



1 **EU-TYPE EXAMINATION CERTIFICATE**

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

3 Certificate Number: **Sira 19ATEX1062X** Issue: **1**

4 Equipment: **44-6800 Series Pressure Regulator**

5 Applicant: **Tescom Corporation**

6 Address: 12616 Industrial Blvd  
Elk River, MN 55330  
USA

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 Testing & Certification, 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 IEC 60079-0:2018

EN 60079-1:2014

EN 60079-31:2014

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 2GD

Ex db IIB+H<sub>2</sub> T3 Gb

Ex tb IIIC T200°C Db

Ta = -40 °C to +65 °C (integral Electronics Enclosure and Pressure Regulator)

Ta = -40 °C to +85 °C (separate Pressure Regulator, without Electronics Enclosure)

Project Number 4132

Signed: 

Title: Director of Operations

This certificate and its schedules may only be reproduced in its entirety and without change

**CSA Group Netherlands B.V**  
Utrechtseweg 310,  
6812 AR, Arnhem,  
Netherlands

Page 1 of 2



## SCHEDULE

### EU-TYPE EXAMINATION CERTIFICATE

**SIRA 19ATEX1062X**  
**Issue 1**

#### 13 DESCRIPTION OF EQUIPMENT

The 44-6800 Series vaporizing regulator is a self-contained, spring loaded, pressure-reducing regulator and it is designed to supply heat to sample media entering different instrumentation systems. The regulator is made of two major components – pressure regulator (Bonnet) and the electronics enclosure. The pressure regulator is where the heat exchange is taking place. It contains a cartridge heater and thermocouple assembly. The pressure regulator is connected to the electronics enclosure by use of tapered threads enclosure entry. The electronics enclosure houses the electronics and the temperature controller and is installed in an ambient of +65°C. The pressure regulator or Bonnet may be installed remotely away from the electronics enclosure, in elevated ambient temperature up to +85°C, closer to the process installation.

The optical radiation of the status and backlighting LEDs within the apparatus, with respect to explosion protection, is covered in this certificate based on exception 1) to the scope of EN 60079-28:2015.

#### 14 DESCRIPTIVE DOCUMENTS

##### 14.1 Drawings

Refer to Certificate Annexe.

##### 14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	19 15th October 2019	R70174302A	The release of the prime certificate.
1	15th October 2019	4132	<ul style="list-style-type: none"> <li>The transfer of certificate <b>Sira 19ATEX1062X</b> from Sira Certification Service to CSA Group Netherlands B.V..</li> </ul>

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

15.1 Flameproof joints are not to be repaired.

15.2 Wiring entering and exiting the enclosure must be suitable for 95°C or higher.

#### 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.

# Certificate Annexe



**Certificate Number:** Sira 19ATEX1062X  
**Equipment:** 44-6800 Series Pressure Regulator  
**Applicant:** Tescom Corporation

---

## Issue 0

Drawing	Sheets	Rev.	Date(Sira stamp)	Title
ERAA30600	1 to 12	AA	20 Feb 19	44-6800 Assembly
ERAA27808	1 of 1	AD	20 Feb 19	Heater
ERAA42809	1 of 1	AA	07 Mar 19	Marking

This certificate and its schedules may only be reproduced in its entirety and without change

**CSA Group Netherlands B.V.**  
Utrechseweg 310,  
6812 AR, Arnhem,  
Netherlands