

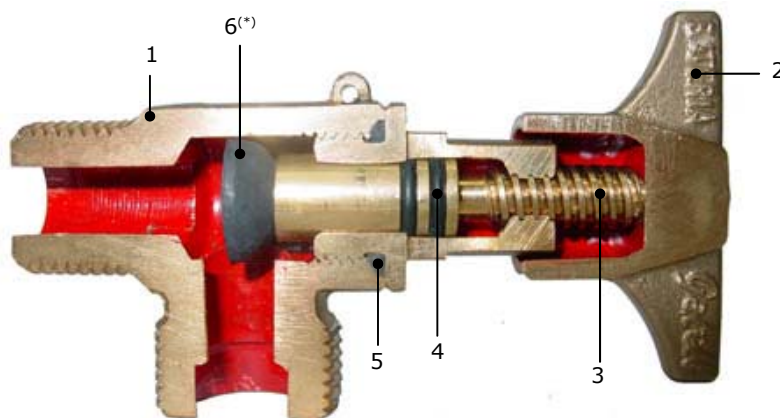
Ref.	Application	PN	Measurements/DN	Threaded exit	
				3/4"	1"
<b>BH201</b>	Valves for installation in centralised meter installations as well as individual fresh water mains connections	<b>16</b>	13	•	
			20		•

**Connections to meter via bushes (Ref. BH401) and tubing nut bush (Ref. BH425)**

Ref.	Valve connection	Meter connection								
		DN	LL13	1/2"	3/4"	7/8"	1"	1 1/4"	1 1/2"	
<b>BH201</b>	BUSH	13	LL13 left	•	•	•	•	•		
		20	1" left	•		•	•	•	•	•
	TUBING NUT BUSH	13	LL13 left			•	•	•		
		20	1" left				•	•	•	

**Manual exit valve**
**Specifications:**

Manually operated valve designed for installation in the meter exit with bush (Ref. BH401) or tubing nut bush (Ref. BH425), with non-return device included in accordance with the requirements of UNE 19804.

**Ref. BH201**


- 1. Body** made of pressed brass CW617N in accordance with UNE-EN 12165. With drilled lug for sealing.
- 2. Lever** made of pressed brass CW617N in accordance with UNE-EN 12165. With drill hole for sealing.
- 3. Bar-turning frame shaft** made of brass in accordance with UNE-EN 12166.
- 4. O-rings** made of EPDM in accordance with UNE-EN 681-1.
- 5. O-ring frame** made of EPDM in accordance with UNE-EN 681-1.
- 6. Non-return device** made of EPDM (DN13) (\*) or pressed brass CW617N with EPDM seal (DN20) in accordance with UNE-EN 681-1 .

This valve complies with current UNE 19804 and the basic legislation for Interior Water Supply Installations of the Ministry of Industry published in the Official State Bulletin dated 13th of June 1976, section 1.4.1.: "The materials employed in piping and plumbing must be capable, in general and as a minimum, of withstanding a working pressure of 15 kg/cm<sup>2</sup>".

(\*) Also available with vulcanised metal non-return device.

- Incorporates a non-return valve:
  - Guarantees public health by preventing undesired return of water.
  - Protects the meters from hot water returns.
  - Maintains hydraulic performance.
  - Does not increase costs.
- Available connection components (Ref. BH401 and Ref. BH425) allow the installation or replacement of any type of meter by simply employing an adjustable spanner (Ref. BH411).

### Accessories:

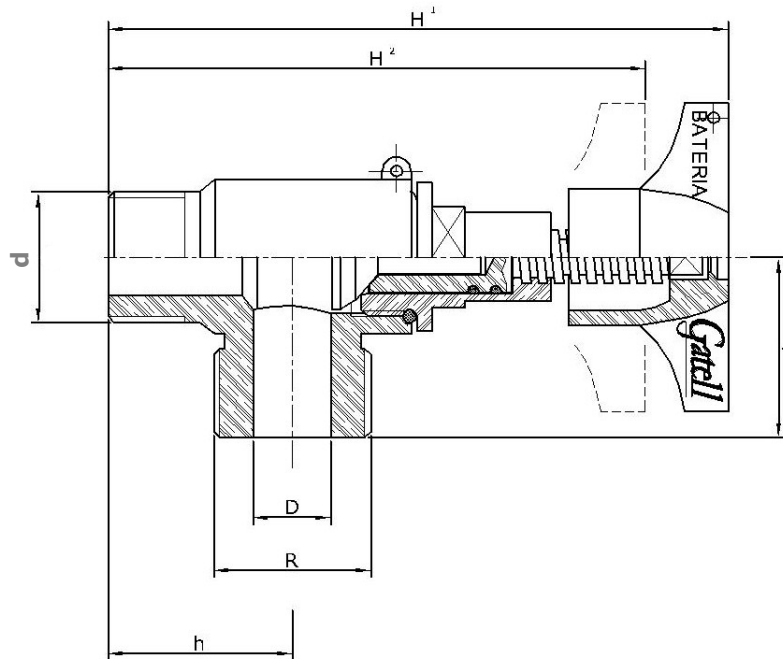
- Bush: Ref. BH401
- Tubing nut bush: Ref. BH425
- Adjustable spanner: Ref. BH411
- Free bore: Ref. BH013
- Blocking plug: Ref. BH409
- Blocking plug spanner: Ref. BH410
- Anti-fraud box: Ref. BH426 and Ref. BH427
- Purge: Ref. BH408

### Spare parts:

	Ref.		Ref.
Manual frame	BH403	Non-return device Vulcanised metal non-return device	BH404 BH405

### TECHNICAL DRAWING FOR THE VALVE

Ref. BH201



Ref.	D (DN)	d	h (mm)	H1 (mm)	H2 (mm)	l (mm)	R	Weight (kg)
BH201	13	LL13 LEFT.	31	106	91.5	30.5	¾"	0.28
	20	1" LEFT	33	125	107.5	33	1"	0.47

Ref.	Application	PN	Measurements/DN	Threaded exit	
				¾"	1"
<b>BH203</b>	Valves for installation in centralised meter installations as well as individual fresh water mains connections	<b>16</b>	13	•	
			20		•

### Connections to meter via bushes (Ref. BH401) and tubing nut bush (Ref. BH425)

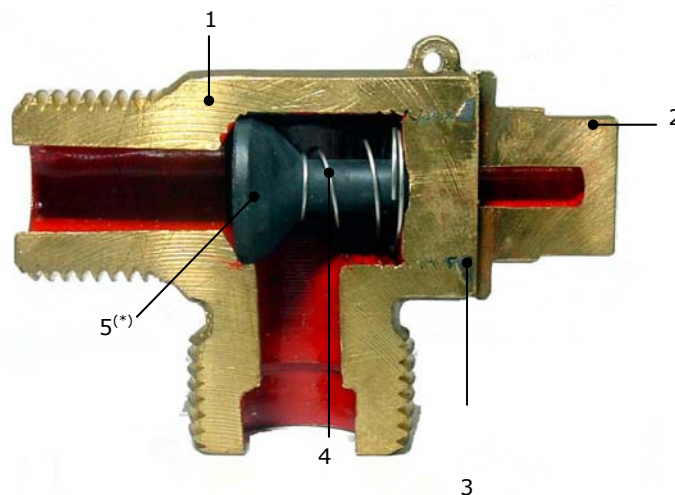
Ref.	Valve connection	Meter connection								
		DN	LL13	½"	¾"	7/8"	1"	1¼"	1½"	
<b>BH203</b>	BUSH	13	LL13 left	•	•	•	•	•		
		20	1" left	•		•	•	•	•	•
	TUBING NUT BUSH	13	LL13 left			•	•	•		
		20	1" left				•	•	•	

### Automatic exit valve

#### Specifications:

Automatic valve designed for installation in the meter exit by bush (Ref. BH401) or tubing nut bush (Ref. BH425), with non-return device included in accordance with the requirements of UNE 19804.

#### Ref. BH203



- 1. Body** made of pressed brass CW617N in accordance with UNE-EN 12165. With drilled lug for sealing.
- 2. Recording body** made of pressed brass CW617N in accordance with UNE-EN 12165.
- 3. Recording body O-ring** made of EPDM in accordance with UNE-EN 681-1.
- 4. Recording spring** made of stainless steel.
- 5. Non-return device** made of EPDM (DN13) (\*) or pressed brass CW617N with EPDM seal (DN20) in accordance with UNE-EN 681-1 .

This valve complies with the basic legislation for Interior Water Supply Installations of the Ministry of Industry published in the Official State Bulletin dated 13th of January 1976, section 1.4.1.: "The materials employed in piping and plumbing must be capable, in general and as a minimum, of withstanding a working pressure of 15 kg/cm<sup>2</sup>".

(\*) Also available with vulcanised metal non-return device.

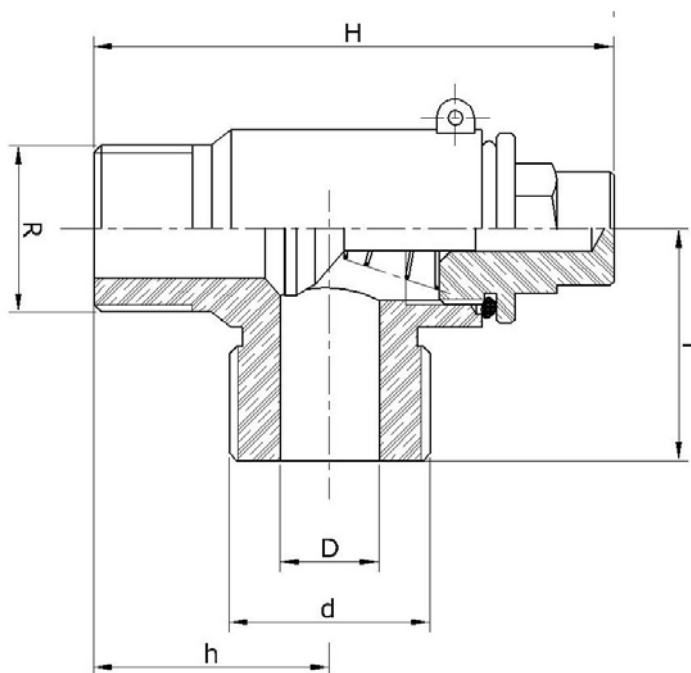
- Incorporates a non-return valve:
  - Guarantees public health by preventing undesired return of water.
  - Protects the meters from hot water returns.
  - Maintains hydraulic performance.
  - Does not increase costs.
- Available connection components (Ref. BH401 and Ref. BH425) allow the installation or replacement of any type of meter by simply employing an adjustable spanner (Ref. BH411).

**Accessories:**

- Bush: Ref. BH401
- Tubing nut bush: Ref. BH425
- Adjustable spanner: Ref. BH411
- Free bore: Ref. BH013
- Anti-fraud box: Ref. BH426 and Ref. BH427
- Purge: Ref. BH408 (only for DN13)

**Spare parts:**

Non-return device	Ref. BH404	Vulcanised metal non-return device	Ref. BH405
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**TECHNICAL DRAWING FOR THE VALVE**
**Ref. BH203**


Ref.	D (DN)	d	h (mm)	H (mm)	l (mm)	R	Weight (kg)
BH203	13	3/4"	31	66	30.5	LL13 LEFT.	0.20
	20	1"	33	81	33	1" LEFT	0.35

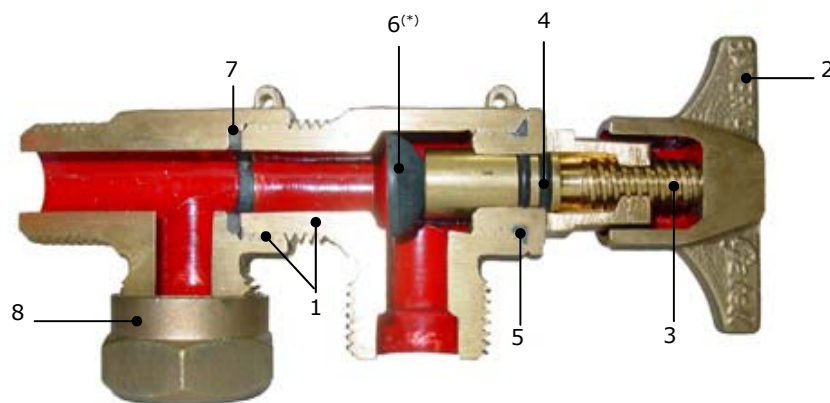
Ref.	Application	PN	Measurements/DN	Threaded exit	
				¾"	1"
<b>BH205</b>	Valves for installation in centralised meter installations as well as individual fresh water mains connections	<b>16</b>	13	•	
			20		•

**Connections to meter via bushes (Ref. BH401) and tubing nut bush (Ref. BH425)**

Ref.	Valve connection	Meter connection								
		DN	LL13	½"	¾"	7/8"	1"	1¼"	1½"	
<b>BH205</b>	BUSH	13	LL13 left	•	•	•	•	•		
		20	1" left	•		•	•	•	•	•
	TUBING NUT BUSH	13	LL13 left			•	•	•		
		20	1" left				•	•	•	

**Manual exit valve with purge**
**Specifications:**

Manually operated valve designed for installation in the meter exit with bush (Ref. BH401) or tubing nut bush (Ref. BH425). This valve includes a non-return device and a checking device (purge) suitable for checking the meter on site, in accordance with sections 6.4 and 6.5 respectively, of the current UNE 19804.

**Ref. BH205**


- 1. Body** made of pressed brass CW617N in accordance with UNE-EN 12165. With drilled lug for sealing.
- 2. Lever** made of pressed brass CW617N in accordance with UNE-EN 12165. With drill hole for sealing.
- 3. Bar-turning frame shaft** made of brass in accordance with UNE-EN 12166.
- 4. O-rings** made of EPDM in accordance with UNE-EN 681-1.
- 5. O-ring frame** made of EPDM in accordance with UNE-EN 681-1.
- 6. Non-return device** made of EPDM (DN13) (\*) or pressed brass CW617N with EPDM seal (DN20) in accordance with UNE-EN 681-1.

- 7. Purge seal** made of EPDM in accordance with UNE-EN 681-1.
- 8. Purge nut** made of pressed brass CW617N in accordance with UNE-EN 12165.

This valve complies with current UNE 19804 and the basic legislation for Interior Water Supply Installations of the Ministry of Industry published in the Official State Bulletin dated 13th of June 1976, section 1.4.1: "The materials employed in piping and plumbing must be capable, in general and as a minimum, of withstanding a working pressure of 15 kg/cm<sup>2</sup>".

(\*) Also available with vulcanised metal non-return device.

- Incorporates a non-return valve:
  - Guarantees public health by preventing undesired return of water.
  - Protects the meters from hot water returns.
  - Maintains hydraulic performance.
  - Does not increase costs.
- Available connection components (Ref. BH401 and Ref. BH425) allow the installation or replacement of any type of meter by simply employing an adjustable spanner (Ref. BH411).

### Accessories:

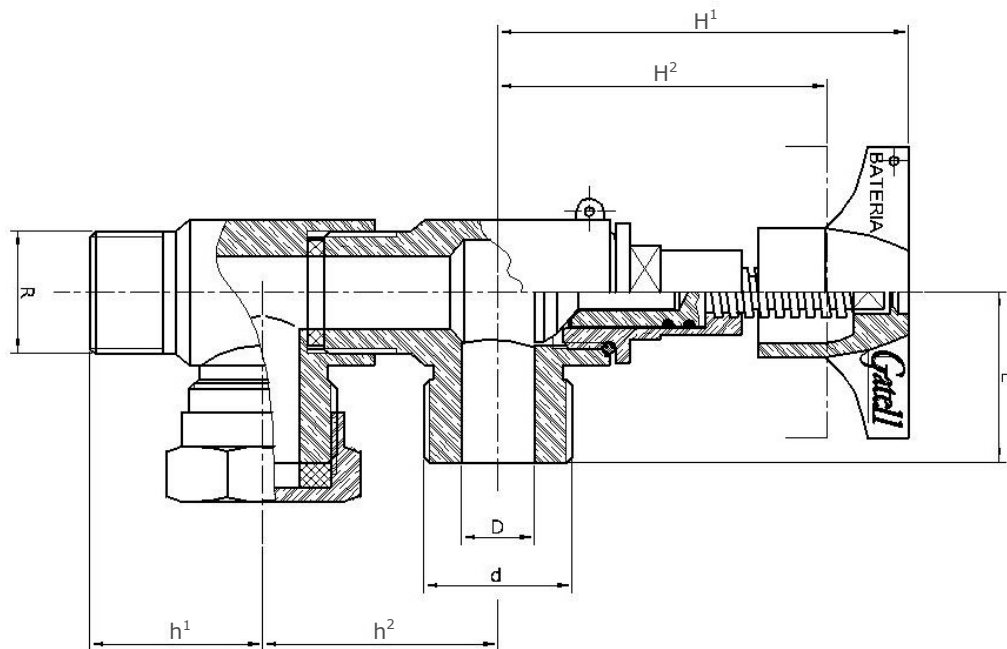
- Bush: Ref. BH401
- Tubing nut bush: Ref. BH425
- Adjustable spanner: Ref. BH411
- Free bore: Ref. BH013
- Blocking plug: Ref. BH409
- Blocking plug spanner: Ref. BH410
- Anti-fraud box: Ref. BH426 and Ref. BH427

### Spare parts:

Manual frame	Ref. BH403	Vulcanised metal non-return device	Ref. BH405
Non-return device	Ref. BH404	Purge	Ref. BH408

### TECHNICAL DRAWING FOR THE VALVE

Ref. BH205



Ref.	D (DN)	L (mm)	d (mm)	R	H1 (mm)	H2 (mm)	h1 (mm)	h2 (mm)	Weight (kg)
BH205	13	30.5	¾"	LL13 LEFT	75	60.5	31	42	0.48
	20	31	1"	1" LEFT	92	74.5	33	47	0.78

Ref.	Application	PN	Measurements/DN	Threaded exit	
				¾"	1"
<b>BH207</b>	Valves for installation in centralised meter installations as well as individual fresh water mains connections	<b>16</b>	13	•	
			20		•

**Connections to meter via bushes (Ref. BH401) and tubing nut bush (Ref. BH425)**

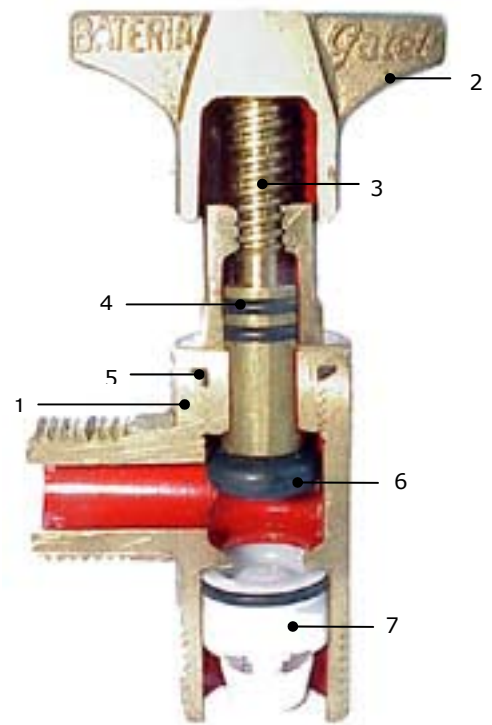
Ref.	Valve connection	Meter connection								
		DN	LL13	½"	¾"	7/8"	1"	1¼"	1½"	
<b>BH207</b>	BUSH	13	LL13 left	•	•	•	•	•		
		20	1" left	•		•	•	•	•	•
	TUBING NUT BUSH	13	LL13 left			•	•	•		
		20	1" left				•	•	•	

**Vertical exit valve**
**Specifications:**

Manual valve, designed for installation in the meter exit by bush connection (Ref. BH401) or tubing nut bush (Ref. BH425).

- Body** made of pressed brass CW617N in accordance with UNE-EN 12165.
- Lever** made of pressed brass CW617N in accordance with UNE-EN 12165. With drill hole for sealing.
- Bar-turning frame shaft** made of brass in accordance with UNE-EN 12166.
- O-rings** made of EPDM in accordance with UNE-EN 681-1.
- O-ring frame** made of EPDM in accordance with UNE-EN 681-1.
- Threaded non-return device** made of vulcanised brass.
- Non-return device** made of POM.

This valve includes a non-return device that automatically prevents the return of water just as specified in the current UNE 19804 and also complies with the Basic Legislation for Interior Water Supply Installations of the Ministry of Industry published in the Official State Bulletin, dated 13th of January 1976, section 1.4.1.: "The materials employed in piping and plumbing must be capable, in general and as a minimum, of withstanding a working pressure of 15 kg/cm<sup>2</sup>".

**Ref. BH207**


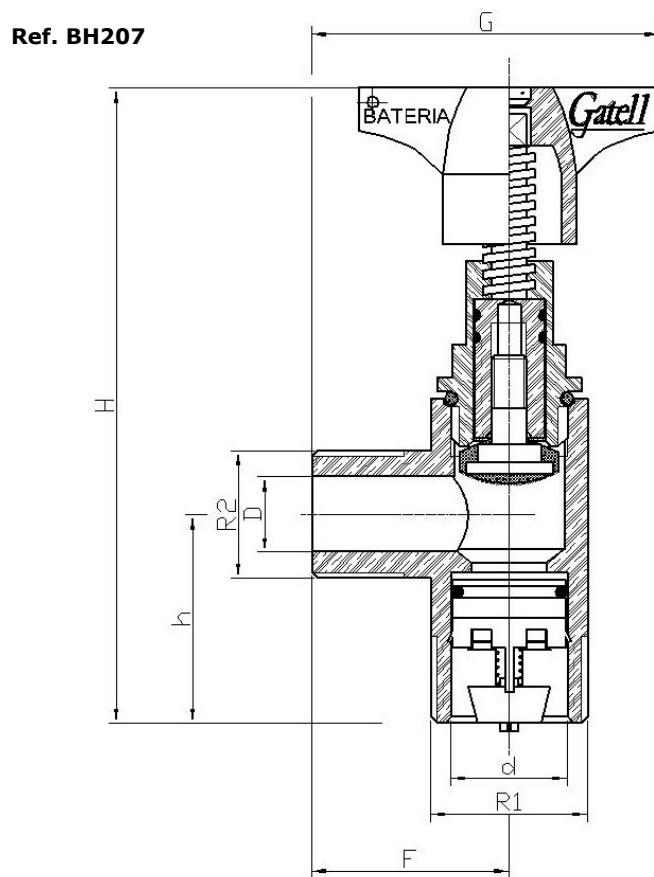
- The body thread permits connection by a bush (Ref. BH401) as well as a tubing nut bush (Ref. BH425).
- Available connection components (Ref. BH401 and Ref. BH425) allow the installation or replacement of any type of meter by simply employing an adjustable spanner (Ref. BH411).

**Accessories:**

- Bush: Ref. BH401
- Tubing nut bush: Ref. BH425
- Adjustable spanner: Ref. BH411
- Free bore: Ref. BH013
- Anti-fraud box: Ref. BH426 and Ref. BH427
- Purge: Ref. BH408 (only for DN13)

**Spare parts:**

	Ref.
Vertical exit frame with non-return device	BH439

**TECHNICAL DRAWING FOR THE VALVE**


Ref.	D (DN)	d (mm)	h (mm)	H (mm)	F (mm)	G (mm)	R1	R2	Weight (kg)
BH207	13	20	36	109.5	34	60	3/4"	LL13 LEFT	0.29
	20	25	20	136.5	33	60.25	1"	1" LEFT	0.45



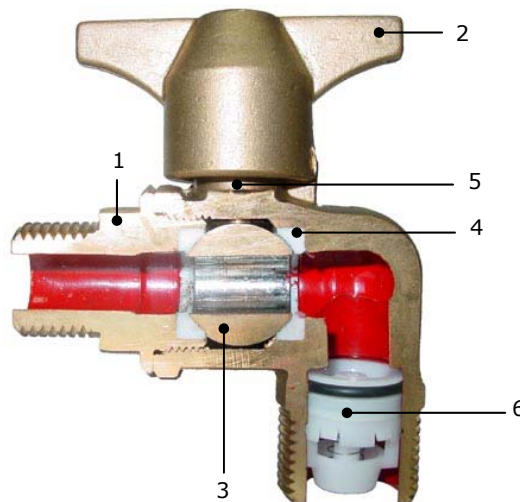
Ref.	Application	PN	Measurements/DN	Threaded exit	
				¾"	1"
BH209	Valves for installation in centralised meter installations as well as individual fresh water mains connections	16	15	•	
			20		•

**Connections to meter via bushes (Ref. BH401) and tubing nut bush (Ref. BH425)**

Ref.	Valve connection	Meter connection								
		DN	LL13	½"	¾"	7/8"	1"	1¼"	1½"	
BH209	BUSH	13	LL13 left	•	•	•	•	•		
		20	1" left	•		•	•	•	•	•
	TUBING NUT BUSH	13	LL13 left			•	•	•		
		20	1" left				•	•	•	

**Knead ball exit valve**
**Specifications:**

Manually operated valve designed for installation in the meter exit with bush (Ref. BH401) or tubing nut bush (Ref. BH425), with non-return device included in accordance with the requirements of UNE 19804.

**Ref. BH209**


- 1. Body** made of pressed brass CW617N in accordance with UNE-EN 12165.
- 2. Lever** made of pressed brass CW617N in accordance with UNE-EN 12165.
- 3. Ball** made of brass in accordance with UNE-EN 12166.
- 4. Leak-tight seal** made of Teflon.
- 5. Bar-turning operation shaft** made of brass. O-ring included.
- 6. Check valve** made of POM.

This valve complies with current UNE 19804 and the basic legislation for Interior Water Supply Installations of the Ministry of Industry published in the Official State Bulletin dated 13th of June 1976, section 1.4.1: "The materials employed in piping and plumbing must be capable, in general and as a minimum, of withstanding a working pressure of 15 kg/cm<sup>2</sup>".

- Incorporates a non-return valve:
  - Guarantees public health by preventing undesired return of water.
  - Protects the meters from hot water returns.
  - Maintains hydraulic performance.
  - Does not increase costs.
- Available connection components (Ref. BH401 and Ref. BH425) allow the installation or replacement of any type of meter by simply employing an adjustable spanner (Ref. BH411).

### Accessories:

- Bush: Ref. BH401
- Tubing nut bush: Ref. BH425
- Adjustable spanner: Ref. BH411
- Free bore: Ref. BH013
- Blocking shaft: Ref. BH412
- Anti-fraud box: Ref. BH426 and Ref. BH427
- Purge: Ref. BH408 (only for DN13)

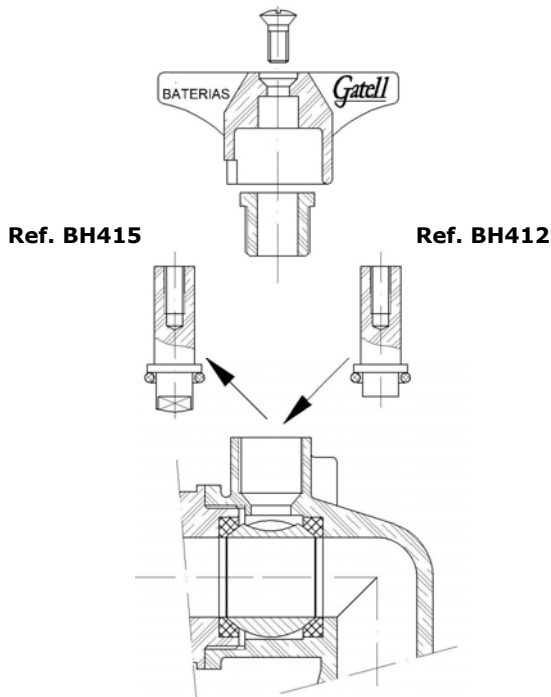
### Spare parts:

	Ref.
Operation shaft	BH415

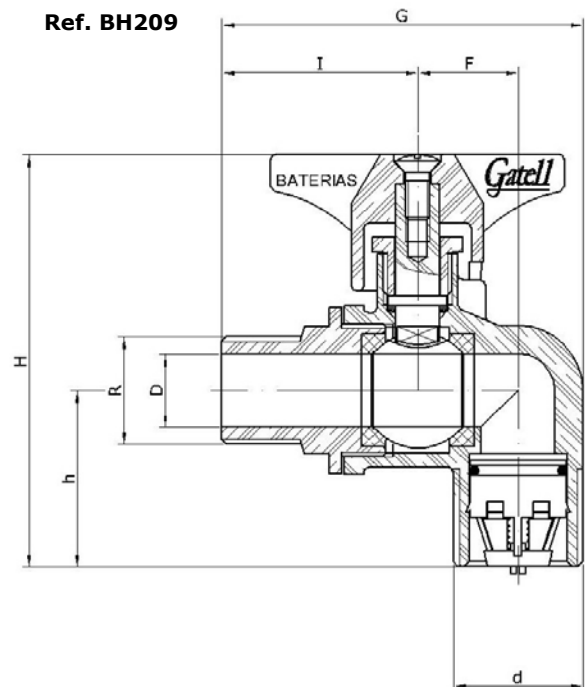
### Instructions for blocking the valve:

1. Cut-off the water.
2. Unscrew the securing screw and remove the lever.
3. Unscrew the compression nut and remove the operation shaft.
4. Insert the blocking shaft and screw the compression nut.
5. Assemble the lever and screw the securing screw.

#### SHAFT REPLACEMENT DIAGRAM



#### TECHNICAL DRAWING FOR THE VALVE



Ref.	D (DN)	d	h (mm)	H (mm)	G (mm)	F (mm)	I (mm)	R	Weight (kg)
BH209	15	¾"	36	84	74	20.5	40	LL13 LEFT	0.40
	20	1"	43	97.5	81.5	26.5	41	1" LEFT	0.57