



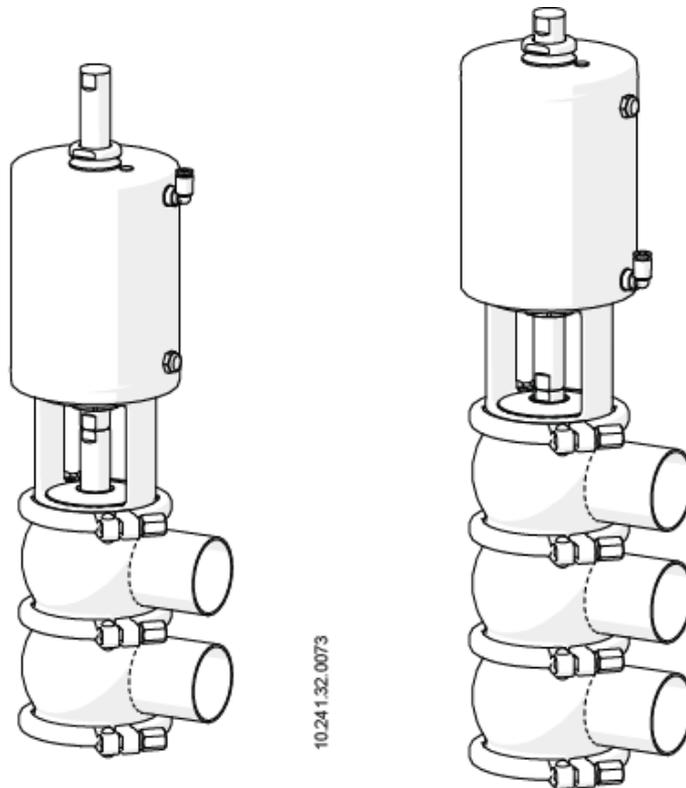
**INSTALLATION, SERVICE AND  
MAINTENANCE INSTRUCTIONS**

**ANNEX FOR CE MARKED EQUIPMENT ACCORDING TO THE  
ATEX DIRECTIVE 2014/34/EU:**

**SINGLE SEAT VALVE INNOVA M/L Ex**

The content of this Annex supplements the information in the instruction manual. The instructions in this Annex must be taken into account in conjunction with the equipment marked according to Directive 2014/34/EU.

This Annex is complemented, if applicable, by the manuals of the ATEX-certified components comprising the assembly.



**Original Manual**

10.241.30.10EN

(0) 2025/04

## 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

### **SINGLE SEAT VALVE**

Model

**INNOVA M/L**

From serial number **IXXXXXXXXXX** to **IXXXXXXXXXX** <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<br>II 2D Ex h IIB T85°C...T200°C Db     |  II 2G Ex h IIB T6...T3 Gb X<br>II 2D Ex h IIB T85°C...T200°C Db X |
|  II 3G Ex h IIB T6...T3 Gb X<br>II 3D Ex h IIB T85°C...T200°C Db X |  II 2G Ex h IIB T6...T3 Gb X                                       |

**X** – specific conditions of use. Consult the instruction manual of the control head and positioner supplier (if applicable).

The technical documentation referenced 26248838-811347 is on file with the notified body LABORATOIRE CENTRAL DES INDUSTRIES ELECTRIQUES (LCIE), 33, Av. du Général Leclerc BP 8, 92266 Fontenay-aux-Roses, France. Reference num. 0081.

Signed by and on behalf of:

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



David Reyero Brunet  
Technical Office Manager  
Banyoles, 2025

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

## 2. Generalities

### 2.1. INSTRUCTIONS MANUAL

This manual contains information about the reception, installation, operation, assembly and maintenance of the single seat valve INNOVA M/L. Carefully read the instruction prior to starting the valve, familiarize yourself with the installation, operation and correct use of the valve and strictly follow the instructions. These instructions should be kept in a safe location near the installation area. The information published in the instruction manual is based on updated data. INOXPA reserves the right to modify this instruction manual without prior notice.

### 2.2. COMPLIANCE WITH THE INSTRUCTIONS

Failure to comply with the instructions may prove hazardous for operators, the environment, the machine and the installations, leading to a loss of rights for claiming damages.

This non-compliance may result in the following hazards (in addition to those already listed in the manual):

- Generation of explosive atmospheres and risk of explosion.

### 2.3. WARRANTY

Any warranty will immediately be declared void, as of right, and we will be entitled to indemnity for any civil liability claim put forward by third parties (in addition to the conditions referred to in the manual):

- The material has been badly used or has not been used according to the conditions for working in the classified zone, in a different classified zone, in temperature or pressure conditions and/or different substance.

## 3. Safety

### 3.1. WARNING SYMBOLS



**Danger! Important instructions for protection from explosions**

### 3.2. GENERAL SAFETY INSTRUCTIONS

#### 3.2.1. During installation

**The reduce the danger from static electricity, the assembly should be earthed to ensure electrical continuity between pipes and valves**

#### 3.2.2. During operation

**The limit values for the operating conditions in explosive atmospheres must not be exceeded**

**The valve was selected according to the working conditions specified by the user, therefore INOXPA is not responsible for any damage that may occur due to the use of valve under conditions other than those stated in the order**

#### 3.2.3. During maintenance



**Danger! Important instructions for protection from explosions**

**An explosive atmosphere may be generated or be present when removing the valve therefore safe work permits should be set and these tasks should only be carried out by qualified or trained personnel.**

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The instructions provided in these sections of this Annex should be taken into account jointly with the valve manual.

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## 4. General information

### 4.1. DESCRIPTION

The single-seat valves INNOVA M and INNOVA L are a sanitary and flexible design. The single-seat valve INNOVA M is a shut-off valve used to open or close pipe sections. The single seat valve INNOVA L is a divert valve to divert the product with a diverging flow.

### 4.2. APPLICATION

The single seat valves INNOVA M and INNOVA L are suitable for a wide range of applications in the food, beverage, pharmaceutical and chemical industries. The INNOVA M valve is usually used for emptying, drainage or as shut-off valve on a bypass line. The INNOVA L valve is often used to supply CIP and on return lines.

## 5. Installation

### 5.1. RECEPTION OF THE VALVE

**It should be checked that the valve received is adjusted to the working conditions in the classified zone as well as the order conditions**

### 5.3. IDENTIFICATION

ATEX valves should be identified in a complementary manner:

|   |  |
|---|--|
|  | II 2G Ex h IIB T6...T3 Gb<br>II 2D Ex h IIIB T85°C...T200°C Db     |
|  | II 3G Ex h IIB T6...T3 Gb X<br>II 3D Ex h IIIB T85°C...T200°C Db X |
|  | II 2G Ex h IIB T6...T3 Gb X  |
|  | II 2G Ex h IIB T6...T3 Gb X<br>II 2D Ex h IIIB T85°C...T200°C Db X |

X – specific conditions of use. Consult the instruction manual of the control head and positioner supplier (if applicable).

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 °C                     | ≤ 100 °C                                     |                  |
| T125 °C                     | ≤ 125 °C                                     |                  |
| T 200 °C                    | ≤ 200 °C                                     |                  |

## 5.6. GENERAL INSTALLATION

**To reduce the danger from static electricity, the assembly should be earthed to ensure electrical continuity between pipes and valves**

## 5.8. WELDING

**Safe work permits must be set for any welding work in potentially explosive atmospheres; it is recommended to this kind of work in non-classified atmospheres (there is no explosive atmosphere in the valve's location during handling)**

## 6. Start-up

**It should be checked that the valve received is adjusted to the working conditions in the classified zone as well as the order conditions**

**Ensure electrical continuity between the valve and the installation, as well as connecting the installation to earth**

**The stem and the body are connected to ensure electrical continuity (in case of DE double effect actuator)**

**In the Dual Stop option, a connection is made between the piston and the support, to ensure electrical continuity. The piston will be made of aluminium**

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

**The valve was selected for certain working conditions in potentially explosive atmospheres at the time of placing the order. INOXPA is not liable for any damage that may arise if the information provided by the buyer is incomplete or incorrect (liquid type, viscosity, classification of the potentially explosive area, gas generated by the potentially explosive atmosphere, etc.)**

**The valve must always be flooded with product. Therefore, the end user must take this into account, thereby avoiding the possibility of the product entering the same external atmosphere. INOXPA will not be liable for any damage that may occur if this solution is not adopted**

**For the heating chamber option, the heating water temperature must not exceed the working conditions for the reference classified area. Also, the water circulation pipe must be made of stainless steel or, if it is made of plastic, it must comply with the requirements of Directive 2014/34/EU for working in EPL Gb IIB and EPL Db IIIB classified areas**

**For the vapour barrier option, the steam temperature must not exceed the working conditions for the reference classified area. Also, the steam circulation pipe must be made of stainless steel or, if it is made of plastic, it must comply with the requirements of Directive 2014/34/EU for working in EPL Gb IIB and EPL Db IIIB classified areas**

## 8. Maintenance

### 8.1. GENERAL CONSIDERATION

The assembly and disassembly of the valves must only be carried out by qualified personnel, taking into account the need to adopt safe working conditions in potentially explosive atmospheres

If the head, positioner or external position detectors are not supplied with the valve, and the client wants them installed, the specifications of Directive 2014/34/EU ATEX must be met

### 8.2. MAINTENANCE

#### 8.2.3. Spare parts

*On requesting spare parts for a valve intended to work in a classified zone, it is necessary to explicitly indicate in the order that they are for valve operating in an ATEX zone, as well as the characteristics of said zone.*

*If the spare parts are not requested in this way, INOXPA shall not be responsible for the case that the valve may not operate with parts which are not suitable for the classified zone where is installed.*

### 8.3. CLEANING

Before beginning the disassembly and assembly work it should be taken into account the presence or possible formation of potentially explosive atmospheres

### 8.4. ASSEMBLY AND DISASSEMBLY INNOVA M

The assembly and disassembly of the valves must only be carried out by qualified personnel, taking into account the need to adopt safe working conditions in potentially explosive atmospheres

The stem and actuator support are connected to ensure electrical continuity, only for double effect actuator (DE)

### 8.5. ASSEMBLY AND DISASSEMBLY INNOVA L

The assembly and disassembly of the valves must only be carried out by qualified personnel, taking into account the need to adopt safe working conditions in potentially explosive atmospheres

The stem and actuator support are connected to ensure electrical continuity, only for double effect actuator (DE)

## 9. Technical Specifications

Temperature range. See section 5.3.

### **PNEUMATIC ACTUATOR GENERAL DATA**

**The pneumatic actuator cannot exceed, under any circumstances, the 12 cycles per minute to ensure that there is no significant increase in temperature.**

**In any case, in ongoing work it is not recommended to exceed the 2/3 cycles per minute to ensure a reasonable life of the seal.**