | Cap, Pressure, Flat Diaphragm |
| 004607 | 1 of 1 | 2 | 19 Jun 09 | Diaphragm, Flat Diaphragm |
| 004752 | 1 of 1 | 0 | 19 Jun 09 | Check Valve Seat, Assembly, V34 |
| 004831 | 1 of 1 | 2 | 19 Jun 09 | Spring, Diaphragm, 1+5 |
| 005174 | 1 of 1 | 2 | 19 Jun 09 | Bushing, Plunger, 5/V34 |
| 005268 | 1 of 1 | 3 | 19 Jun 09 | Stem, 1A3N/S |
| 005269 | 1 of 1 | 1 | 19 Jun 09 | Stem, Pad |
| 005349 | 1 of 1 | 1 | 19 Jun 09 | Washer, V34, Vapor Valve |
| 005535 | 1 of 1 | 0 | 19 Jun 09 | Valve Assy, Vapor, V34 |
| 005687 | 1 of 1 | 3 | 19 Jun 09 | Sleeve, Flat Diaphragm, V34 |
| 005701 | 1 of 1 | 1 | 19 Jun 09 | Spring, Vapor Valve, V34 |
| 005762 | 1 of 1 | 0 | 19 Jun 09 | Spring, Plunger, V34 |
| 005949 | 1 of 1 | 1 | 19 Jun 09 | Spring, Flat Diaphragm 10S |
| 005951 | 1 of 1 | 1 | 19 Jun 09 | Slide, Flat Diaphragm |
| 005955 | 1 of 1 | 2 | 19 Jun 09 | Wheel, NPNF |

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Certificate Annexe



Certificate Number: **Sira 08ATEX9215U**
 Component: **V34, V34I and V34IS Liquid Fuel Dispenser Nozzle**
 Applicant: **The Husky Corporation**

| Drawing No. | Sheets | Rev. | Date (Sira stamp) | Title |
|-------------|--------|------|-------------------|-------------------------|
| 005956 | 1 of 1 | 3 | 19 Jun 09 | Piston, Flat Diaphragm |
| 006757 | 1 of 2 | 35 | 19 Jun 09 | Body, V34, Machining |
| 006757 | 2 of 2 | 35 | 19 Jun 09 | Body, V34, Machining |
| 006759 | 1 of 1 | 2 | 19 Jun 09 | Diaphragm Assy, V34 |
| 006783 | 1 of 1 | 3 | 19 Jun 09 | Spring, Latch Ring, V34 |
| 006788 | 1 of 1 | 5 | 19 Jun 09 | Ring Latch, V34 |
| 007250 | 1 of 1 | 0 | 02 Nov 09 | Tag, Data, Nozzle, ATEX |

* This drawing is removed at Issue 2.

Issue 1

| Drawing | Sheets | Rev. | Date (Sira Stamp) | Title |
|------------------|--------|------|-------------------|-------------------------------|
| 005366 | 1 of 1 | 1 | 07 Apr 10 | Support, Inner, Double Poppet |
| 005367 | 1 of 1 | 1 | 07 Apr 10 | Poppet Holder, Double 1+10 |
| 005370 | 1 of 1 | 1 | 07 Apr 10 | Seal, Inner, Double Poppet |
| 005386 | 1 of 1 | - | 07 Apr 10 | Poppet Assy, 1+10, Double |
| 005681 | 1 of 1 | 0 | 07 Apr 10 | Skirt, Double Poppet, V34 |
| 005682 | 1 of 1 | 1 | 07 Apr 10 | Stem, Double Poppet, V34 |
| 005685 | 1 of 1 | 0 | 07 Apr 10 | Stem Assy, V34, Double Poppet |
| 007323 | 1 of 1 | 0 | 07 Apr 10 | Skirt, Double Poppet, V341A |
| HI_FLOW_DBL_POPT | 1 of 1 | A | 07 Apr 10 | Double Poppet, High Flow |
| STNDRD_DBL_POPT | 1 of 1 | A | 07 Apr 10 | Double Poppet, Standard |
| V34-ATEX | 1 of 1 | A | 07 Apr 10 | V34 Atex Assemblies |

Issue 2

| Drawing No. | Sheets | Rev. | Date (Sira stamp) | Title |
|-------------|--------|------|-------------------|---------------------------------|
| V34-ATEX | 1 of 1 | 2 | 12 Apr 13 | V34 Atex Assemblies |
| 000011 | 1 of 1 | 8 | 09 Aug 12 | Poppet seal Holder, Molded |
| 002001 | 1 of 1 | 9 | 09 Aug 12 | Venturi, 1+10 |
| 002003 | 1 of 1 | 13 | 09 Aug 12 | Plate, Latch, 1+10 |
| 002027 | 1 of 1 | 5 | 09 Aug 12 | Cap, Body, 1+10, Machined |
| 002029 | 1 of 1 | 7 | 09 Aug 12 | Nut, Spout, Vapor, Machined |
| 002174 | 1 of 1 | 12 | 09 Aug 12 | Check Valve, 10S, Unlead, .725 |
| 002926 | 1 of 1 | 2 | 09 Aug 12 | Plate, Latch, GPI |
| 004021 | 1 of 1 | 9 | 09 Aug 12 | Spout Assy, Unl, Std, V34, 6250 |
| 005951 | 1 of 1 | 6 | 09 Aug 12 | Slide, Flat Diaphragm |
| 005955 | 1 of 1 | 3 | 09 Aug 12 | Wheel, NPNF |
| 005956 | 1 of 1 | 4 | 09 Aug 12 | Piston, Flat Diaphragm |
| 006757 | 1 to 2 | 39 | 12 Apr 13 | Body, V34, Machining |
| 005366 | 1 of 1 | 3 | 09 Aug 12 | Support, Inner, Double Poppet |
| 005367 | 1 of 1 | 3 | 09 Aug 12 | Poppet Holder, Double 1+10 |
| 005370 | 1 of 1 | 2 | 09 Aug 12 | Seal, Inner, Double Poppet |
| 005386 | 1 of 1 | 1 | 09 Aug 12 | Poppet Assy, 1+10, Double |
| 005681 | 1 of 1 | 1 | 09 Aug 12 | Skirt, Double Poppet, V34 |
| 005682 | 1 of 1 | 2 | 09 Aug 12 | Stem, Double Poppet, V34 |
| 005685 | 1 of 1 | 1 | 09 Aug 12 | Stem Assy, V34, Double Poppet |
| 007323 | 1 of 1 | 1 | 09 Aug 12 | Skirt, Double Poppet, V341A |

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 Applicant: **The Husky Corporation**

| Drawing No. | Sheets | Rev. | Date (Sira stamp) | Title |
|-------------|--------|------|-------------------|------------------------------------|
| 004132A | 1 of 1 | 1 | 08 Apr 13 | NOZL, V34, UNL, 6250, ATEX |
| 004951 | 1 of 1 | 3 | 08 Apr 13 | Nut, Spout, 3NI, Machined |
| 006551A | 1 of 1 | 0 | 08 Apr 13 | NOZL, V34I, Unlead, ATEX |
| 006606A | 1 of 1 | 1 | 08 Apr 13 | NOZL, V34I, UNL, 6250, W/S Feature |
| 007288A | 1 of 1 | 1 | 08 Apr 13 | NOZL, V34, UNL, DP, ATEX |
| 007289A | 1 of 1 | 0 | 08 Apr 13 | NOZL, V34I, UNL, DP, ATEX |
| 007312A | 1 of 1 | 1 | 08 Apr 13 | NOZL, V34IS, UNL, DP, ATEX |
| 007329 | 1 of 1 | 0 | 08 Apr 13 | Insert, Vapor, V34I |
| 007426A | 1 of 1 | 1 | 08 Apr 13 | NOZL, V34, UNL, HI Flow DP, ATEX |
| 007427A | 1 of 1 | 0 | 08 Apr 13 | NOZL, V34I, UNL, HI Flow DP, ATEX |
| 007428A | 1 of 1 | 1 | 08 Apr 13 | NOZL, V34IS, UNL, HI Flow DP, ATEX |
| 007471 | 1 of 1 | 0 | 08 Apr 13 | Spout Assy, UNL, V34I |
| 008201A | 1 of 1 | 0 | 08 Apr 13 | NOZL, V34I, UL, HF DP WO/CLP, ATEX |
| 010075 | 1 of 1 | 0 | 08 Apr 13 | Piston, Flat, Diaphragm, Aluminum |

Issue 3: (No new drawings were introduced)

Issue 4

| Drawing | Sheets | Rev. | Date (Sira stamp) | Description |
|---------|--------|------|-------------------|---------------------------------------|
| 007281 | 1 of 1 | 4 | 26 Oct 15 | Lever, Plastic |
| 008972 | 1 to 2 | 0 | 26 Oct 15 | Body, Casting, Machined |
| 008007 | 1 of 1 | 0 | 26 Oct 15 | Lever, 10, EZ, Main |
| 008974 | 1 of 1 | D | 26 Oct 15 | Hand guard, X, Intl, Posts |
| 008975 | 1 of 1 | D | 26 Oct 15 | Hand guard, X, Intl |
| 008980 | 1 of 1 | H | 26 Oct 15 | Hand guard, X, Gilbarco |
| 010179 | 1 of 1 | A | 26 Oct 15 | Hand guard, X, Intl assy |
| 010182 | 1 of 1 | B | 26 Oct 15 | Hand guard, X, Gilbarco, Mag Assy |
| 011404 | 1 of 1 | .A | 26 Oct 15 | Hand guard, X, Tok. |
| 011636 | 1 of 1 | A | 26 Oct 15 | Hand guard, X, Intl Assy, WMHG |
| 011785 | 1 of 1 | B | 26 Oct 15 | Hand guard, X, Gilbarco, Non Mag Assy |
| 011793 | 1 of 1 | A | 26 Oct 15 | Hand guard, X, Intl Assy, WHG |

Issue 5

| Drawing | Sheets | Rev. | Date (Sira Stamp) | Title |
|------------|--------|------|-------------------|-------------------------|
| V34_ATEX | 1 to 2 | 0 | 03 Aug 17 | V34 ATEX Cert Drawing |
| V34I_ATEX | 1 to 2 | 0 | 03 Aug 17 | V34I ATEX Cert Drawing |
| V34IS_ATEX | 1 to 2 | 0 | 03 Aug 17 | V34IS ATEX Cert Drawing |

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