INSTALLATION, SERVICE AND MAINTENANCE INSTRUCTIONS

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

Ex OVERFLOW VALVE

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

If applicable, this Annex will be complemented with the manuals of the ATEX registered components that form part of the assembly (e.g., seals, etc.).

Original Manual

10.207.30.01EN

(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
OVERFLOW

From serial number **IXXXXXXXXX** to **IXXXXXXXXX** (1)

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 ºC…T200 ºC Db

The technical documentation referenced 019074/18 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

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

1. Safety

1.1. INSTRUCTIONS MANUAL

1.2. START-UP INSTRUCTIONS

1.3. SAFETY

1.3.1. Warning symbols

Danger! Important instructions for protection from explosions.

1.4. GENERAL SAFETY INSTRUCTIONS

1.4.1. During installation

To reduce the risk of static electricity, the assembly 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 the use of the valve under conditions other that those set forth in the order

1.4.3. During maintenance

Danger! Important instructions for protection from explosions.

An explosive atmosphere may be generated or be present when the valve is being disassembled, so 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, the machine, and the installations, and may result in the loss of your right to claim damages.
This failure to comply may create the following risks (in addition to those already indicated in the manual):
- Creation of explosive atmospheres and the risk of explosion.

1.5. GUARANTEE

Any guarantee will be cancelled immediately and as a matter of law and, in addition, we will require compensation for any claims of civil liability presented by third parties, in case (in addition to the conditions already indicated in the manual):
- The material has been badly used or has not been used according to the operating conditions in the classified area, operating in a different classified area, temperature or pressure conditions, and/or with a different substance.

2. Table of Contents

The indications of such sections must be observed in addition to those of the valve manual.

3. Receiving and installation

3.1. CHECKING THE SHIPMENT

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

3.2. DELIVERY AND UNPACKING

3.2.1. Delivery

3.2.2. Unpacking

3.3. IDENTIFICATION

In the case of ATEX valves, additional identification will be established with the following:

II 2G Ex h IIB T6…T3 Gb
II 2D Ex h IIIB T85ºC…T200 ºC 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	≤ 60 °C	-20 °C to +40 °C
T5	≤ 75 °C	
T4	≤ 110 °C	
T3	≤ 140 °C	

Maximum surface temperature for explosive dust atmospheres

Maximum surface temperature	Product temperature (in process or cleaning)	Room temperature
T85 °C	≤ 85 °C	-20 °C to +40 °C
T100 ºC	≤ 100 °C	
T125 ºC	≤ 125 °C	
T 200 °C	≤ 200 °C	

3.4. LOCATION

3.5. FLOW DIRECTION

3.6. OVERFLOW VALVE POSITION

3.7. ASSEMBLY

To reduce the risk of static electricity, the assembly must be earthed to ensure electrical continuity between the pipes and the valve

3.8. INSPECTING AND CHECKING

3.9. WELDING

Safe-work permits shall 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)

3.9.1. Welding/welding overflow valve. Fig. 74700.

4. Start-up

4.1. VALVE APPLICATIONS

4.2. STARTING UP

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

Ensure that there is electrical continuity between the valve and the installation, and that the installation has an earth connection

4.3. 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 which may be 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.)

4.4. VALVE CALIBRATION

6. Maintenance

6.1. GENERAL

Valves must only be assembled and disassembled by qualified staff, taking into account that it is necessary to adopt safe-work permits if working in a potentially explosive atmosphere

6.2. MAINTENANCE

6.2.1. Maintenance of the seals

6.2.2. Storage

6.2.3. Spare parts

When ordering spare valve parts to work in a classified area, the order must explicitly indicate that the parts will be used in an ATEX area, and must state the characteristics of that area. Otherwise, INOXPA cannot ensure that the valve operates with parts that are suitable for the classified area within which it is installed.

6.3. CLEANING

Before starting disassembly and assembly work, the presence or possible formation of potentially explosive atmospheres must be taken into account

7. Assembly and disassembly

Valves must only be assembled and disassembled by qualified staff, taking into account that it is necessary to adopt safe-work permits if working in a potentially explosive atmosphere

7.1. DISASSEMBLY / ASSEMBLY OF THE OVERFLOW VALVE FIG: 74700

7.2. DISASSEMBLY / ASSEMBLY OF THE OVERFLOW VALVE FIG: 74700M

7.3. DISASSEMBLY / ASSEMBLY OF THE OVERFLOW VALVE WITH PTFE SEAT FIG:

7.4. DISASSEMBLY / ASSEMBLY OF THE OVERFLOW VALVE FIG: 74700M WITH PTFE SEAT

8. Technical Specifications

Temperature range. See section 3.3.

8.1. RELIEF VALVE DIMENSIONS

8.2. SECTION AND PARTS LIST