



EC - TYPE EXAMINATION CERTIFICATE

**Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC**

- EC - Type Examination Certificate Number: **Baseefa09ATEX0266X**
- Equipment or Protective System: **RV Range of ATEX Rotary Valves**
- Manufacturer: **Rotolok Ltd**
- Address: **1 Millennium Place, Tiverton, Devon, EX16 6SB**
- This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- Baseefa, Notified Body number 1180, in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.
- The examination and test results are recorded in confidential Report No. **09(C)0415**
- Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
- EN 13463-1: 2009**
EN 13463-5: 2003
- except in respect of those requirements listed at item 18 of the Schedule.
- If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.
- This EC - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protective system. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.
- The marking of the equipment or protective system shall include the following :

(Ex) II 1 GD c T4 T135°C

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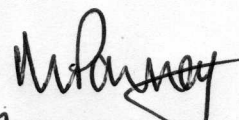
Baseefa Customer Reference No. **6385**

Project File No. **09/0415**

This certificate is granted subject to the general terms and conditions of Baseefa. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

Baseefa

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Registered in England No. 4305578. Registered address as above.


R S SINCLAIR
DIRECTOR
On behalf of
Baseefa

Re-issued 28 April 2010 to replace original



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Schedule

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Certificate Number Baseefa09ATEX0266X

15

Description of Equipment or Protective System

The Rotolok Range of Rotary Valves comprises sizes 85, 100, 125, 150, 200, 250, 300, 350, 400, 450, 500 and 600.

Each rotary valve comprises a metal body with flanged inlet and outlet process connections.

A rotor is situated centrally within the body and has 8 equi-spaced vanes which are precisely machined to create a controlled clearance with the internal diameter of the body and at the vane ends.

The body may be provided with purge ports on the shaft or outlet side. In addition mid-point vent ports may be provided, in these cases the rotor is such that there are at least two vanes between the upstream process side of the valve and the vent port.

The rotor shaft has seals at each end and is bearing supported externally at each end. The drive end is provided with a coupling for attachment to a suitable drive assembly which not included within the scope of this report.

16

Report Number

Baseefa Certification Report 09(C)0415

17

Special Conditions for Safe Use

1. The drive must be such that the following speeds cannot be exceeded:

Valve Size	Speed (r/min)
85	224
100	150
125	152
150	127
200	95
250	76
300	63
350	54
400	47
450	42
500	38
600	31

18

Essential Health and Safety Requirements

All relevant Essential Health and Safety Requirements are covered by the standards listed at item 9.

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Drawings and Documents

Number	Issue	Date	Description
F0001	B	25/01/10	Round Flange Bareshaft Arrangement - ATEX Rotary Valve Range
F0003	A	3/12/09	Cross Sections - ATEX Rotary Valves Range
F0004	B	25/01/10	Square Flange Bareshaft Arrangement - ATEX Rotary Valve Range



SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE

**Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC**

Supplementary EC - Type Examination Certificate Number: **Baseefa09ATEX0266X/1**

Equipment or Protective System: **RV Range of ATEX Rotary Valves**

Manufacturer: **Rotolok Ltd**

Address: **1 Millennium Place, Tiverton, Devon, EX16 6SB**

This supplementary certificate extends EC – Type Examination Certificate No. Baseefa09ATEX0266X to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

This supplementary certificate shall be held with the original certificate.

This certificate may only be reproduced in its entirety, without any change, schedule included.

Baseefa Customer Reference No. **6385**

Project File No. **11/0092**

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R S SINCLAIR
DIRECTOR
On behalf of
Baseefa



13 **Schedule**
14 **Certificate Number Baseefa09ATEX0266X/1**

15 **Description of the variation to the Equipment or Protective System**

Variation 1.1

To increase the range of the valves to include the size 750 round flange type and the size 750 and 915 square flange type.

16 **Report Number**

None

17 **Special Conditions for Safe Use**

The following special condition from the original certification is amended as follows:

1. The drive must be such that the following speeds cannot be exceeded:

Valve Size	Speed (r/min)
85	224
100	150
125	152
150	127
200	95
250	76
300	63
350	54
400	47
450	42
500	38
600	31
750	25
915	20

18 **Essential Health and Safety Requirements**

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 **Drawings and Documents**

Number	Sheet	Issue	Date	Description
F0001	1 of 1	C	19/01/2011	Round Flange Bareshaft Arrangement ATEX Rotary Valve Range
F0004	1 of 1	C	19/01/2011	Square Flange Bareshaft Arrangement ATEX Rotary Valve Range

SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE

**Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC**

- 3 Supplementary EC - Type Examination Certificate Number: **Baseefa09ATEX0266X/2**
- 4 Equipment or Protective System: **RV Range of ATEX Rotary Valves**
- 5 Manufacturer: **Rotolok Ltd**
- 6 Address: **1 Millennium Place, Tiverton, Devon, EX16 6SB**
- 7 This supplementary certificate extends EC - Type Examination Certificate No. Baseefa09ATEX0266X to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

This supplementary certificate shall be held with the original certificate.

Baseefa Customer Reference No. **6385**

Project File No. **13/0086**

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R S Sinclair
R S SINCLAIR

GENERAL MANAGER

On behalf of SGS Baseefa Limited

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Schedule

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Certificate Number Baseefa09ATEX0266X/2

15 Description of the variation to the Equipment or Protective System

Variation 2.1

To permit an alternative marking arrangement which includes separate details of the Protective System certificate Baseefa11ATEX0127X on the same nameplate.

Variation 2.2

To include additional design features which include closed rotor, re-greasable flange mounted bearings, replaceable closed tips, replaceable open blades, open/closed combination rotor, inlet deflector, main body inspection door, quick release rotor, blow through outlet arrangement, body with offset inlet and outlet flanges and additional sizes for the inlet and outlet flanges of the valves. The additional sizes range from 80mm x 100mm, upto and including 500mm x 1250mm.

16 Report Number

13(C)0086

17 Specific Conditions of Use

2. The rotary valve can be dual marked with the Protective System certificate marking when the individual valve arrangement complies with both certificates.
3. Further guidance on the issues relating to electrostatics hazards associated with the conveying of process medium can be found in technical specification document PD IEC/TS 60079-32-1:2013.

18 Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 Drawings and Documents

Number	Sheet	Issue	Date	Description
F0001	1 of 1	D	02/05/2013	Round Flange Bareshaft Arrangement ATEX Rotary Valve Range
F0004	1 of 1	D	02/05/2013	Square Flange Bareshaft Arrangement ATEX Rotary Valve Range
F0010	1 of 1	A	02/07/2014	Additional Features ATEX Rotary Valve Range
F0015	1 of 1	A	03/07/2014	Tip and Blade Details ATEX Rotary Valve Range

SUPPLEMENTARY EU - TYPE EXAMINATION CERTIFICATE

**Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 2014/34/EU**

Supplementary EU - Type Examination Certificate Number: **Baseefa09ATEX0266X/3**

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. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20 April 2016

Product: **RV Range of ATEX Rotary Valves**

Manufacturer: **Rotolok Ltd**

Address: **1 Millennium Place, Tiverton, Devon, EX16 6SB**

This supplementary certificate extends EC – Type Examination Certificate No. Baseefa09ATEX0266X to apply to products designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

SGS Baseefa, Notified Body number 1180, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that the product, as modified by this supplementary certificate, has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

SGS Baseefa Customer Reference No. **6385**

Project File No. **17/0107**

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R S Sinclair
R S SINCLAIR

TECHNICAL MANAGER

On behalf of SGS Baseefa Limited

13

Schedule

14

Certificate Number Baseefa09ATEX0266X/3

15 Description of the variation to the Product

Variation 3.1

To permit the use of an alternative material for the replaceable closed tip design.

16 Report Number

17(C)0107

17 Specific Conditions of Use

None additional to those listed previously

18 Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 Drawings and Documents

Number	Sheet	Issue	Date	Description
F0015	1 of 1	B	09/01/2017	Tip and Blade Details ATEX Rotary Valve Range