

## GEMÜ B27

Manually operated 3/2-way ball valve

EN

### Operating instructions



further information  
webcode: GW-B27



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## 1 General information

### 1.1 Information

- The descriptions and instructions apply to the standard versions. For special versions not described in this document the basic information contained herein applies in combination with any additional special documentation.
- Correct installation, operation, maintenance and repair work ensure faultless operation of the product.
- Should there be any doubts or misunderstandings, the German version is the authoritative document.
- Contact us at the address on the last page for staff training information.

### 1.2 Symbols used

The following symbols are used in this document:

Symbol	Meaning
●	Tasks to be performed
▶	Response(s) to tasks
-	Lists

### 1.3 Definition of terms

#### Working medium

The medium that flows through the GEMÜ product.

#### Control function

The possible actuation functions of the GEMÜ product.

### 1.4 Warning notes

Wherever possible, warning notes are organized according to the following scheme:

SIGNAL WORD	
Possible symbol for the specific danger	Type and source of the danger ▶ Possible consequences in case of non-compliance ● Measures for avoiding danger

Warning notes are always labelled with a signal word and sometimes also with a symbol for the specific danger.

The following signal words and danger levels are used:

 <b>DANGER</b>	
	<b>Imminent danger!</b> ▶ Non-observance can cause death or severe injury
 <b>WARNING</b>	
	<b>Potentially dangerous situation!</b> ▶ Non-observance can cause death or severe injury

 <b>CAUTION</b>	
	<b>Potentially dangerous situation!</b> ▶ Non-observance can cause moderate to light injury

<b>NOTICE</b>	
	<b>Potentially dangerous situation!</b> ▶ Non-observance can cause damage to property

The following symbols for the specific dangers can be used within a warning note:

Symbol	Meaning
	Risk of crushing due to moving parts when the valve is not installed!
	The equipment is subject to pressure!
	Corrosive chemicals!
	Falling product!
	Hot plant components!
	Maximum permissible pressure exceeded!
	Leakage!

## 2 Safety information

The safety information in this document refers only to an individual product. Potentially dangerous conditions can arise in combination with other plant components, which need to be considered on the basis of a risk analysis. The operator is responsible for the production of the risk analysis and for compliance with the resulting precautionary measures and regional safety regulations.

The document contains fundamental safety information that must be observed during commissioning, operation and maintenance. Non-compliance with these instructions may cause:

- Personal hazard due to electrical, mechanical and chemical effects
- Hazard to nearby equipment
- Failure of important functions
- Hazard to the environment due to the leakage of dangerous materials

The safety information does not take into account:

- Unexpected incidents and events, which may occur during installation, operation and maintenance
- Local safety regulations which must be adhered to by the operator and by any additional installation personnel

### Prior to commissioning:

1. Transport and store the product correctly.
2. Do not paint the bolts and plastic parts of the product.
3. Carry out installation and commissioning using trained personnel.
4. Provide adequate training for installation and operating personnel.
5. Ensure that the contents of the document have been fully understood by the responsible personnel.
6. Define the areas of responsibility.
7. Observe the safety data sheets.
8. Observe the safety regulations for the media used.

### During operation:

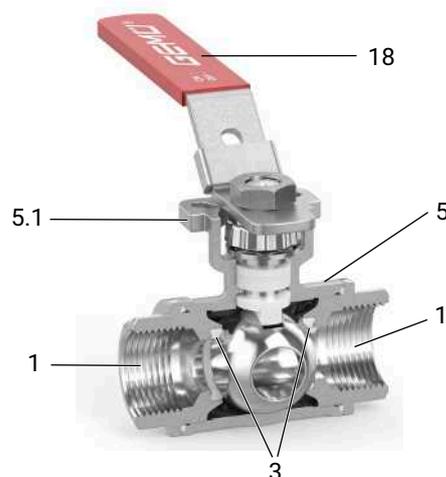
9. Keep this document available at the place of use.
10. Observe the safety information.
11. Operate the product in accordance with this document.
12. Operate the product in accordance with the specifications.
13. Maintain the product correctly.
14. Do not carry out any maintenance work and repairs not described in this document without consulting the manufacturer first.

### In cases of uncertainty:

15. Consult the nearest GEMÜ sales office.

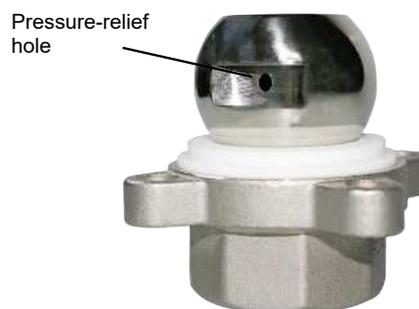
## 3 Product description

### 3.1 Construction



Item	Name	Materials
5	Ball valve body	1.4408 / CF8M
1	Pipe connections	1.4408 / CF8M
5.1	Mounting flange ISO 5211	1.4408 / CF8M
18	Hand lever	304
3	Seal	PTFE

### 3.2 Pressure-relief hole



### 3.3 Description

The GEMÜ B27 3/2-way metal ball valve is manually operated. It has a plastic sleeved hand lever with a locking device. The seat seal is made of PTFE.

### 3.4 Function

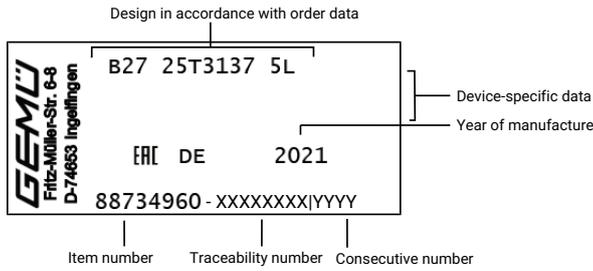
The product is made of metal and is equipped with a plastic sleeved hand lever and a stainless steel top flange.

The product can be continuously opened or closed.

The product can be secured in the end positions ("fully open" and "fully closed") with a suitable lock (e.g. padlock). This lock is not included in the scope of delivery.

### 3.5 Product label

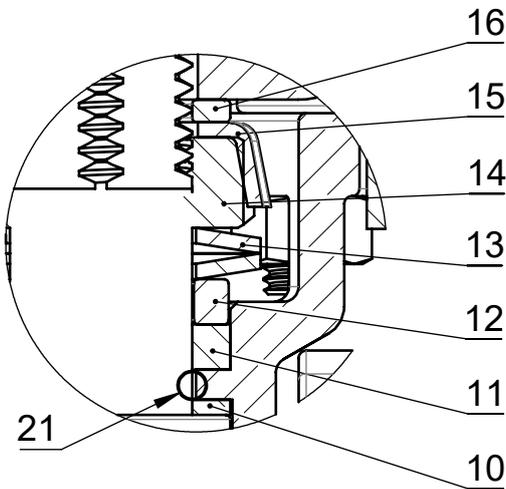
The product label is located on the actuator. Product label data (example):



The month of manufacture is encoded in the traceability number and can be obtained from GEMÜ. The product was manufactured in Germany.

The operating pressure stated on the product label applies to a media temperature of 20 °C. The product can be used up to the maximum stated media temperature. You can find the pressure/temperature correlation in the technical data.

**4 The spindle seal system**



Item	Name	Material
10	Seal	PTFE
11	V-ring	PTFE
12	Stainless steel sleeve	SS304-1.4301
13	Spring washer	SS304-1.4301
14	Spindle nut	A2 70
15	Cap	SS304-1.4301
16	Washer	SS304-1.4301
21	O-ring (spindle seal)	FKM

**Long service life due to triple spindle seal**

**- Conical spindle seal:**

The seal 10 arranged at an angle of 45° effectively prevents the leakage of media when operating the spindle

**- O-ring:**

Stabilising spindle seal 21 with low wear and long service life

**- Pretensioned self-adjusting spindle seal:**

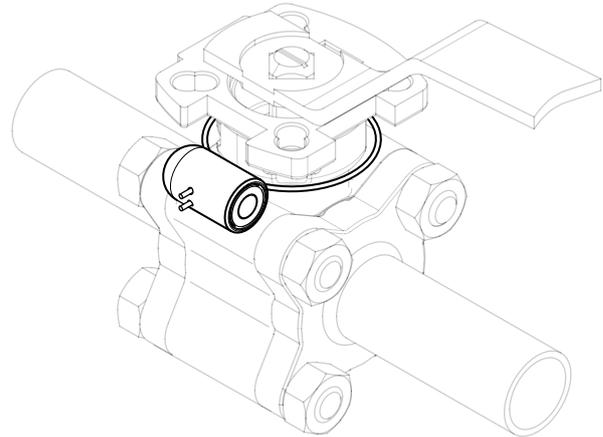
The spindle packing consists of several V-rings 11, a spring washer 13 and a stainless steel sleeve 12. The spring washer 13 is pretensioned via the spindle nut 14. The pretension force is distributed to the V-rings 11 via the stainless steel

sleeve 12, thereby preventing the leakage of media. The pretension provides low maintenance and reliable spindle sealing even after a long service life.

**5 GEMÜ CONEXO**

**Installing the RFID chip**

In the corresponding design with CONEXO, this product has an RFID chip for electronic identification purposes. The position of the RFID chip can be seen below.



## 6 Correct use

Ball valves are used to isolate media flows.

Only clean, liquid or gaseous media must be used, and the body and seal materials used must be resistant to and suitable for this. Contaminated media and / or applications outside of the pressure and temperature data may lead to damage to the body and, in particular, to the seals on the ball valve.

The "Technical data" chapter describes the permissible pressure / temperature range for these ball valves.

### WARNING

#### Improper use of the product!

- ▶ Risk of severe injury or death
- ▶ Manufacturer liability and guarantee will be void.
- Only use the product in accordance with the operating conditions specified in the contract documentation and in this document.

### NOTICE

#### Explosion protection (ATEX)

- ▶ The product is free from potential ignition sources and does not fall under the ATEX Directive 2014/34/EU. It is suitable for use in potentially explosive areas. See the manufacturer's declaration.

The product is designed for installation in piping systems and for controlling a working medium.

- Use the product in accordance with the technical data.

Due to the design, in the open and closed position, a low volume of medium may be trapped within the ball or between the ball and the body.

Expansion of the medium due to temperature differences, change in state or a chemical response may lead to a high pressure build-up. In order to prevent unacceptable pressure increases, a special version with pressure-relief hole in the ball is available on request for this case.

### NOTICE

#### Build-up of lint!

- ▶ For soft-seated ball valves, due to the relative rotations of the stainless steel ball to the seat seal, slight wear of the PTFE seals must always be anticipated. Despite this, the safety of the ball valve is not affected by any potential build-up of lint and the seal materials are compliant in accordance with FDA directives.

## 7 Order data

The order data provide an overview of standard configurations.

Please check the availability before ordering. Other configurations available on request.

Products ordered with **bold marked ordering options** are so-called preferred series. Depending on the nominal size, these are available more quickly.

### Order codes

1 Type	Code
Ball valve, metal, manually operated, multi-port, thread, ISO 5211, top flange, lockable hand lever, low-maintenance spindle seal and blow-out proof shaft, with antistatic unit	B27

2 DN	Code
DN 8	8
DN 10	10
DN 15	15
DN 20	20
DN 25	25
DN 32	32
DN 40	40
DN 50	50

3 Body/ball configuration	Code
Multi-port design, T-port, end position "Open", connection 1 and 3 open, T-port, end position "Closed", connection 1 and 2 open (for port position, see datasheet)	2
Multi-port design, T-port, end position "Open", connection 1 and 2 open, T-port, end position "Closed", connection 2 and 3 open (for port position, see datasheet)	3
Multi-port design, T-port, end position "Open", connection 2 and 3 open, T-port, end position "Closed", connection 1, 2 and 3 open (for port position, see datasheet)	4
Multi-port design, L-port, end position "Open", connection 1 and 3 open, L-port, end position "Closed", connection 1 open (for port position, see datasheet)	6
<b>Multi-port design, L-port, standard end position "Open", connection 2 and 3 open, L-port, standard end position "Closed", connection 1 and 3 open (for port position, see datasheet)</b>	<b>L</b>
<b>Multi-port design, T-port, standard end position "Open", connection 1, 2 and 3 open, T-port, standard end position "Closed", connection 1 and 3 open (for port position, see datasheet)</b>	<b>T</b>

4 Connection type	Code
<b>Threaded socket DIN ISO 228</b>	<b>1</b>
NPT female thread	31

5 Ball valve material	Code
<b>1.4408/CF8M (body, connection), 1.4401/SS316 (ball, shaft)</b>	<b>37</b>

6 Seal material	Code
<b>PTFE</b>	<b>5</b>
<b>FKM O-ring</b>	

7 Control function	Code
Manually operated, toggle, lockable	L

8 Type of design	Code
Standard	
Thermal separation between actuator and valve body by mounting kit, mounting kit and mounting parts in stainless steel	5227
K-no. 5227, K-no. 7056, 5227 – thermal separation by mounting kit, 7056 – drilled shaft, shortened toggle	5237
Shortened toggle for construction of feedback units. Shaft face drilled for mounting kit: DN8-DN20 M5 x 12.5/depth of thread 9.0 mm, DN25-DN100 M6 x 15/depth of thread 10.0 mm	7056

9 Special version	Code
Without	
Special version for oxygen Maximum temperature for medium: 100 °C, Operating pressure limited in accordance with product label data Media-wetted materials cleaned, and grease and seal tested in accordance with DIN EN 1797/ISO 21010	O
Explosion protection	X

10 CONEXO	Code
Without	
Integrated RFID chip for electronic identification and traceability	C

**Order example**

Ordering option	Code	Description
1 Type	B27	Ball valve, metal, manually operated, multi-port, thread, ISO 5211, top flange, lockable hand lever, low-maintenance spindle seal and blow-out proof shaft, with antistatic unit
2 DN	15	DN 15
3 Body/ball configuration	T	Multi-port design, T-port, standard end position "Open", connection 1, 2 and 3 open, T-port, standard end position "Closed", connection 1 and 3 open (for port position, see datasheet)
4 Connection type	1	Threaded socket DIN ISO 228
5 Ball valve material	37	1.4408/CF8M (body, connection), 1.4401/SS316 (ball, shaft)
6 Seal material	5	PTFE FKM O-ring
7 Control function	L	Manually operated, toggle, lockable
8 Type of design		Standard
9 Special version		Without
10 CONEXO	C	Integrated RFID chip for electronic identification and traceability

**8 Technical data**

**8.1 Medium**

**Working medium:** Corrosive, inert, gaseous and liquid media and steam which have no negative impact on the physical and chemical properties of the body and seal material.  
 For special version for oxygen (code O): Only gaseous oxygen.

**8.2 Temperature**

**Media temperature:** -40 – 180 °C  
 For media temperatures > 100 °C , we recommend using a mounting kit with adapter between the ball valve and the actuator.  
 For the medium gaseous oxygen (special version code O): Media temperature max. 100 °C.

**Ambient temperature:** -40 – 60 °C

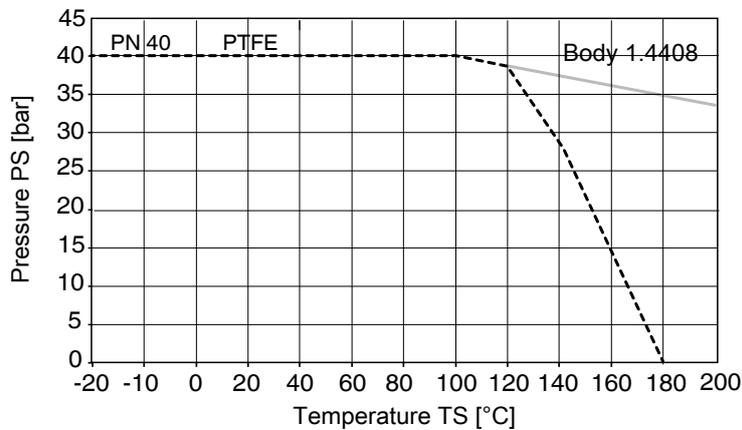
**Storage temperature:** 0 – 40 °C

**8.3 Pressure**

**Operating pressure:** 0 – 40 bar  
 For the medium gaseous oxygen (special version code O): Operating pressure limited in accordance with product label data.

**Vacuum:** Can be used up to a vacuum of 50 mbar (absolute)  
 These values apply to room temperature and air. The values may deviate for other media and other temperatures.

**Pressure/temperature diagram:**



Observe the media temperature

Pressure/temperature data in accordance with diagram refers to static operating conditions. Strongly fluctuating or fast-changing parameters can lead to a reduction of the service life. Special applications must be talked through with your technical contact person in advance.

**Leakage rate:** Leakage rate according to ANSI FCI70 – B16.104  
 Leakage rate according to EN12266, 6 bar air, leakage rate A

**Kv values:**

DN	NPS	Kv value	
		T-port	L-port
8	1/4"	8.8	6.0
10	3/8"	8.8	6.0
15	1/2"	8.8	6.0
20	3/4"	11.5	7.0
25	1"	16.5	9.7
32	1¼"	29.6	19.0
40	1½"	46.4	35.3
50	2"	71.5	45.7

Kv values in m<sup>3</sup>/h**8.4 Product conformity**

**Pressure Equipment Directive:** 2014/68/EU

**Oxygen:** Testing of the seal material based on DIN EN 1797 and ISO 21010:2017 (special version code O)

**8.5 Mechanical data****Torques:**

DN	NPS	Torques
8	1/4"	8.0
10	3/8"	8.0
15	1/2"	10.0
20	3/4"	13.0
25	1"	19.0
32	1¼"	29.0
40	1½"	51.0
50	2"	62.0

Torques in Nm

A safety factor of 1.2 is included

With dry, non-lubricating media the breakaway torque may be increased.

Valid for clean, non-particulate and oil-free media (water, alcohol, etc.), gas or saturated steam (clean and wet).

PTFE seal.

**Weight:****Body**

DN	NPS	Weight
8	1/4"	0.55
10	3/8"	0.55
15	1/2"	0.55
20	3/4"	0.85
25	1"	1.20
32	1¼"	2.20
40	1½"	3.40
50	2"	4.63

Weights in kg

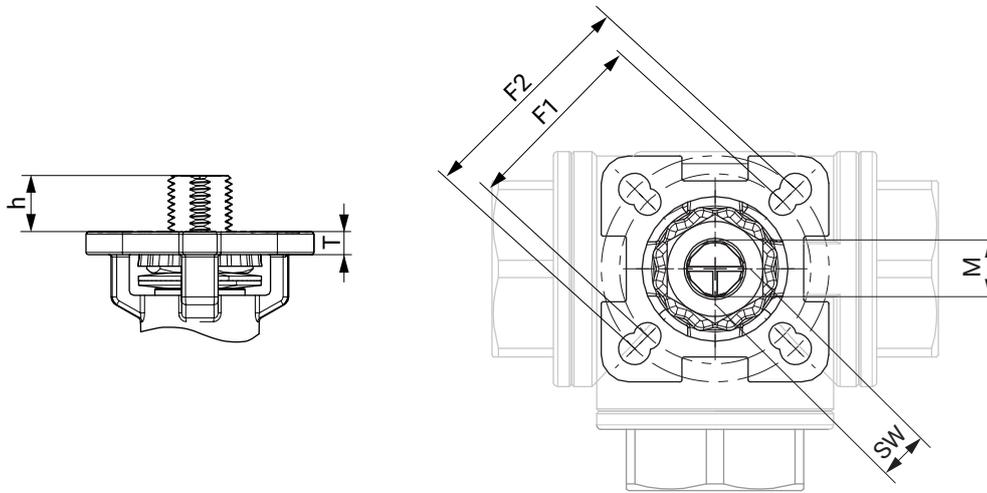
**Weight:****Hand lever**

DN	Designation	Weight
<b>DN 8 - 20</b>	AB26 20D	0.122
<b>DN 25 - 32</b>	AB26 32D	0.165
<b>DN 40 - 50</b>	AB26 50D	0.398

Weights in kg

## 9 Dimensions

### 9.1 Actuator flange

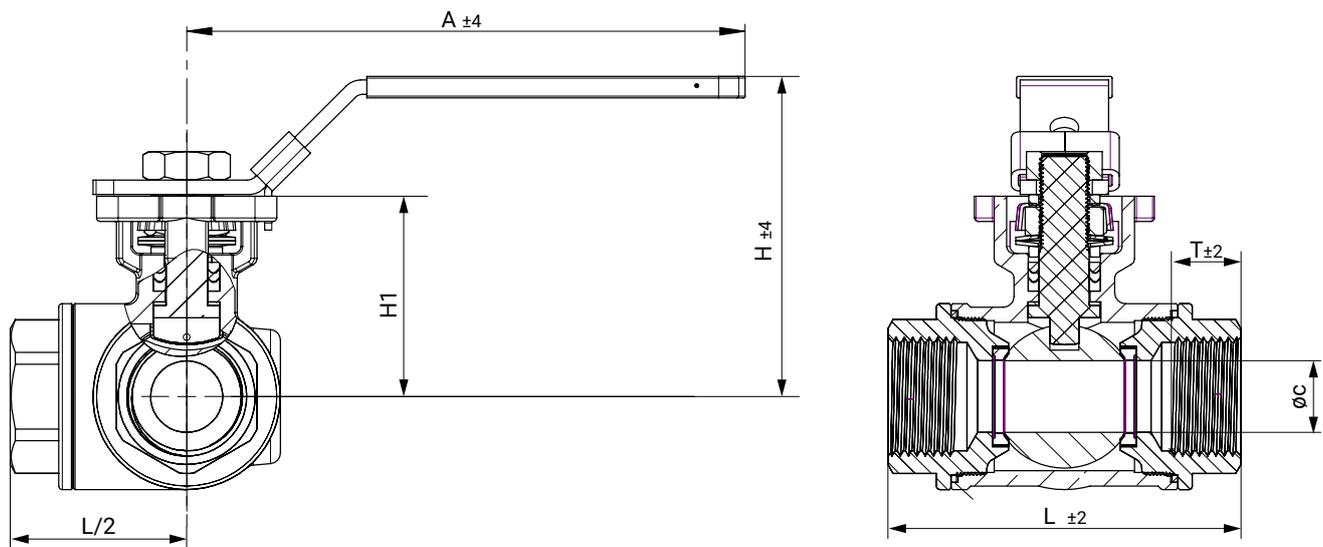


DN	G	F1	ISO 5211	F2	ISO 5211	SW	h	T	M
8	1/4"	36.0	F03	42.0	F04	9.0	9.0	6.5	M12
10	3/8"	36.0	F03	42.0	F04	9.0	9.0	6.5	M12
15	1/2"	36.0	F03	42.0	F04	9.0	9.0	6.5	M12
20	3/4"	36.0	F03	42.0	F04	9.0	8.5	6.0	M12
25	1"	42.0	F04	50.0	F05	11.0	11.5	7.0	M14
32	1 1/4"	42.0	F04	50.0	F05	11.0	11.5	7.0	M14
40	1 1/2"	50.0	F05	70.0	F07	14.0	14.0	8.5	M18
50	2"	50.0	F05	70.0	F07	14.0	14.0	8.5	M18

Dimensions in mm

## 9.2 Body dimensions

### 9.2.1 Threaded socket (connection code 1, 31)



DN	G	øc	A	H	H1	L	T
8	1/4"	12.0	125.0	71.4	40.9	74.0	14.6
10	3/8"	12.0	125.0	73.5	43.0	74.0	14.6
15	1/2"	12.0	125.0	72.5	43.0	74.0	14.7
20	3/4"	15.0	125.0	75.5	45.0	86.0	16.7
25	1"	20.0	155.0	89.5	56.0	98.0	19.9
32	1¼"	25.0	155.0	95.5	62.0	118.0	21.9
40	1½"	32.0	190.0	108.4	74.0	130.0	22.4
50	2"	38.0	190.0	111.4	78.0	149.0	26.9

Dimensions in mm

## 10 Manufacturer's information

### 10.1 Delivery

- Check that all parts are present and check for any damage immediately upon receipt.

The product's performance is tested at the factory. The scope of delivery is apparent from the dispatch documents and the design from the order number.

### 10.2 Packaging

The product is packaged in a cardboard box which can be recycled as paper.

### 10.3 Transport

1. Only transport the product by suitable means. Do not drop. Handle carefully.
2. After the installation dispose of transport packaging material according to relevant local or national disposal regulations / environmental protection laws.

### 10.4 Storage

1. Store the product free from dust and moisture in its original packaging.
2. Avoid UV rays and direct sunlight.
3. Do not exceed the maximum storage temperature (see chapter "Technical data").
4. Do not store solvents, chemicals, acids, fuels or similar fluids in the same room as GEMÜ products and their spare parts.
5. Close the compressed air connections with protection caps or sealing plugs.
6. Store the ball valves in the "open" position.

## 11 Installation in piping

### 11.1 Preparing for installation

<b>⚠ WARNING</b>	
	<p><b>Risk of crushing due to moving parts when the valve is not installed!</b></p> <ul style="list-style-type: none"> <li>▶ Upper limbs may get into the valve body openings while working on the valve.</li> <li>● Ensure that the valve is in the respective end position.</li> <li>● Do not reach into the crushing area through the valve body openings.</li> </ul>

<b>⚠ WARNING</b>	
	<p><b>The equipment is subject to pressure!</b></p> <ul style="list-style-type: none"> <li>▶ Risk of severe injury or death</li> <li>● Depressurize the plant or plant component.</li> <li>● Completely drain the plant or plant component.</li> </ul>

<b>⚠ WARNING</b>	
	<p><b>Corrosive chemicals!</b></p> <ul style="list-style-type: none"> <li>▶ Risk of caustic burns</li> <li>● Wear appropriate protective gear.</li> <li>● Completely drain the plant.</li> </ul>

<b>⚠ CAUTION</b>	
	<p><b>Falling product!</b></p> <ul style="list-style-type: none"> <li>▶ Risk of injury and damage to the product</li> <li>● Observe the weight in the technical data.</li> <li>● If necessary, use suitable lifting equipment.</li> </ul>

<b>⚠ CAUTION</b>	
	<p><b>Hot plant components!</b></p> <ul style="list-style-type: none"> <li>▶ Burns</li> <li>● Only work on plant that has cooled down.</li> <li>● Wear protective gear.</li> </ul>

<b>⚠ CAUTION</b>	
	<p><b>Maximum permissible pressure exceeded!</b></p> <ul style="list-style-type: none"> <li>▶ Damage to the product!</li> <li>● Provide for precautionary measures against exceeding the maximum permissible pressure that may be caused by pressure surges (water hammer).</li> </ul>

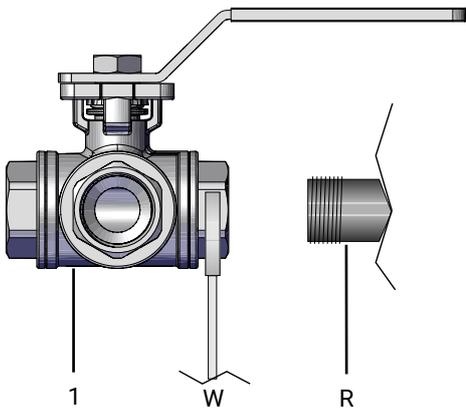
<b>⚠ CAUTION</b>	
<b>Use as step!</b>	
<ul style="list-style-type: none"> <li>▶ Damage to the product</li> <li>▶ Risk of slipping-off</li> <li>● Choose the installation location so that the product cannot be used as a foothold.</li> <li>● Do not use the product as a step or a foothold.</li> </ul>	

<b>NOTICE</b>	
<b>Suitability of the product!</b>	
<ul style="list-style-type: none"> <li>▶ The product must be appropriate for the piping system operating conditions (medium, medium concentration, temperature and pressure) and the prevailing ambient conditions.</li> </ul>	

**NOTICE****Tools!**

- ▶ The tools required for installation and assembly are not included in the scope of delivery.
- Use appropriate, functional and safe tools.

1. Ensure the product is suitable for the relevant application.
2. Check the technical data of the product and the materials.
3. Keep appropriate tools ready.
4. Wear appropriate protective gear, as specified in the plant operator's guidelines.
5. Observe appropriate regulations for connections.
6. Have installation work carried out by trained personnel.
7. Shut off plant or plant component.
8. Secure plant or plant component against recommissioning.
9. Depressurize the plant or plant component.
10. Completely drain the plant (or plant component) and let it cool down until the temperature is below the media vaporization temperature and cannot cause scalding.
11. Decontaminate, rinse and ventilate the plant or plant component properly.
12. Lay piping so that the product is protected against transverse and bending forces, and also from vibrations and tension.
13. Only mount the product between matching aligned pipes (see following chapters).
14. Flow direction and installation position are optional.

**11.2 Installation with threaded connections**

1. Screw ball valve body **1** onto piping **R** using an appropriate thread sealant. The thread sealant is not included in the scope of delivery.
2. Hold in place with open-end wrench **W**.
3. Connect the ball valve body **1** to piping on the other side in a like manner.

**11.3 After the installation**

- Re-attach or reactivate all safety and protective devices.

**12 Commissioning****⚠ WARNING****Corrosive chemicals!**

- ▶ Risk of caustic burns
- Wear appropriate protective gear.
- Completely drain the plant.

**⚠ CAUTION****Leakage!**

- ▶ Emission of dangerous materials
- Provide for precautionary measures against exceeding the maximum permissible pressure that may be caused by pressure surges (water hammer).

1. Check the tightness and the function of the product (close and reopen the product).
2. Flush the piping system of new plant and following repair work (the product must be fully open).
  - ⇒ Harmful foreign matter has been removed.
  - ⇒ The product is ready for use.
3. Commission the product.

**13 Operation**

The product is manually operated.

## 14 Troubleshooting

Error	Possible cause	Troubleshooting
The product does not open or does not open fully	Hand lever locking device engaged	Disengage hand lever locking device
	Foreign matter in the product	Remove and clean the product
The product does not close or does not close fully	Hand lever locking device engaged	Disengage hand lever locking device
	Foreign matter in the product	Remove and clean the product
The product is leaking between hand lever and valve body	Faulty product	Check the product for potential damage, replace the product if necessary
	Seals faulty	Replace seals
Connection between valve body and piping leaking	Incorrect installation	Check installation of valve body in piping
	Thread leaking	Reseal thread
Valve body leaking	Valve body leaking or corroded	Check valve body for damage, replace valve body if necessary

**15 Inspection/maintenance**

**⚠ WARNING**



**Risk of crushing due to moving parts when the valve is not installed!**

- ▶ Upper limbs may get into the valve body openings while working on the valve.
- Ensure that the valve is in the respective end position.
- Do not reach into the crushing area through the valve body openings.

**⚠ WARNING**



**The equipment is subject to pressure!**

- ▶ Risk of severe injury or death
- Depressurize the plant or plant component.
- Completely drain the plant or plant component.

**⚠ CAUTION**



**Hot plant components!**

- ▶ Burns
- Only work on plant that has cooled down.
- Wear protective gear.

**⚠ CAUTION**

- Servicing and maintenance work must only be performed by trained personnel.
- In case of doubt, contact GEMÜ prior to commissioning.

1. Use appropriate protective gear as specified in plant operator's guidelines.
2. Shut off plant or plant component.
3. Secure against recommissioning.
4. Depressurize the plant or plant component.

Ball valves are maintenance-free. No lubrication or routine maintenance of the ball valve shaft is required. The shaft is guided through a PTFE gland packing in the ball valve body. The shaft seal is pretensioned and self-adjusting. However, the operator must carry out regular visual examinations of the ball valves, dependent on the operating conditions and the potential danger in order to prevent leakage and damage.

If there is a leakage at the spindle nut, this can generally be rectified by retightening the spindle nut. However, overtightening the spindle nut must be avoided.

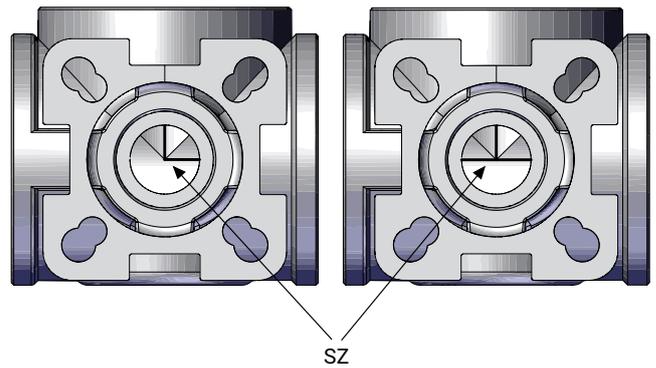
Usually, retightening by between 30° and 60° will be sufficient to rectify the leakage.

**15.1 General information regarding replacing the hand lever**

**NOTICE**

**The following is required for hand lever replacement:**

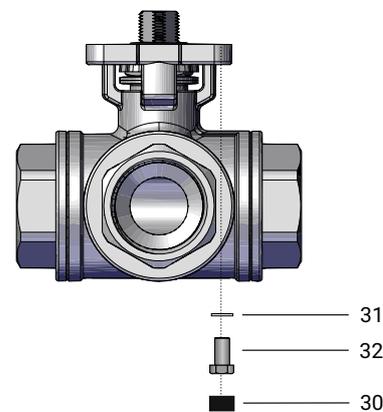
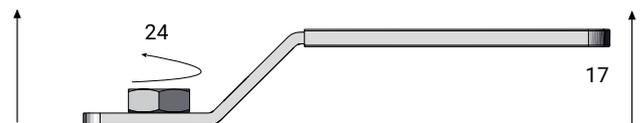
- Allen key



1. Check the position of the ball indicated by the groove **SZ** and compare with position indicator, rotate ball valve to correct position if necessary.
- ⇒ Groove transverse to piping direction:  
Ball valve closed.
  - ⇒ Groove in piping direction:  
Ball valve open.

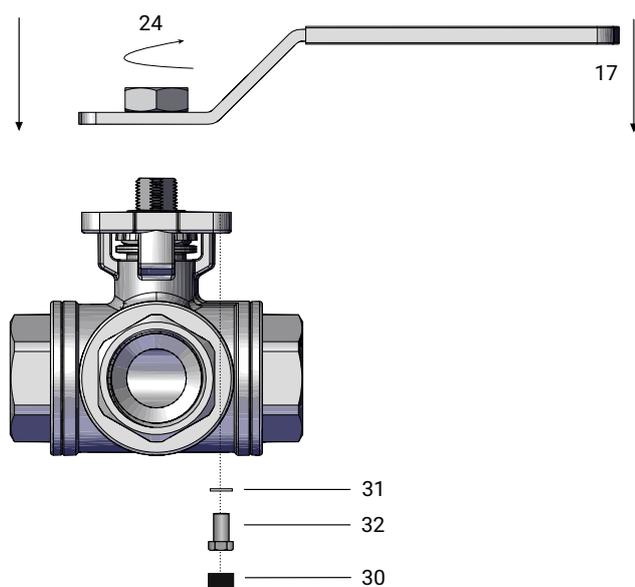
**15.1.1 Replacing the hand lever**

**15.1.1.1 Removing the hand lever**

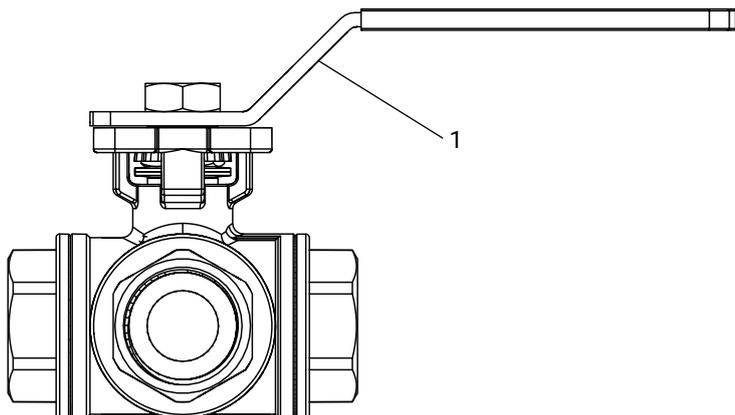


1. Remove the protective caps **30**.
2. Unscrew the hexagon screws **32**.
3. Do not lose the washers **31**.
4. Unscrew the nut **24**.
5. The hand lever **17** can be removed from the ball valve body.

### 15.1.1.2 Assembling the hand lever



1. Push the new hand lever **17** onto the ball valve body.
2. Turn the hand lever until the screws **32** and nuts **24** can be inserted.
3. Tighten the hand lever with the nut **24**.
4. Tighten the hexagon screws **32** with their washers **31** until hand tight.
5. Diagonally tighten the hexagon screws **32** evenly until they are hand tight.
6. Put the protective caps **30** back on.

**15.2 Spare parts**

Item	Name	Order designation
1	Quarter turn actuator, manual, DN 15-20	AB22 20D 0SET
	Quarter turn actuator, manual, DN 25-32	AB22 32D 0SET
	Quarter turn actuator, manual, DN 40-50	AB22 50D 0SET

## **16 Removal from piping**

1. Remove the clamp or screw connections in reverse order to installation.
2. Remove welded or solvent cemented connections using a suitable cutting tool.
3. Observe the safety information and accident prevention regulations.

## **17 Disposal**

1. Pay attention to adhered residual material and gas diffusion from penetrated media.
2. Dispose of all parts in accordance with the disposal regulations/environmental protection laws.

## **18 Returns**

Legal regulations for the protection of the environment and personnel require that the completed and signed return delivery note is included with the dispatch documents. Returned goods can be processed only when this note is completed. If no return delivery note is included with the product, GEMÜ cannot process credits or repair work but will dispose of the goods at the operator's expense.

1. Clean the product.
2. Request a return delivery note from GEMÜ.
3. Complete the return delivery note.
4. Send the product with a completed return delivery note to GEMÜ.

19 EU Declaration of Conformity



Version 1



EU-Konformitätserklärung
EU Declaration of Conformity

Wir, die Firma

We, the company

GEMÜ Gebr. Müller Apparatebau GmbH & Co. KG
Gert-Müller-Platz 1
74635 Kupferzell
Deutschland

erklären hiermit in alleiniger Verantwortung, dass die nachfolgend bezeichneten Produkte den Vorschriften der genannten Richtlinien entspricht.

hereby declare under our sole responsibility that the below-mentioned products complies with the regulations of the mentioned Directives.

Produkt: GEMÜ B27

Product: GEMÜ B27

Produktname: Manuell betätigter 3/2-Wege-Kugelhahn

Product name: Manually operated 3/2-way ball valve

Richtlinien/Verordnungen:

Directives/Regulations:

PED 2014/68/EU<sup>1)</sup>

Folgende harmonisierte Normen (oder Teile hieraus) wurden angewandt:

EN ISO 1983:2013

Weitere angewandte Normen:

DIN EN ISO 5211; AD 2000

<sup>1)</sup> PED 2014/68/EU

Einteilung gemäß Druckgeräterichtlinie 2014/68/EU, Artikel 4 und Anhang II: Fluidklasse 1 (gasförmig oder flüssig), Diagramm 6, Kategorie II. Instabile Gase sind ausgeschlossen.

Benannte Stelle: TÜV Rheinland Industrie Service GmbH, Am Grauen Stein 1, 51105 Köln

Kennnummer der benannten Stelle: 0035, Nr. des QS-Zertifikats: 01 202 926/Q-02 0036

Angewandte(s) Konformitätsbewertungsverfahren: Modul H

Hinweis für Produkte mit einer Nennweite ≤ DN 25: Die Produkte werden entwickelt und produziert nach GEMÜ eigenen Verfahrensanweisungen und Qualitätsstandards, welche die Forderungen der ISO 9001 und der ISO 14001 erfüllen. Die Produkte dürfen gemäß Artikel 4, Absatz 3 der Druckgeräterichtlinie 2014/68/EU keine CE-Kennzeichnung tragen.

<sup>1)</sup> PED 2014/68/EU

Classification acc. Pressure Equipment Directive 2014/68/EU, Article 4 and Annex II: Class 1 fluid (gaseous or liquid) Chart 6, Category II. Unstable gases are excluded.

Notified body: TÜV Rheinland Industrie Service GmbH, Am Grauen Stein 1, 51105 Cologne, Germany

ID number of the notified body: 0035, No. of the QA certificate: 01 202 926/Q-02 0036

Conformity assessment procedure(s) applied: Module H

Information for products with a nominal size ≤ DN 25: The products are developed and produced according to GEMÜ's in-house process instructions and standards of quality which comply with the requirements of ISO 9001 and ISO 14001. According to Article 4, Paragraph 3 of the Pressure Equipment Directive 2014/68/EU, these products must not be identified by a CE-marking.

Handwritten signature of M. Barghoorn

i.V. M. Barghoorn
Leiter Globale Technik
Ingelfingen, 17.11.2025

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Subject to alteration

12.2025 | 88810326