



1 **EC TYPE-EXAMINATION CERTIFICATE**

2 Component intended for use in Potentially Explosive Atmospheres Directive 94/9/EC

3 Certificate Number: **Sira 08ATEX9215U** Issue: **2**

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

5 Applicant: **The Husky Corporation**

6 Address: **2325 Husky Way  
Pacific  
Missouri  
63069  
USA**

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

8 Sira Certification Service, notified body number 0518 in accordance with Article 9 of Directive 94/9/EC of 23 March 1994, 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 13012:2001 EN 13463-1:2001

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.

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 special conditions for safe use are listed in the schedule to this certificate.

11 This EC 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 13012 Type 1

Project Number 27626  
C. Index 09

A C Smith  
Certification Manager

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**Sira Certification Service**

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## SCHEDULE

### EC TYPE-EXAMINATION CERTIFICATE

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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 changes:

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

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

- 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.

#### 14 DESCRIPTIVE DOCUMENTS

##### 14.1 Drawings

Refer to Certificate Annexe.

##### 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.

#### 15 SPECIAL CONDITIONS FOR SAFE USE

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 CERTIFICATION

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

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SCHEDULE

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- 17.2 Holders of EC type-examination certificates are required to comply with the production control requirements defined in Article 8 of directive 94/9/EC.
- 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 <sup>3</sup> / <sub>16</sub>
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, Bvld, 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, Bvld, 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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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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004132A	1	1	08 Apr 13	NOZL, V34, UNL, 6250, ATEX
004951	1	3	08 Apr 13	Nut, Spout, 3NI, Machined
006551A	1	0	08 Apr 13	NOZL, V34I, Unlead, ATEX
006606A	1	1	08 Apr 13	NOZL, V34I, UNL, 6250, W/S Feature
007288A	1	1	08 Apr 13	NOZL, V34, UNL, DP, ATEX
007289A	1	0	08 Apr 13	NOZL, V34I, UNL, DP, ATEX
007312A	1	1	08 Apr 13	NOZL, V34IS, UNL, DP, ATEX
007329	1	0	08 Apr 13	Insert, Vapor, V34I
007426A	1	1	08 Apr 13	NOZL, V34, UNL, HI Flow DP, ATEX
007427A	1	0	08 Apr 13	NOZL, V34I, UNL, HI Flow DP, ATEX
007428A	1	1	08 Apr 13	NOZL, V34IS, UNL, HI Flow DP, ATEX
007471	1	0	08 Apr 13	Spout Assy, UNL, V34I
008201A	1	0	08 Apr 13	NOZL, V34I, UL, HF DP WO/CLP, ATEX
010075	1	0	08 Apr 13	Piston, Flat, Diaphragm, Aluminum

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