



**INSTALLATION, SERVICE AND MAINTENANCE  
INSTRUCTIONS**

**ANNEX FOR CE ATEX REGISTERED EQUIPMENT UNDER  
DIRECTIVE 2014/34/EU:**

**CHECK VALVES Ex**

**The contents of this Annex complement the information included in the instruction manual. The instructions in this Annex must be observed whenever equipment registered under Directive 2014/34/EU is used.**

**If applicable, this Annex shall be complemented by the manuals of ATEX-certified components which form part of the unit (e.g., seals).**



**Original Manual**

10.501.30.03EN

(A) 2022/11

## EU Declaration of Conformity ATEX 2014/34/EU

We,

**INOXPA, S.A.U.**

Telers, 60  
17820 – Banyoles (Girona)

Hereby declare under our sole responsibility that the machine

**VALVE**

Model

**CHECK**

From serial number **IXXXXXXXXX** to **IXXXXXXXXX** <sup>(1)</sup>

Fulfills all the relevant provisions of Safety and Health from ATEX 2014/34/EU Directive and are adapted to the harmonized norms:

EN ISO 80079-36:2016  
EN ISO 80079-37:2016  
EN 1127-1:2019  
EN 13237:2012  
EN 15198:2007

This Declaration of Conformity covers equipment with the following ATEX marking:



II 2G Ex h IIB T6...T3 Gb

II 2D Ex h IIIB T85 °C...T200 °C Db

The technical documentation referenced 018400/15 is on file with the notified body INSTITUT NATIONAL DE L'ENVIRONNEMENT INDUSTRIEL ET DES RISQUES (INERIS), Parc Technologique Alata BP 2, 60550 Verneuil-en-Halatte, France. Reference num. 0080.

Signed by and on behalf of:

**INOXPA, S.A.U.**



David Reyero Brunet  
Technical Office Manager  
Banyoles, 2022

<sup>(1)</sup> the serial number may be preceded by a slash and by one or two alphanumeric characters

# 1. Safety

## 1.1. INSTRUCTIONS MANUAL

## 1.2. INSTRUCTIONS FOR STARTING UP

## 1.3. SAFETY

### 1.3.1. Warning symbols



**Danger! Important indications regarding protection from explosions**

## 1.4. GENERAL SAFETY INSTRUCTIONS

### 1.4.1. During installation

**In order to reduce the risk of static electricity, the equipment must be earthed to ensure electrical continuity between the pipes and the valve**

### 1.4.2. During operation

**The limits of the operating conditions in explosive atmospheres must not be exceeded**

**This valve was selected according to the operating conditions specified by the user. Therefore, INOXPA disclaims liability for any damage caused by use of the valve in conditions other than those stated in the order**

### 1.4.3. During maintenance



**Danger! Important indications regarding protection from explosions.**

**An explosive atmosphere may be created during disassembly of the valve. Therefore, safe work permits must be issued and these jobs must only be done by qualified or trained personnel**

### 1.4.4. Compliance with the instructions

Any non-fulfilment of the instructions may result in a risk for the operators, the environment and the machine, and may result in the loss of your right to claim damages.

Non-fulfilment may cause the following risks (in addition to those indicated in the manual):

- Creation of explosive atmospheres and risk of explosion.

## **1.5. GUARANTEE**

Any guarantee will be lawfully cancelled immediately; in addition, we will be compensated for any claims of civil liability presented by third parties, in the case that (further to the conditions already indicated in the manual):

- The equipment has been used improperly or has not been used in accordance with the working conditions in the classified area, work has been carried out in a different classified area, or different conditions of temperature or pressure and/or different substances have been used.

## 2. Table of Contents

<b>The indications of such sections must be observed in addition to those of the valve manual.</b>
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## 3. Receipt and installation

### 3.1. CHECKING THE SHIPMENT

The received valve must be checked to ensure that it is adapted to the working conditions of the classified area and the conditions of the order

### 3.2. DELIVERY AND UNPACKING

#### 3.2.1. Delivery

#### 3.2.2. Unpacking

### 3.3. IDENTIFICATION

The following additional information shall identify ATEX valves:



II 2G Ex h IIB T6...T3 Gb

II 2D Ex h IIB T85°C...T200 °C Db

The temperature class and the maximum surface temperature depend on the temperature of the product to be stirred and the ambient temperature.

Temperature class for explosive gas atmospheres

Temperature class	Product temperature (in process or cleaning)	Room temperature
T6	$\leq 60\text{ °C}$	-20 °C to +40 °C
T5	$\leq 75\text{ °C}$	
T4	$\leq 110\text{ °C}$	
T3	$\leq 140\text{ °C}$	

Maximum surface temperature for explosive dust atmospheres

Maximum surface temperature	Product temperature (in process or cleaning)	Room temperature
T85 °C	$\leq 85\text{ °C}$	-20 °C to +40 °C
T100 °C	$\leq 100\text{ °C}$	
T125 °C	$\leq 125\text{ °C}$	
T 200 °C	$\leq 200\text{ °C}$	

### 3.4. POSITIONING

### 3.5. ASSEMBLY

In order to reduce the risk of static electricity, the equipment must be earthed to ensure electrical continuity between the pipes and the valve

### 3.6. INSPECTING AND CHECKING



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### 3.7. WELDING

**Safe-work permits will be required for any welding work in potentially explosive atmospheres. It is strongly recommended that this type of work be carried out in non-classified atmospheres (i.e. there must not be an explosive atmosphere in the location of the valve when it is being handled)**

#### 3.7.1. WELD/WELD CHECK VALVE

## 4. Start-up

### 4.1. STARTING UP

**The received valve must be checked to ensure that it is adapted to the working conditions of the classified area and the conditions of the order**

**Ensure that there is an uninterrupted supply of electricity between the valve and that installation, and that the installation is earthed**

### 4.2. OPERATION

**Do not modify the operating parameters for which the valve has been designed without written prior authorisation from INOXPA**

**The valve was selected for specific working conditions in potentially explosive atmospheres at the time the order was placed. INOXPA will not be responsible for any damage caused if the information provided by the buyer is incomplete or incorrect (type of liquid, viscosity, classification of the potentially explosive zone, gas generated by the potentially explosive atmosphere, etc.)**



## 6. Maintenance

### 6.1. GENERAL INFORMATION

**The valves shall only be assembled and disassembled by qualified staff and safe work permits must be obtained for potentially atmospheric atmospheres.**

### 6.2. MAINTENANCE

#### 6.2.1. Maintenance of the seals.

#### 6.2.2. Storage

#### 6.2.3. Spare parts

*When ordering spare parts for a valve to work in a classified zone, it is necessary to explicitly indicate on the order that they are for a valve operating in an ATEX zone, and to indicate the characteristics of this zone.*

*Otherwise, INOXPA cannot ensure that the valve will operate with parts that are suitable for the classified area within which it is installed.*

### 6.3. CLEANING

**Before starting disassembly and assembly work, it is necessary to take into account the presence or possible formation of potentially explosive atmospheres**

## **7. Assembly and disassembly**

**The valves shall only be assembled and disassembled by qualified staff and safe work permits must be obtained for potentially atmospheric atmospheres**

### **7.1. DISASSEMBLY / ASSEMBLY OF THE CHECK VALVE**

### **7.2. POSITIONING OF THE CHECK VALVE**

### **7.3. TECHNICAL SPECIFICATIONS**

Temperature range. See section 3.3.

### **7.4. WELD/WELD CHECK VALVE DIMENSIONS**

### **7.5. SECTION AND PARTS LIST**

### **7.6. PARTS LIST**