Instruction Manual

INNOVA Options

INNOVA valve options

Translation of the original instructions 10.240.30.16EN · (0) 2026/02

1. Contents

2. General information

2.1. INSTRUCTION MANUAL

This manual contains information on the options with which the INNOVA range valves can be supplied. The information in this manual must be complemented with the specific instruction manual for each valve.

Before using any valve, it is necessary to read the instructions carefully, familiarise yourself with the functioning and operation of the valve and strictly follow the instructions provided. These instructions must be kept in a permanent location close to the installation.

The information published in the instruction manual is based on updated data.

INOXPA reserves the right to modify this instruction manual without prior warning.

2.2. COMPLIANCE WITH THE INSTRUCTIONS

Failure to comply with these instructions may result in risk to workers, the environment, the equipment and the installations and could lead to the loss of the right to claim for damages.

Specifically, failure to comply with these instructions could result in the following risks:

- failure of important functions of the equipment and/or the plant,
- specific maintenance and repair procedure failures,
- threat of electrical, mechanical and chemical risks,
- endangerment of the environment due to the substances released.

2.3. WARRANTY

The warranty conditions are specified in the General Sales Terms and Conditions that have been delivered upon placing the order.

No modifications of any kind can be made to the equipment without having first consulted with the manufacturer.
Use original spare parts and accessories for your safety. The use of other parts will exempt the manufacturer from all liability.
Changes to the service terms and conditions may only be made with the prior, written authorisation of INOXPA.

Failure to comply with the indications set out in this manual implies improper use of the equipment, from a technical and personal safety point of view, and this exempts INOXPA from all liability in the event of accidents and/or damage to people and/or property. Any and all failures arising from incorrect handling of the equipment is also excluded from the warranty.

If you have any queries or require more comprehensive explanations about specific information (adjustments, assembly, disassembly, etc.), do not hesitate to contact us.

3. Safety

3.1. WARNING SYMBOLS

Danger for people in general and/or for the valve

ATTENTION Safety instruction to prevent damage to the equipment and/or to its functions

3.2. GENERAL SAFETY INSTRUCTIONS

Read the instruction manual carefully before installing the valve and activating it. If in doubt, contact INOXPA.

3.2.1. During installation

Always bear in mind the technical specifications.
Installation and use of the valve must always be in accordance with applicable health and safety regulations.
Before activating the valve, check it has been assembled correctly and that the shaft is perfectly aligned. Misalignment and/or excessive forces on the fastening of the valve may cause serious mechanical problems.

3.2.2. During operation

Always bear in mind the technical specifications.
NEVER exceed the specific limit values.
NEVER touch the valve and/or the pipes that are in contact with the liquid during operation. If working with hot products, there is a risk of burns.
The valve has parts with linear movement. Do not put hands or fingers in the valve closure area as this can cause serious injuries.

3.2.3. During maintenance

Always bear in mind the technical specifications.
NEVER dismount the valve until the pipes have been emptied. Bear in mind that the liquid in the pipe can be dangerous or very hot. For these situations, see the current regulations in each country.
Inside the actuator there is a spring with an applied load. To avoid any harm carrying out maintenance operations, follow the steps set out in this manual.
Do not leave loose parts on the floor.

4. Steam Barrier

4.1. DESCRIPTION

On top of the valve body there is a steam chamber that maintains a slightly higher pressure than that of the process. This positive pressure prevents the product of the process from escaping and, at the same time, prevents the entry of air or impurities into the system. Furthermore, the steam barrier keeps the shaft area permanently sterilised with clean steam.

This system is used in installations that work with toxic, corrosive, sterile or inflammable products, particularly in the pharmaceutical, biotechnological, chemical and food industries.

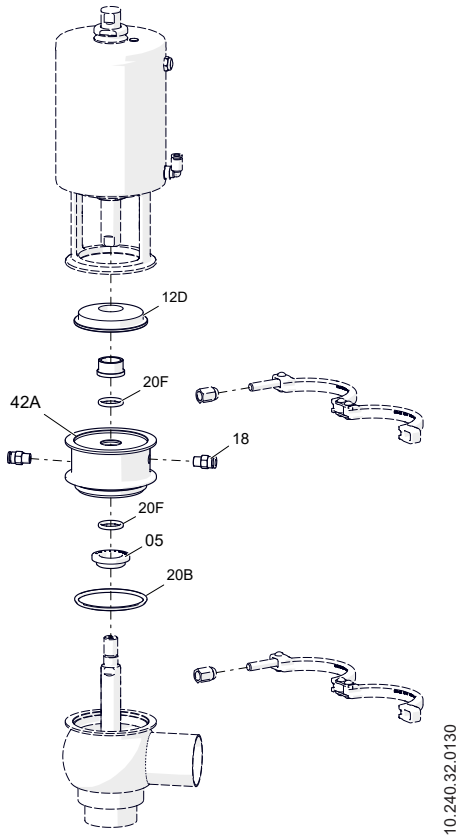
4.2. AVAILABILITY

The steam barrier option can be found in the INNOVA single seat valves: INNOVA N, INNOVA K, INNOVA M, INNOVA L, INNOVA J, INNOVA D, INNOVA G and INNOVA F.

4.3. TECHNICAL SPECIFICATIONS

Connections	G 1/8
Maximum steam temperature	130ºC
Material of the seals	EPDM

4.4. EXPLODED DRAWING AND PARTS LIST



Position	Description	Quantity	Material
05	shaft seal	1	EPDM
12D	superior body cap	1	1.4404 (AISI 316L)
18	air union	2	-
20B	O-ring seal[1]	1	EPDM
20F	O-ring seal[1]	2	EPDM
42A	steam barrier separator	1	1.4404 (AISI 316L)

1) Recommended spare parts

5. Dual Stop

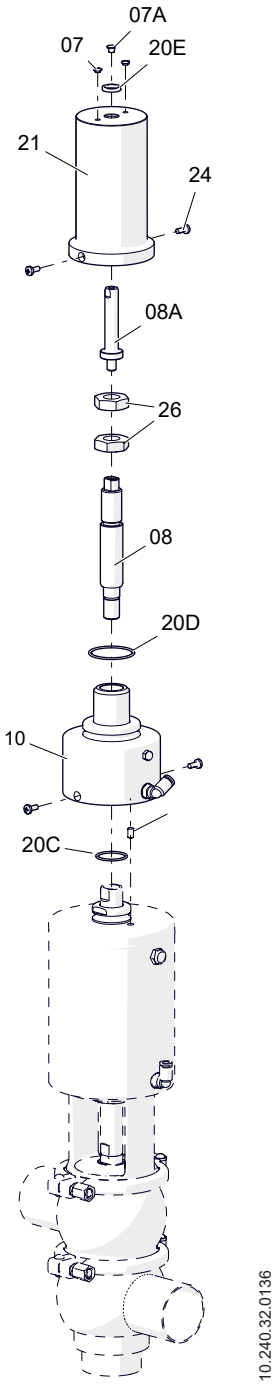
5.1. DESCRIPTION

The Dual Stop option allows a third open position of the valve to be limited and controlled. This third position, located between the open and closed position of the valve, is adjusted manually with a nut and a locknut.

5.2. AVAILABILITY

The Dual Stop option can be found on the single seat valves INNOVA N, INNOVA K, INNOVA M, INNOVA L and INNOVA F with a single-acting actuator and control unit with two solenoid valves.

5.3. EXPLODED DRAWING AND PARTS LIST



Position	Description	Quantity	Material
07	protection cap	2	plastic
07A	protection cap	1	plastic
08	shaft	1	1.4301 (AISI 304)
08A	C-TOP shaft	1	1.4301 (AISI 304)
10	actuator	1	1.4307 (AISI 304L)
20C	O-ring seal[1]	1	NBR
20D	O-ring seal[1]	1	EPDM
20E	O-ring seal[1]	1	NBR
21	protection support	1	1.4307 (AISI 304L)
24	bolt	2	A2
26	nuts	2	A2

1) Recommended spare parts

6. External position sensors

6.1. DESCRIPTION

The external position sensors enable precise identification of the open or close state of the valve.

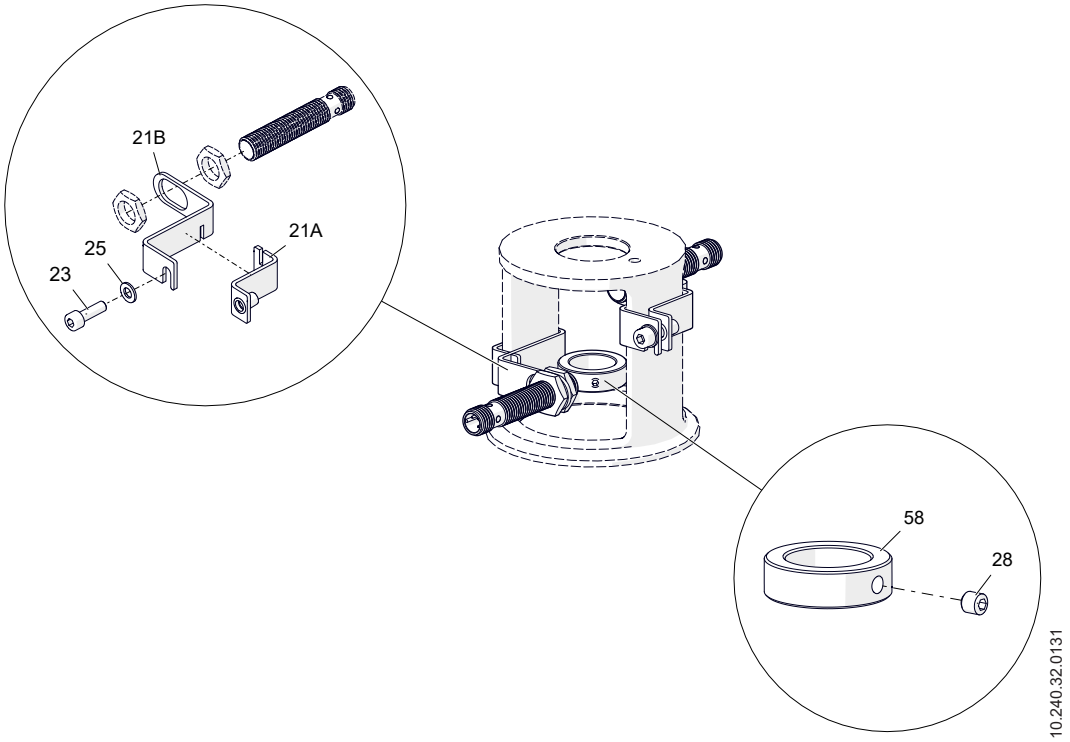
In single seat valves, the position sensors are directly installed on the valve lantern using a lateral thread. One or two sensors can be installed in each valve.

In double seat valves, a position sensor can be installed on the lantern to detect the opening of the superior CIP and/or other sensors on the valve actuator for the other valve positions.

6.2. AVAILABILITY

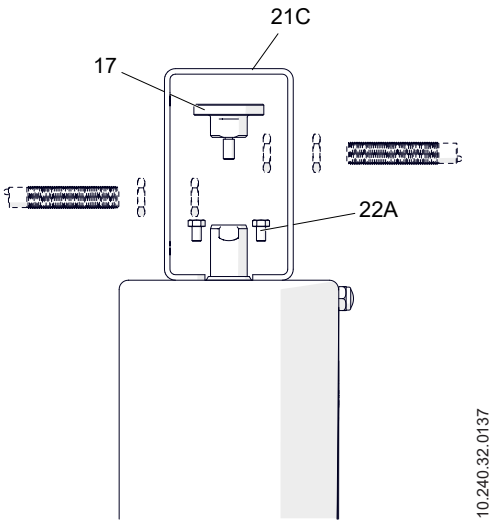
The position sensors option can be found in the single seat INNOVA valves: INNOVA N, INNOVA K, INNOVA M, INNOVA L, INNOVA J, INNOVA D and INNOVA F and in the double seat valves INNOVA P, INNOVA S, INNOVA T and INNOVA R.

6.3. SINGLE SEAT VALVE EXPLODED DRAWING AND PARTS LIST



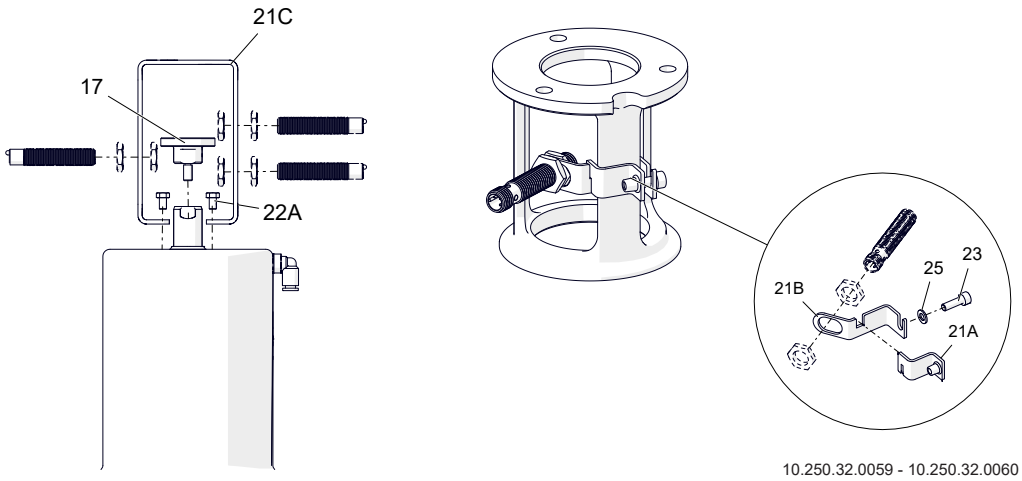
Position	Description	Quantity	Material
21A	exterior sensor support	2	1.4301 (AISI 304)
21B	interior sensor support	2	1.4301 (AISI 304)
23	Allen head bolts	2	1.4301 (AISI 304)
25	washer	2	A2
28	stud	1	1.4301 (AISI 304)
58	sensor ring	1	1.4301 (AISI 304)

6.4. INNOVA S VALVE EXPLODED DRAWING AND PARTS LIST



Position	Description	Quantity	Material
17	shaft ring	1	1.4301 (AISI 304)
21C	exterior sensor support	1	1.4301 (AISI 304)
22A	bolts	2	A2

6.5. INNOVA P and INNOVA T VALVE EXPLODED DRAWING AND PARTS LIST



Position	Description	Quantity	Material
17	shaft ring	1	1.4301 (AISI 304)
21A	exterior sensor support	2	1.4301 (AISI 304)
21B	interior sensor support	2	1.4301 (AISI 304)
21C	exterior sensor support	1	1.4301 (AISI 304)
22A	bolts	2	A2
23	Allen head bolts	1	A2
25	washer	2	A2

7. Body with Heating Jacket

7.1. DESCRIPTION

Bodies with heating jackets allow the fluid of a process to be maintained at a suitable temperature inside the vale using the circulation of a heating fluid inside the jackets surrounding the body. With these bodies, problems such as solidification of the product, increase in viscosity or condensation are prevented.

Likewise, they can also be used in certain applications to cool the fluid.

7.2. AVAILABILITY

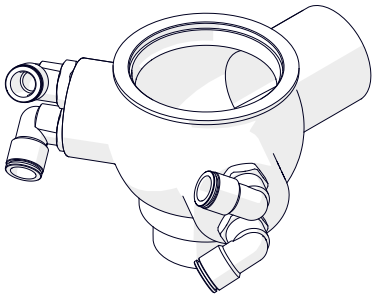
The bodies with heating jackets option can be found in the single seat valves INNOVA N, INNOVA K, INNOVA M, INNOVA L, INNOVA J, INNOVA D, INNOVA G and INNOVA F and double seat valves INNOVA P, INNOVA S, INNOVA T and INNOVA R.

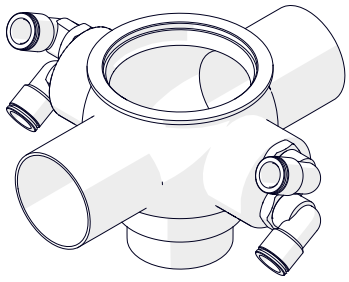
7.3. TECHNICAL SPECIFICATIONS

Maximum pressure in the heating jacket 3.5 bar

7.4. TYPES OF BODIES

Lower bodies:





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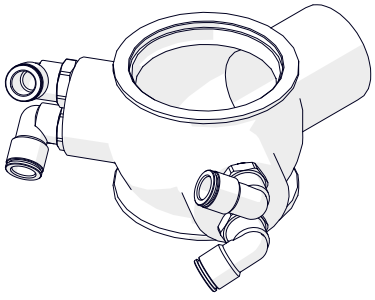
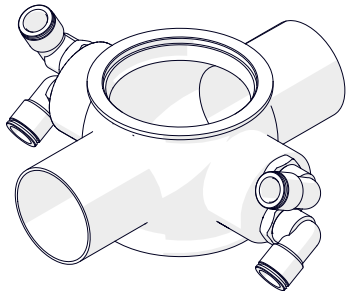
Intermediate bodies:





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NOTES

How to contact INOXPA S.A.U.:
The details for all countries are continually updated on our website.
Visit www.inoxpa.com to access the information.

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