

INSTALLATION, SERVICE AND MAINTENANCE INSTRUCTIONS

OVERFLOW VALVE

74700



10.207.32.0012



Original Instructions

10.207.30.07EN

(0) 2023/11

EC Declaration of Conformity



INOXPA S.A.U.

Telers, 60
17820 - Banyoles (Spain)

hereby declare under our sole responsibility that the

Machine:	VALVE
Model:	OVERFLOW VALVE
Type:	74700
Size:	DN 25 - DN 80 / OD 1" - OD 3"
Serial number:	IXXXXXXXXXX to IXXXXXXXXXX XXXXXXXXXXIINXXX to XXXXXXXXXXXIINXXX

fulfills all the relevant provisions of the following directive:

Machinery Directive 2006/42/EC
Pressure Equipment Directive 2014/68/EU¹
Regulation (EC) n° 1935/2004
Regulation (EC) n° 2023/2006

and with the following harmonized standards and/or regulations:

**EN ISO 12100:2010, EN ISO 14159:2008, EN 1672-2:2005+A1:2009,
EN 13732-1:2008, EN 12266-1:2012, EN 19:2016.**

The technical file has been prepared by the signer of this document.

A handwritten signature in black ink, appearing to read "DRB", written over a light gray rectangular background.

David Reyer Brunet
Technical Office Manager
15th April 2023



Document: 10.207.30.04EN

Revision: (A) 2023/04

¹DN≤25 Designed and manufactured in accordance with the sound engineering practice
DN>25 Class I equipment. Conformity assessment procedure used: Module A

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fulfils all the relevant provisions of these regulations:

**Supply of Machinery (Safety) Regulations 2008
Pressure Equipment (Safety) Regulations 2016¹**

and with the following designated standards:

**EN ISO 12100:2010, EN ISO 14159:2008, EN 1672-2:2005+A1:2009,
EN 13732-1:2008, EN 12266-1:2012, EN 19:2016.**

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2. Generalities

2.1. INSTRUCTIONS MANUAL

This manual contains information about the reception, installation, operation, assembly and maintenance of overflow valve 74700.

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

Not following the instructions may impose a risk for the operators, the environment and the machine, and may cause the loss of the right to claim damages.

This non-compliance may cause the following risks:

- failure of important machine/plant functions,
- failure of specific maintenance and repair procedures,
- possible electrical, mechanical and chemical hazards,
- risk to the environment due to the type of substances released.

2.3. WARRANTY

The conditions of the warranty are specified in the General Sales Condition that has been delivered at the time of placing your order.



The machine may not undergo any modification without prior approval from the manufacturer.

For your safety, only use original spare parts and accessories. The usage of other parts will relieve the manufacturer of any liability.

Changing the service conditions can only be carried out with prior written authorization from INOXPA.

The non-compliance of the prescribed indications in this manual means misuse of this gear on the technical side and the personal safety and this, exempt INOXPA of all responsibility in case of accidents and personal injuries and/or property damage. Also, excluded from the warranty all breakdowns caused by improper use of the gear.

Please do not hesitate to contact us in case of doubts or if further explanations are required regarding specific data (adjustments, assembly, disassembly, etc.).

3. Safety

3.1. WARNING SYMBOLS



Safety hazard for people in general and/or equipment

ATTENTION

Important instruction to prevent damage to the equipment and/or its function

3.2. GENERAL SAFETY INSTRUCTIONS



Read the instruction manual carefully before installing and starting the valve. Contact INOXPA in case of doubt.

3.2.1. During installation



Always take into account the [Technical Specifications of chapter 9](#).

The installation and use of the valve should always be in accordance with applicable regulations regarding health and safety.

Before starting up the valve, check that it is assembled correctly and its shaft is perfectly aligned. Incorrect alignment and/or excessive stress during coupling can cause serious mechanical problems in the valve.

3.2.2. During operation



Always take into account the [Technical Specifications of chapter 9](#).

NEVER exceed the specified limit values.

NEVER touch the valve and/or piping that is in contact with the fluid during operation. If the process involves hot products there is a risk of burns.

The valve contains parts that move in a linear fashion. Do not place hands or fingers in the valve closing area. This can cause serious injury.

3.2.3. During maintenance



Always take into account the [Technical Specifications of chapter 9](#).

NEVER disassemble or remove the valve until the pipes have been emptied. Bear in mind that the fluid in the pipe may be hazardous or extremely hot. Consult the regulations in effect in each country for these cases.

Release the spring tension before starting the disassembly of the valve.

Do not leave loose parts on the floor.

4. General Information

4.1. DESCRIPTION

The overflow valve 74700 is a valve with a sanitary design operated by springs. It protects the facilities from possible overpressures.

The valve is calibrated to a specific pressure by the pressure nut. This pressure is the safety maximum pressure to avoid damage to the facility. Under working standard conditions, the valve remains closed. If the circuit pressure exceeds the calibrated pressure, the valve is opened, allowing the flow to pass and reducing the pressure facility.

The valve can incorporate a handle designed to allow the valve remains partially open. Thus, during the CIP process, the cleaning products can pass through the valve.

4.2. APPLICATION

The overflow valve 74700 is a valve used to perform bypass as a relief measure to protect lines, pumps, accessories, tanks, etc. of the dairies, food, beverage, pharmaceutical or chemical industries.

5. Installation

5.1. RECEPTION OF THE VALVE



INOXPA is not liable for any deterioration of the material caused by its transport or unpacking.

When receipt the valve, check to see whether all the parts listed on the delivery slip are present:

- complete valve
- its components if any are supplied,
- quick installation guide or instruction manual.

INOXPA inspects all its equipment before packaging. However, it cannot guarantee that the merchandise arrives at the user intact.

When unpacking the valve:

- take all possible precautions against damage to the valve and its components,
- remove any possible traces of packaging from the valve or its parts,
- inspect the valve or the parts that comprise it for possible damage incurred during shipping.

5.2. TRANSPORT AND STORAGE



The buyer or user shall be liable for assembly, installation, start-up and operation of the valve.

Take all possible precautions when transport and storage the valve to avoid damage it and its components.

5.3. IDENTIFICATION OF THE VALVE

Each valve is inscribed with its fabrication number. Indicate de fabrication number on all documents to refer to the valve.

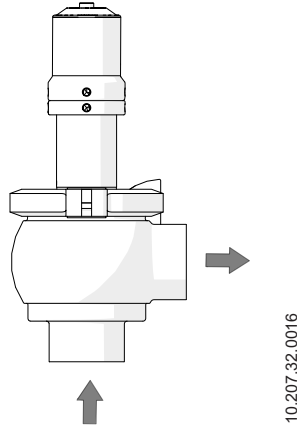
V74	0	0 - 00	06	52	050	06
						Tared
						03 0 - 300 kPa (0 - 3 bar)
						06 0 - 600 kPa (0 - 6 bar)
						10 0 - 1000 kPa (0 - 10 bar)
						Size
						025 DN 25, OD 1"
						032 DN 32
						040 DN 40
						045 OD 1½"
						050 DN 50, OD 2"
						063 OD 2½"
						065 DN 65
						076 OD 3"
						080 DN 80
						Seals
						52 EPDM
						70 PTFE/FPM
						78 FPM
						Material
						06 1.4404 (AISI 316L)
						Connection
						00 welded/welded
						10 male/welded
						11 male/male
						77 clamp/clamp
						Standard pipe
						0 DIN
						1 OD
						Type
						0 standard
						1 manual
						Product family
						V74 Overflow valve 74700

5.4. LOCATION

Place the valve leaving enough space around it to realise easily the disassembly, inspection and review of the valve even when the valve is operating. Consult in chapter 5.8. **Welding** the required minimum distances. The installation should allow that the removable parts are could remove easily.

5.5. DIRECTION OF FLOW

The overflow valve 74700 is designed to be installed according to the flow direction indicated in the following figure:

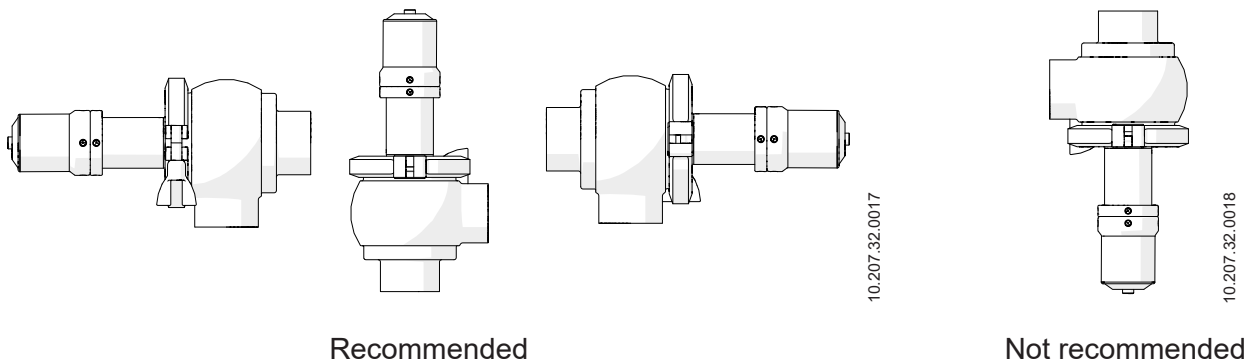


5.6. GENERAL INSTALLATION

After the location of the valve is defined, the valve can be joined to the pipe by welding the valve housing or using fittings.

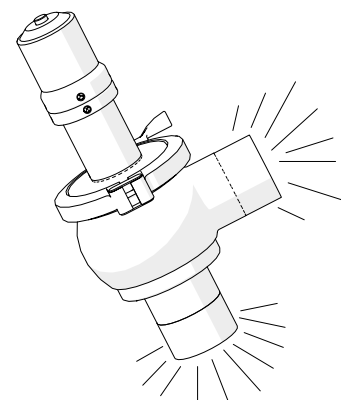
In case of joining the valve to the pipe by fittings do not forget the seals and tighten the unions properly.

The overflow valve can be installed in any position although fitting it upside down is not recommended.



During installation, the valve avoids using excessive force and pay special attention to:

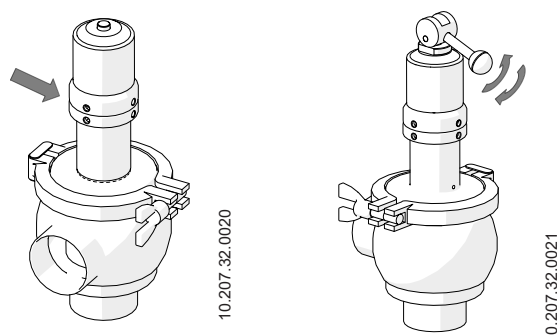
- vibrations that may be produced on the facility,
- thermal dilation that the pipe may undergo when hot fluids are circulating,
- the weight that the pipe can support,
- excessive welding current.



5.7. CHECKING AND REVIEW

Perform the following checks before using the valve:

- check that the clamp and the regulation nut are tightened enough,
- if the valve has a handle, turn it several times to check the correct opening of the valve seat.



5.8. WELDING

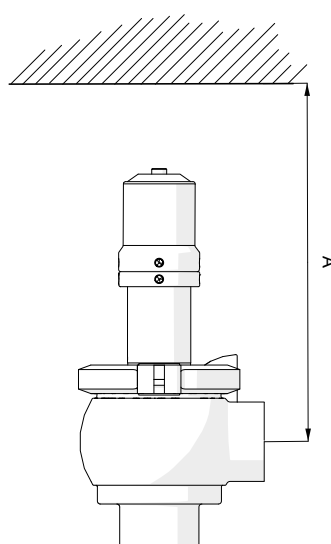


Welding work should only be done by qualified persons who are trained and equipped with the necessary equipment to perform this kind of work.

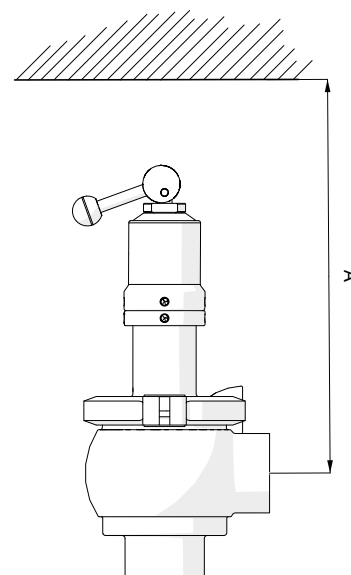
To perform the welding works:

- disassemble the valve as indicated in chapter 8.5. [Disassembly and assembly of the overflow valve 74700](#), 8.6. [Disassembly and assembly of the overflow valve 74700 with handle](#) and 8.7. [Disassembly and assembly of the overflow valve 74700 with PTFE seat seal](#).
- weld the valve body to the pipes maintaining the distance indicated in the following table, dimension A. This will allow for disassembly of the valve, doing the subsequent reviews and changing the necessary valve pieces like seals, bushings, etc.

DN	A (mm)	
	Standard	Manual
25 - 1"	250	325
32	260	335
40 - 1½"	275	345
50 - 2"	300	360
65 - 2½"	355	425
80 - 3"	380	445



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10.207.32.0023

- Mount the valve following the instructions indicated in chapter 8.5. [Disassembly and assembly of the overflow valve 74700](#), 8.6. [Disassembly and assembly of the overflow valve 74700 with handle](#) and 8.7. [Disassembly and assembly of the overflow valve 74700 with PTFE seat seal](#).

6. Start-up



Read carefully the instructions in chapter 5. [Installation](#) before start-up the valve.



Before start-up, the persons in charge must be duly informed about how the valve works and the safety instructions to follow. This instruction manual will be available to personnel at all times.

Before putting the valve into service the following must be taken into consideration:

- check that the piping and valve are completely free of possible traces of welding slag or other foreign particles. Clean the system if necessary,
- check that the valve moves smoothly. If necessary, lubricate it with special grease or soapy water,
- check for possible leaks, and make sure the pipes and their connections are sealed and do not have any leaks,
- in the case of the manual valve, actuate the valve.

ATTENTION



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



⚠ Burn hazard! Do not touch the valve or the pipes when hot fluids are circulating or when cleaning and/or sterilization are being carried out.

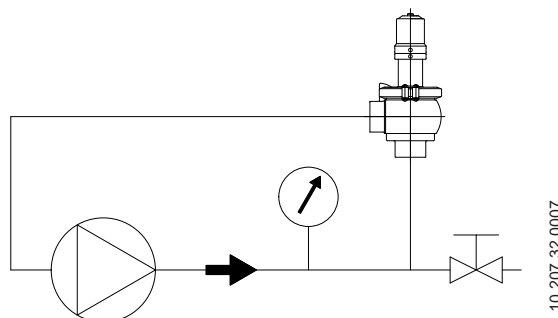
6.1. CALIBRATION OF THE VALVE

Upon request, the overflow valve is shipped calibrated from the factory.

The valve calibration is performed with a flow recirculation through a bypass-type mounting. To perform it, it is necessary to have a pump, a gauge, a shut-off valve and the overflow valve to tare and follow the next steps:

- operate the pump with the shut-off valve in closed position. Thus, the flow will do the recirculation going through the overflow valve,
- loosen the lock nut and tighten the top nut of the overflow valve until the gauge indicates the wished pressure in the overflow valve.

Once the valve is calibrated, it will open when the installation pressure exceeds the calibrated pressure. So, the flow will recirculate to prevent the installation damage.



7. Operating problems

Valve does not close	
Internal leak of product (valve closed)	
External leak of product	
Valve does not open/close	
PROBABLE CAUSES	SOLUTIONS
• Dirt and/or foreign body between the shaft sleeve and the valve body seat.	- Clean the body and the seat
• The springs are not applying pressure on the shaft stop washer.	- Increase the tightening torque of the springs
• The shaft sleeve seal is worn or defective	- Replace the seals
• Normal wear of the seals	- Replace the seals
• Premature wear of the seals	Sealing gasket worn or affected by the product
	Excessive pressure in the line
	Working temperature too high
	Loss of tightness (vibrations)
• Back pressure	- Replace the seals with others of different material and more adequate for the product - Tighten the loosening pieces - Clean frequently
• Body seal defective	- Change the spring with a stronger one
• Shaft seal defective	- Replace the seals with new ones
• Deformation of seat seal	- Replace the seat seal with another of different quality if it has deteriorated prematurely
• Spring in poor condition and/or jam for the dirt	- Replace or clean the spring and the shaft
• The valve does not open when the pressure increases	- Calibrated the valve

8. Maintenance

8.1. GENERAL CONSIDERATIONS

This valve, just like any other machine, requires maintenance. The instructions in this chapter cover the maintenance of the valve, the identification and replacement of the spare parts and the disassembly and assembly of the valve. The instructions are aimed at maintenance personnel and those responsible for the supply of spare parts.



Read carefully the chapter [9. Technical Specifications](#).

Maintenance work should only be done by qualified persons who are trained and equipped with the necessary equipment to perform this kind of work.

All replaced material should be duly disposed or recycled according to the directives in effect in each area.

Make sure that the pipes are not under pressure before starting maintenance work.

8.2. MAINTENANCE

To perform maintenance properly is recommended:

- periodic inspection of the valve and its components,
- keeping an operational record of each valve writing down any problems,
- always having spare replacement seals in stock.

Pay special attention to the hazard warnings indicated in this manual during the performance of the maintenance work.



The valve and the pipes must never be under pressure during maintenance.

⚠ Burn hazard! Do not touch the valve or the pipes when hot fluids are circulating or when cleaning and/or sterilization are being carried out.

The time interval between each preventive maintenance may vary in accordance with the work conditions to which the valve is subject: temperature, pressure, number of operations per day, type of cleaning solutions used, etc.

8.2.1. Maintenance of the seals

REPLACING SEAL	
Preventive maintenance	Replace after 12 months
Maintenance after a leak	Replace at the end of the process
Planned maintenance	Regularly check the absence of leaks and the smooth operation of the valve. Keep a record of the valve's maintenance. Use statistics for planning inspections.
Lubrication	During assembly, apply lubricants that are suitable with the material of which the seat seal is made. See the following table.

SEAL COMPONENT	LUBRICANT	NLGI DIN 51818 Class
FPM	klübersynth UH 1 64-2403	3
EPDM / FPM	PARALIQ GTE 703	3

8.2.2. Storage

The valves should be stored in a closed area under the following conditions:

- temperature between 15°C y 30°C,
- air humidity < 60%

Storage of the equipment in the open air is NOT allowed.

8.2.3. Spare parts

To request spare parts is necessary to indicate the type of valve, the size, the fabrication number, the position and the description of the part which can be found in chapter 9. [Technical Specifications](#).

8.3. CLEANING



The use of aggressive cleaning products such as caustic soda and nitric acid may burn the skin.

Wear rubber gloves during all cleaning procedures.

Always wear protective goggles.

8.3.1. CIP (clean-in-place) cleaning

If the valve is installed in a system with a CIP process its disassembly will not be required. EPDM is the standard seal material that will be used for CIP cleaning, both in alkaline mediums and in acid mediums. The material of the seal FPM is not recommended.

Two types of solutions can be used for CIP processes:

a. alkaline solution: 1% by weight of caustic soda (NaOH) a 70°C (150°F). To make this solution:

1 kg NaOH + 100 l H₂O¹ = cleaning solution

2,2 l NaOH al 33% + 100 l H₂O = cleaning solution

b. acid solution: 0,5% by weight of nitric acid (HNO₃) a 70°C (150°F). To make this solution:

0,7 l HNO₃ al 53% + 100 l H₂O = cleaning solution

1) only use chlorine-free water to mix with the cleaning agents

ATTENTION



Check the concentration of the cleaning solutions. An incorrect concentrations may lead to the deterioration of the valve seals.

To remove any traces of cleaning products, ALWAYS perform a final rinse with clean water at the end of the cleaning process.



Clean the entire interior and exterior of the valve before starting disassembly and assembly tasks.

8.3.2. Automatic SIP (sterilization-in-place)

Sterilization with steam is applied to all equipment including the pigging.

ATTENTION



Do NOT start the equipment during the sterilization with steam.

The parts and the materials will not be damaged if the indications specified in this manual are observed.

No cold fluid can enter the equipment until the temperature of the equipment is lower than 60°C (140°F).

Maximum conditions during the SIP process with steam or superheated water:

- a. maximum temperature: 140°C / 284°F
- b. maximum time: 30 min
- c. cooling: sterile air or inter gas
- d. materials: EPDM (the material FPM is not recommended)

8.4. DISASSEMBLY AND ASSEMBLY THE VALVE



Proceed with caution. Personal injury can occur.

⚠ Spring with an applied load! Although the valve is at rest, there is a danger of injury in case of loosening the clamp since the springs are tensioned, and they could throw parts of the valve abruptly.

Release the tension of the springs before loosening the clamp.

Valve assembly and disassembly should only be done by qualified persons.

The following tools are needed in order to disassembly and assembly the valve and the drives:

- an spanner wrench to lose the locknut.

8.5. DISASSEMBLY AND ASSEMBLY OF THE OVERFLOW VALVE 74700

8.5.1. Disassembly



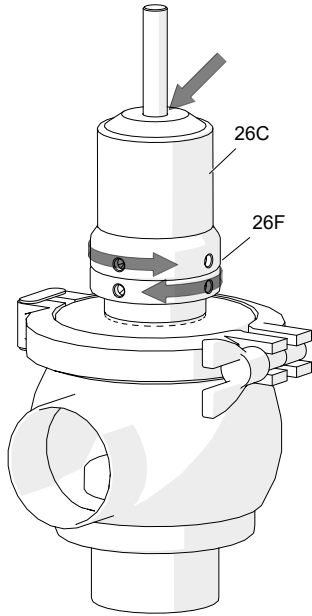
Release the tension of the springs before loosening the clamp.

1. If you want the same set value when you mount the valve, mark the part of the shaft (08) that projects the top nut (26C) to sign its position.
2. Lose the lock nut (26F).
3. Unscrew and disassemble the top nut of the valve (26C).
4. Remove the guide bushing (11) from the inside of the top nut (26C).
5. Unscrew and disassemble the lock nut (26F) of the valve.
6. Remove the clamp (34).
7. Remove the spring cover (12A). This will drag the spring washer (25) and the internal and external springs.
8. Remove the springs (06) and the spring washer (25) from the spring cover (12A).
9. Pull the shaft (08) upwards to separate from the valve body (01).
10. Remove the body cover (12) from the shaft (08).
11. Remove the shaft seal (05) and the O-ring (20B) from the body cover (12).
12. Remove the elastic ring (45) from the shaft sleeve (08A).
13. Remove the shaft sleeve (08A).
14. Remove the flat seal (19).

8.5.2. Assembly

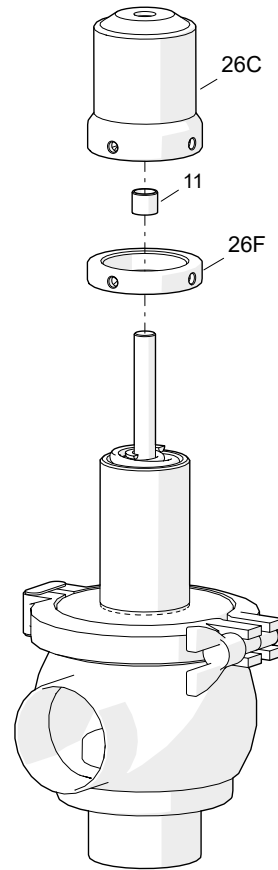
1. Place the flat seal (19) on the shaft (08).
2. Place the shaft sleeve (08A) on the shaft (08) situating it on top of the flat seal (19) and fix the assembly with the elastic ring (45).
3. Place the shaft (08) in the valve body (01).
4. Place the O-ring (20B) in the body cover (12).
5. Place the body cover (12) on the valve body (01) passing it over the shaft (08).
6. Place the shaft seal (05) in the body cover (12).
7. Place the spring cover (12A) on the body (01) and fix it with the clamp (34).
8. Place the spring washer (25) and the springs (06) in the spring cover (12A).
9. Thread the lock nut (26F) of the valve in the spring cover (12A).
10. Place the guide bushing (11) inside the top nut (26C).
11. Thread the top nut (26C) until the mark that you do on the disassembly process of the valve.
12. Thread the lock nut (26F) against the top nut (26C) to fix it.

1



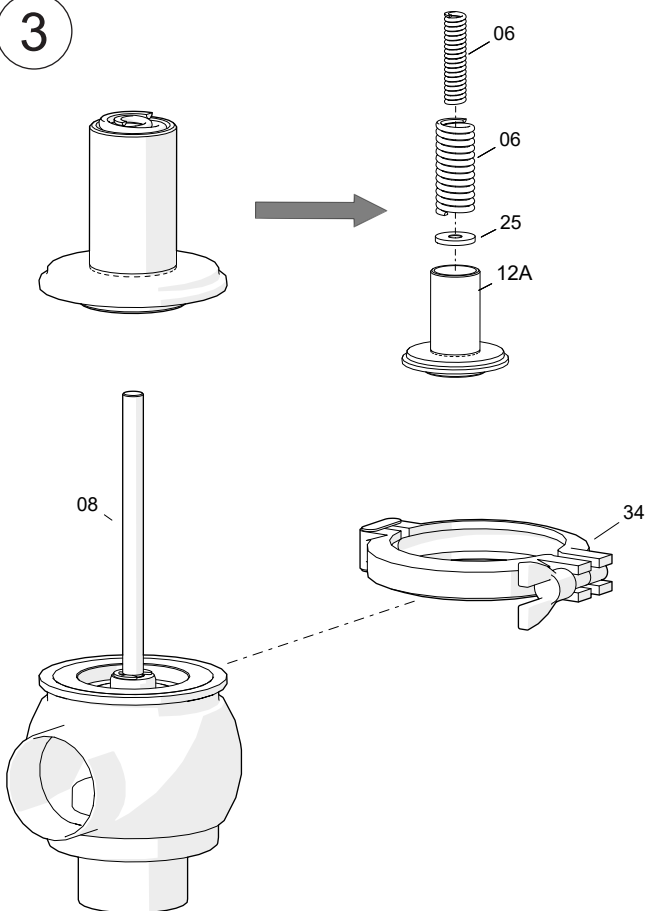
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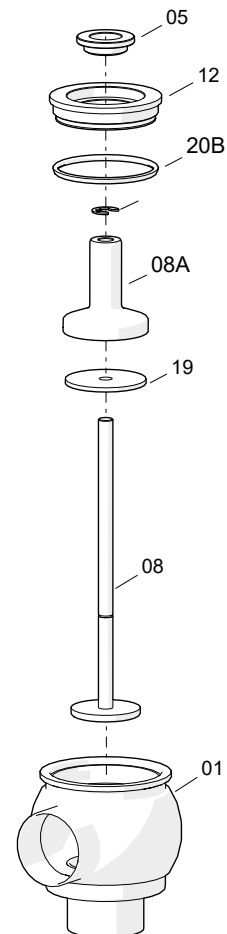
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8.6. DISASSEMBLY AND ASSEMBLY OF THE OVERFLOW VALVE 74700 WITH HANDLE

8.6.1. Disassembly



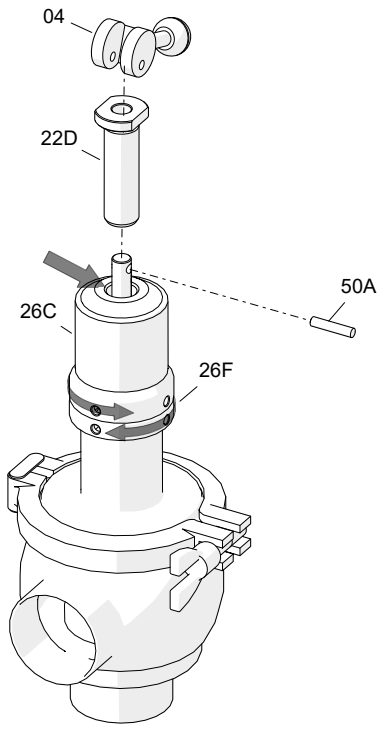
Release the tension of the springs before loosening the clamp.

1. Remove the pin (50A) from the handle (04).
2. Disassemble the handle (04) from the shaft (08).
3. If you want the same set value when you mount the valve, mark the part of the shaft (08) that projects the top nut (26C) to sign its position.
4. Disassemble the top screw (22D).
5. Lose the lock nut (26F).
6. Unscrew and disassemble the top nut (26C) of the valve.
7. Unscrew and disassemble the lock nut (26F) of the valve.
8. Remove the clamp (34).
9. Remove the spring cover (12A). This will drag the spring washer (25) and the spring (06).
10. Remove the springs (06) and the spring washer (25) from the spring cover (12A).
11. Pull the shaft (08) upwards to separate from the valve body (01).
12. Remove the body cover (12) from the shaft (08).
13. Remove the shaft seal (05) and the O-ring (20B) from the body cover (12).
14. Remove the elastic ring (45) from the shaft sleeve (08A).
15. Remove the shaft sleeve (08A).
16. Remove the flat seal (19).

8.6.2. Assembly

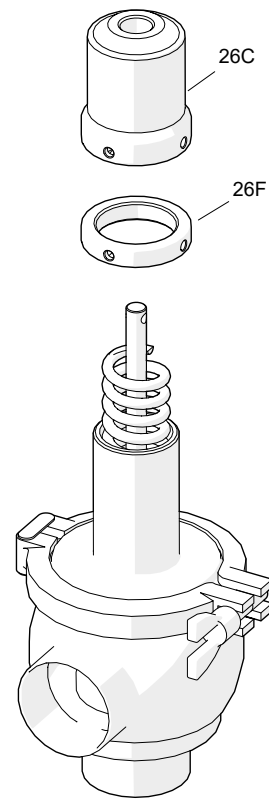
1. Place the flat seal (19) on the shaft (08).
2. Place the shaft sleeve (08A) on the shaft (08) situating it on top of the flat seal (19) and fix the assembly with the elastic ring (45).
3. Place the shaft (08) in the valve body (01).
4. Place the O-ring (20B) in the body cover (12).
5. Place the body cover (12) on the valve body (01) passing it over the shaft (08).
6. Place the shaft seal (05) in the body cover (12).
7. Place the spring cover (12A) on the body (01) and fix it with the clamp (34).
8. Place the spring washer (25) and the springs (06) in the spring cover (12A).
9. Thread the lock nut of the valve (26F) in the spring cover (12A).
10. Thread the top nut (26C) until the mark that you do on the disassembly process of the valve.
11. Thread the lock nut (26F) against the top nut (26C) to fix it.
12. Thread and adjust the top screw (22D) to ensure the opening of the valve by the handle.
13. Place the handle (04) on the shaft (08).
14. Place the pin (50A) to fix the handle (04) on the shaft (08).

1



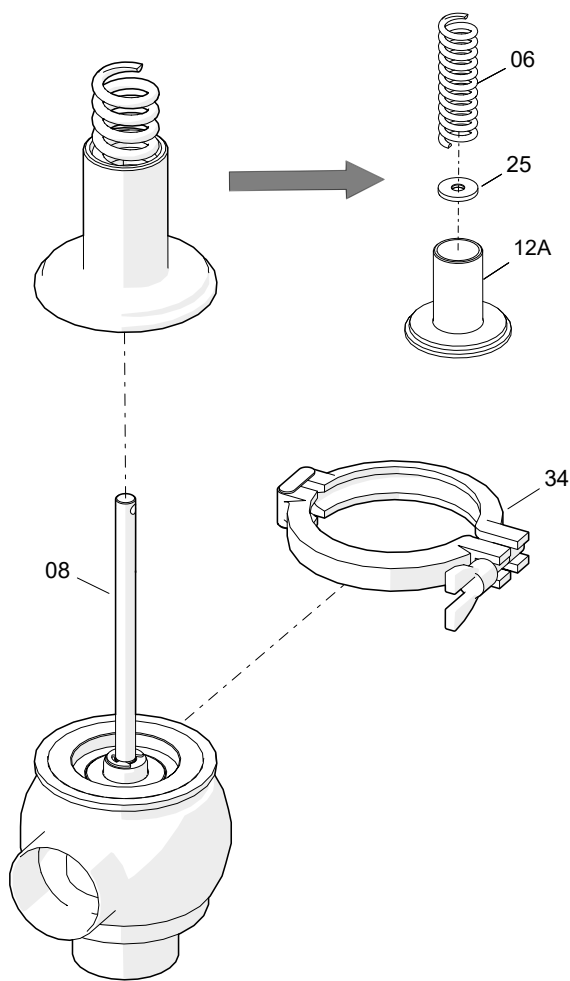
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2



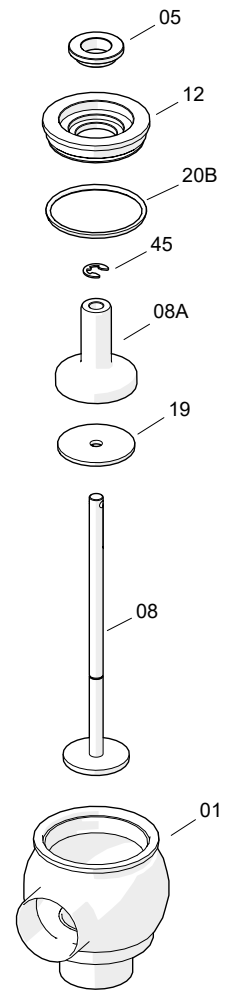
10.207.32.0029

3



10.207.32.0030

4



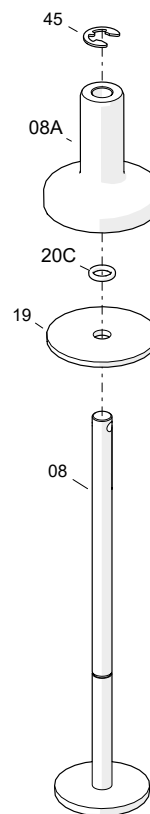
10.207.32.0031

8.7. DISASSEMBLY AND ASSEMBLY OF THE OVERFLOW VALVE 74700 WITH PTFE SEAT SEAL



Release the tension of the springs before loosening the clamp.

Follow the same steps of chapter 8.5. and 8.6. taking into account that in the case of valves with PTFE seat seals, the sleeve shaft carries an O-ring (20C) inside it.



10.207.32.0032

9. Technical Specifications

9.1. VALVE

Maximum working pressure	1000 kPa (10 bar)
Maximum working temperature	121°C (250°F) EPDM seals
Opening pressure (as spring) standard	0 - 300 kPa (0 - 3 bar) 0 - 600 kPa (0 - 6 bar) ¹
with handle	0 - 1000 (0 - 10 bar) 0 - 300 kPa (0 - 3 bar) 0 - 600 kPa (0 - 6 bar)

1) standard option

Maximum flow

DN	25	32	40	50	65	80
Maximum flow [m ³ /h]	10	12	15	20	35	55

OD	1"	1½"	2"	2½"	3"
Maximum flow [m ³ /h]	10	15	20	35	55

9.2. MATERIALS

Parts in contact with the product	1.4404 (AISI 316L)
Other steel parts	1.4307 (AISI 304L)
Seals in contact with the product	EPDM, FPM, PTFE/FPM
Internal surface finish	bright polish Ra ≤ 0,8 µm
External surface finish	matt

9.3. SIZES AVAILABLE

DIN EN 10357 serie A DN 25 - DN 80

(formerly DIN 11850 serie 2)

ASTM A269/270 OD 1" - OD 3"

(corresponds to OD pipe)

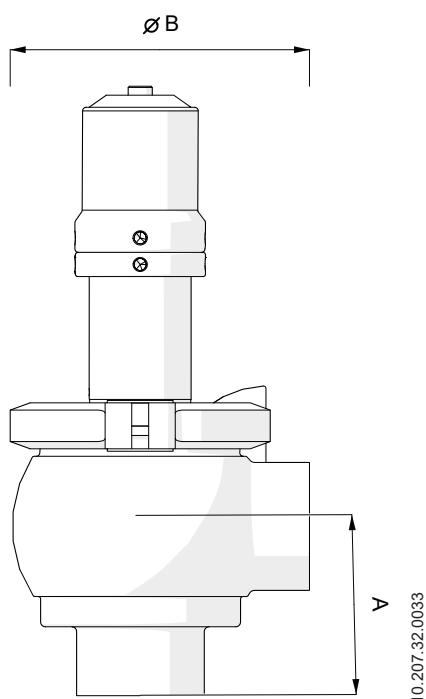
Connections weld, male, clamp

9.4. WEIGHTS OF OVERFLOW VALVE 74700

		WEIGHT (kg)	
DN		Standard valve ¹	Valve with handle
DIN	25	2,0	2,1
	32	2,1	2,2
	40	2,8	2,9
	50	3,8	3,9
	65	6,4	6,5
	80	8,6	8,8
OD	1"	2,0	2,1
	1½"	2,8	2,9
	2"	3,9	4,0
	2½"	6,3	6,4
	3"	8,6	8,7

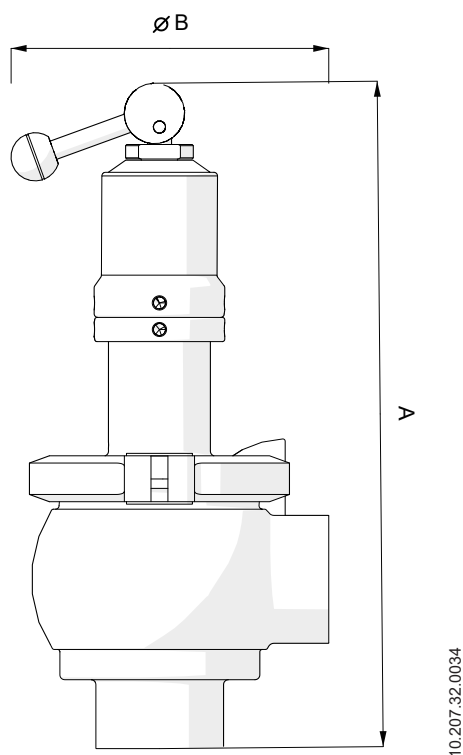
1) connection weld/weld

9.5. DIMENSIONS OF THE OVERFLOW VALVE 74700



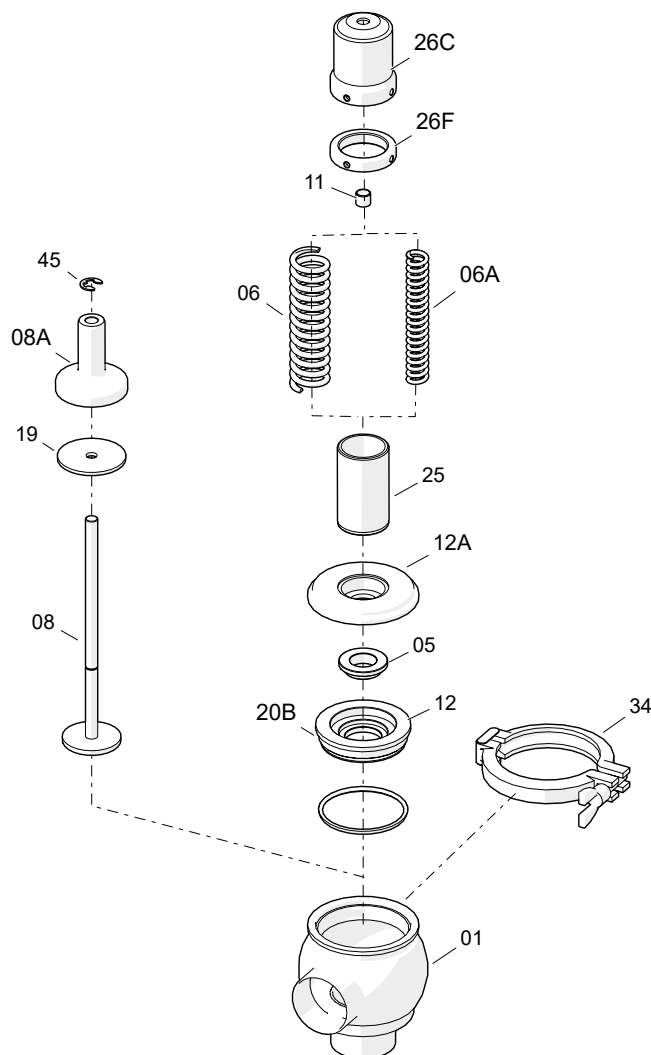
	DN	Dimensions	
		A	ØB
DIN	25	219	85
	32	226	92
	40	238	103
	50	252	123
	65	289	149
	80	302	170
OD	1"	219	85
	1½"	238	103
	2"	252	123
	2½"	289	149
	3"	302	170

9.6. DIMENSIONS OF THE OVERFLOW VALVE 74700 WITH HANDLE



	DN	Dimensions	
		A	ØB
DIN	25	243	85
	32	255	92
	40	262	103
	50	274	123
	65	317	149
	80	329	170
OD	1"	243	85
	1½"	262	103
	2"	274	123
	2½"	317	149
	3"	329	170

9.7. EXPLODED DRAWING AND PARTS LIST OF THE OVERFLOW VALVE 74700

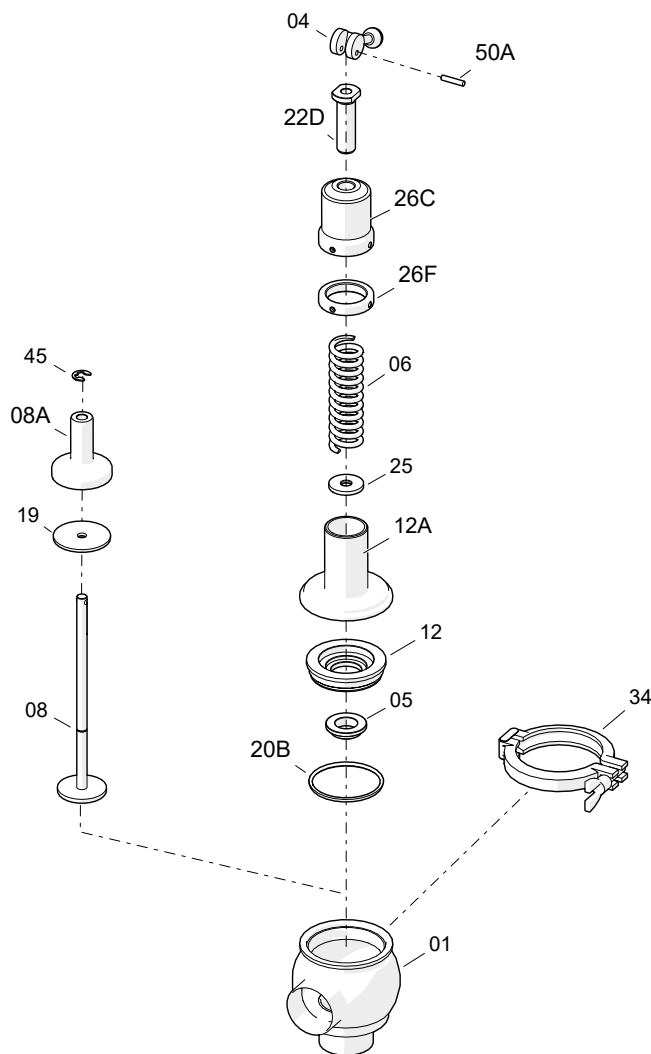


10.207.32.0035

Position	Description	Quantity	Material
01	body	1	1.4404 (AISI 316L)
05	shaft seal ¹	1	EPDM-FPM
06	external spring	1	1.4310 (AISI 302)
06A	internal spring	1	1.4310 (AISI 302)
08	shaft	1	1.4404 (AISI 316L)
08A	shaft sleeve	1	1.4404 (AISI 316L)
11	guide bushint ¹	1	Iglidur G
12	body cover	1	1.4404 (AISI 316L)
12A	spring cover	1	1.4307 (AISI 304L)
19	flat seal ¹	1	EPDM - FPM
20B	O-ring ¹	1	EPDM
25	spring washer	1	1.4037 (AISI 304L)
26C	top nut	1	1.4037 (AISI 304L)
26F	lock nut	1	1.4037 (AISI 304L)
34	clamp	1	1.4301 (AISI 304)
45	elastic ring	1	1.4021 (AISI 420)

1) recommended spare parts

9.8. EXPLODED DRAWING AND PARTS LIST OF THE OVERFLOW VALVE 74700 WITH HANDLE

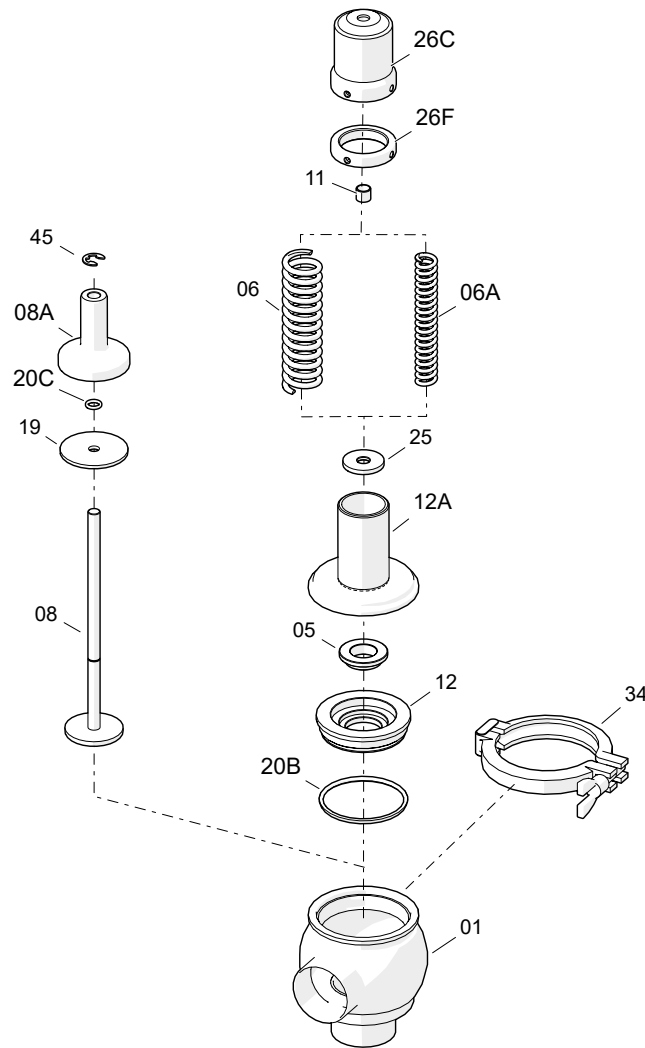


10.207.32.0036

Position	Description	Quantity	Material
01	body	1	1.4404 (AISI 316L)
04	handle		1.4307 (AISI 304L)
05	shaft seal ¹	1	EPDM-FPM
06	spring	1	1.4310 (AISI 302)
08	shaft	1	1.4404 (AISI 316L)
08A	shaft sleeve	1	1.4404 (AISI 316L)
12	body cover	1	1.4404 (AISI 316L)
12A	spring cover	1	1.4307 (AISI 304L)
19	flat seal ¹	1	EPDM - FPM
20B	O-ring ¹	1	EPDM
22D	top screw		bronze
25	spring washer	1	1.4037 (AISI 304L)
26C	top nut	1	1.4037 (AISI 304L)
26F	lock nut	1	1.4037 (AISI 304L)
34	clamp	1	1.4301 (AISI 304)
45	elastic ring	1	1.4021 (AISI 420)
50A	pin	1	A2

1) recommended spare parts

9.9. EXPLODED DRAWING AND PARTS LIST OF THE OVERFLOW VALVE 74700 PTFE SEAT SEAL

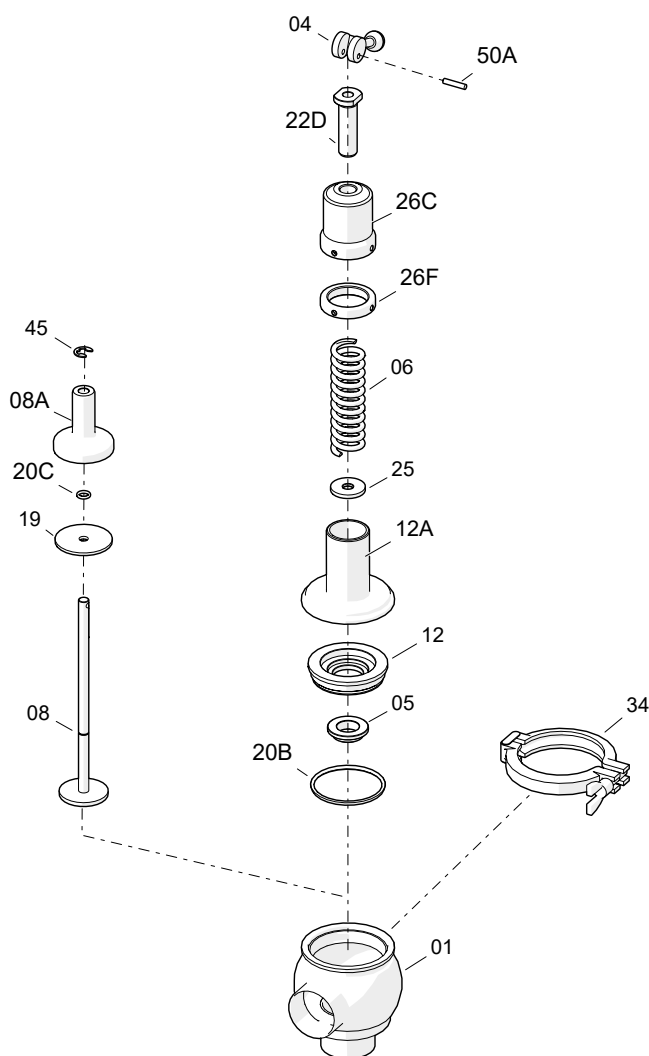


10.207.32.0037

Position	Description	Quantity	Material
01	body	1	1.4404 (AISI 316L)
05	shaft seal ¹	1	FPM
06	external spring	1	1.4310 (AISI 302)
06A	internal spring	1	1.4310 (AISI 302)
08	shaft	1	1.4404 (AISI 316L)
08A	shaft sleeve	1	1.4404 (AISI 316L)
11	guide bushing ¹	1	Iglidur G
12	body cover	1	1.4404 (AISI 316L)
12A	spring cover	1	1.4307 (AISI 304L)
19	flat seal ¹	1	PTFE
20B	O-ring ¹	1	FPM
20C	O-ring ¹	1	FPM
25	spring washer	1	1.4037 (AISI 304L)
26C	top nut	1	1.4037 (AISI 304L)
26F	lock nut	1	1.4037 (AISI 304L)
34	clamp	1	1.4301 (AISI 304)
45	elastic ring	1	1.4021 (AISI 420)

1) recommended spare parts

9.10. EXPLODED DRAWING AND PARTS LIST OF THE OVERFLOW VALVE 74700 WITH HANDLE AND PTFE SEAT SEAL



10.207.32.0038

Position	Description	Quantity	Material
01	body	1	1.4404 (AISI 316L)
04	handle	1	1.4307 (AISI 304L)
05	shaft seal ¹	1	FPM
06	spring	1	1.4310 (AISI 302)
08	shaft	1	1.4404 (AISI 316L)
08A	shaft sleeve	1	1.4404 (AISI 316L)
12	body cover	1	1.4404 (AISI 316L)
12A	spring cover	1	1.4307 (AISI 304L)
19	flat seal ¹	1	PTFE
20B	O-ring ¹	1	FPM
20C	O-ring ¹	1	FPM
22D	top screw		bronze
25	spring washer	1	1.4037 (AISI 304L)
26C	top nut	1	1.4037 (AISI 304L)
26F	lock nut	1	1.4037 (AISI 304L)
34	clamp	1	1.4301 (AISI 304)
45	elastic ring	1	1.4021 (AISI 420)
50A	ping	1	A2

1) recommended spare parts

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