



40
years

SINCE FOUNDATION



BOLOGOVSKY VALVE PLANT AT A GLANCE

Bologovsky Valve Plant was founded in 1978 and has been manufacturing premium quality Russian products for more than 40 years.

The plant is situated in the city of Bologoe, one of the unique Russian destinations. It is the place, according to the once popular song, “somewhere between Leningrad and Moscow”, in the northern part of the Valdai Hills.

The company specializes in manufacturing of shut-off and control valves of LS 59-1 brass according to GOST 15527-2004. All BVP finished products are made of Russian feedstock without use of imported components. Products of the plant fully substitute any imported counterparts and outperform them by many technical parameters: weight, wall thickness, brass quality etc.

The plant’s capacity enables release of up to 15,000,000 product units per year, which is enough to promptly manufacture virtually any quantity that our partners may demand.

Nowadays Bologovsky Valve Plant undergoes a new stage of development. The plant employs more than 300 people and is a backbone enterprise of the city.

The plant’s territory exceeds 21 hectares and accommodates, apart from production premises, an inhouse power substation and a boiler house that provide for autonomous and uninterrupted work of the enterprise.



BOLOGOVSKY VALVE PLANT

FOUNDED IN 1978

**FIRST
PLANT**

in Russia to
produce brass ball
valves

**10
YEARS**

native producer
warranty

**40
YEARS**

producing premium
quality valves under
GOST

**150
MILLION**

product units sold

Bologovsky Valve Plant is a major Russian complete cycle manufacturer.

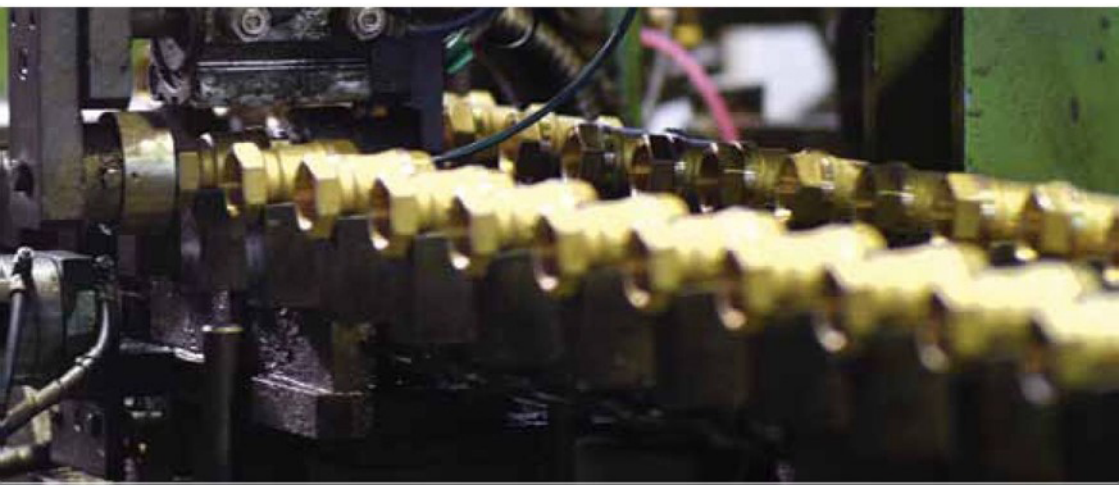
The plant owns the necessary base:

- ILT-2.5 melting furnaces;
- MLPD 071108 die casting machines;
- ROVETTA hot stamping press;
- Geldemeister AS-16 and AS-25 automatic turning lathes;
- VAEP automatic assembly lines.

These are but a minor part of our equipment that enables daily release of high quality shut-off valves for our customers.

All ready items undergo final 100 % acceptance control. Thereby we eliminate the risk of installing substandard quality valves at the customer's site. All BVP products are covered by the manufacturer's warranty.

Bologovsky Valve Plant is proud of its manufacturing capacity and committed team ensuring release of good, competitive product.





PRODUCTION STAGES

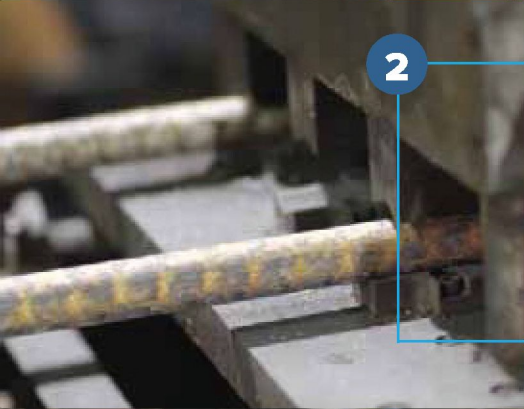
1

1. Melting area

Brass melting takes place in ILT-25 induction furnaces. Melt temperature is 900–950 °C.

Metal (brass) pouring occurs at the KR-2330 pouring conveyor from where solidified ingots are extracted, stacked, and transported to the continuous casting area.

Metal tapping is allowed only after brass chemical composition is checked for compliance to GOST. Modern equipment helps detect impurities content up to 0.001–0.001 %.

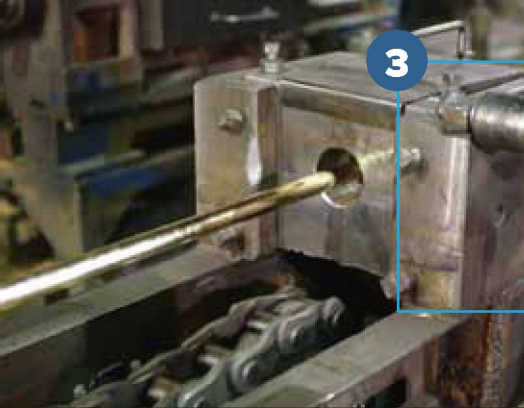


2

2. Continuous casting area

The area manufactures 15 to 50 mm diameter rod billets. Brass rods are produced by four continuous casting units (CCUs). CCUs melt brass ingots.

The melted brass passes via the mold where the rod solidifies and cools down. Rod pulling is performed with a special pulling device. Rod cutting into specified lengths is performed automatically using a disc or band saw.



3

3. Rod scalping area

Rod scalping is performed by drawing through drawing dies using tongs.



4

4. Die casting area

The area manufactures castings (brass, aluminum). Castings are formed in press dies of die casting machines A71107 and A71108.

Other process equipment:

- ILK-0.4 electric induction channel-type melting furnaces;
- SAT-0.25 electric resistance crucible furnaces.



FOR BVP BRASS BALL VALVES

5. Hot stamping area

The area manufactures forgings (brass).

Forgings are formed in dies using 200 tf and 350 tf Rovetta presses from billets pre-heated in an automatic gas furnace.

A heated billet is fed to the stamping area using a robot manipulator hand; stamping ensues.

MT30 cutting presses (Italy) are used to cut burrs from the stamped forging.



6. Machining area

The area is used to machine the parts. The following equipment is used for processing:

- FMF9/90; FMF9/125 Transfer (Italy);
- GILDEMEISTER longitudinal turning auto lathes AS16 and AS20 (Germany);
- D4MV-SFA spherical turning auto lathes (Italy).



7. Assembly area

The area is used for assembly of ball valves, globe valves, and strainer filters. The assembly is performed on 2 Vaep automatic assembly lines (Italy).



8. Quality control

Brass chemical composition quality control is performed in the plant's laboratory using OBLF QSC750 spectrometer (Germany).

The check is performed twice: upon receipt of metal at the plant and during melting.

Moreover, BVP finished products are subjected to the following tests:

1. Strength and density tests for ball valve constituent materials use water under the pressure of 3.8 MPa (38 bar). For a short period the valves can withstand the pressure of 6 MPa (60 bar).
2. Trim and gland leakage tests for gas ball valves use air under the pressure of 0.6 MPa (6 bar).
3. Ball valves regularly undergo bending tests.

BVP Dn15 valves are designed to withstand 35 kg bending moment load.



Finished products



NICKEL-PLATED BRASS BALL VALVES FOR WATER AND STEAM

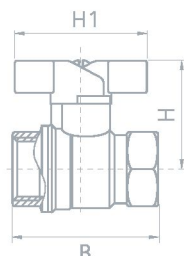


General industry valves are intended for use as shut-off valves in household and potable water pipelines and in process pipelines for cold water, hot water and steam.



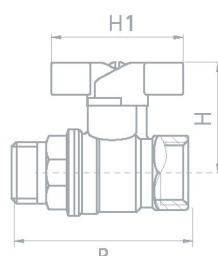
Body part material – LS59-1 brass under GOST 15527-2004.
 Material of ball seals and stem – PTFE.
 Body plating material – nickel (Ni).
 Operating pressure 2.5 MPa.
 Working medium temperature from +1 to +150 °C.
 Trim leakage class – A under GOST 9544-2005.

11B27P1 A30/1



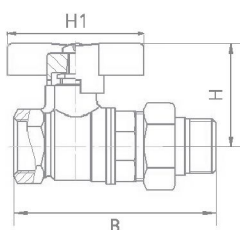
DN, mm	H, mm	B, mm	H1, mm	Quantity in pack
15	46	48	51	160 pcs
20	49	55	51	100 pcs
25	55	64	51	50 pcs

11B27P1 A31/1



DN, mm	H, mm	B, mm	H1, mm	Quantity in pack
15	40	57	51	160 pcs
20	43	64	51	100 pcs
25	55	72	51	50 pcs

11B27P1 “American” separable joint with nut and gasket

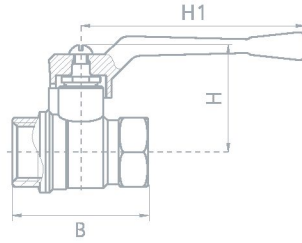


DN, mm	H, mm	B, mm	H1, mm	Quantity in pack
15	40	77	51	120 pcs
20	43	91	51	60 pcs
25	55	98	51	40 pcs



MADE IN RUSSIA

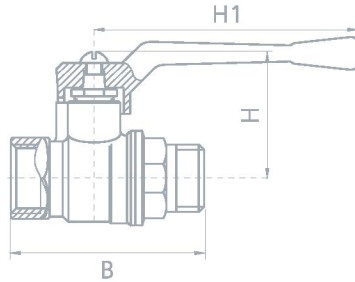
11B27P1 A30



DN, mm	H, mm	B, mm	H1, mm	Quantity in pack
15	46	48	80	180 pcs
20	49	55	80	100 pcs
25	55	64	100	50 pcs

DN, mm	H, mm	B, mm	H1, mm	Quantity in pack
32	63	77	100	25 pcs
40	78	87	160	15 pcs
50	87	105	160	10 pcs

11B27P1 A31



DN, mm	H, mm	B, mm	H1, mm	Quantity in pack
15	43	58	80	160 pcs
20	46	64	80	100 pcs
25	55	72	100	50 pcs

DN, mm	H, mm	B, mm	H1, mm	Quantity in pack
32	63	80	100	35 pcs
40	78	102	160	15 pcs

BRASS BALL VALVES FOR WATER AND STEAM 11B27P1



Brass ball valves for water and steam 11B27P1 are intended for installation in pipelines as a shut-off device for water and steam.



Body part material – LS59-1 brass under GOST 15527-2004. Ball clack material – brass LS59-1 under GOST 15527-2004 with H9X coating.

The valve is operated using the "lever" or "butterfly" handle made of AK-7 aluminum under GOST 1583-93 coated with red epoxy polyester powder compound.

Material of ball seals and stem – PTFE.

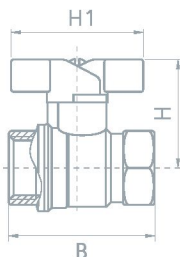
Operating pressure 2.5 MPa.

Working medium – water, steam.

Working medium temperature from +1 to +150 °C.

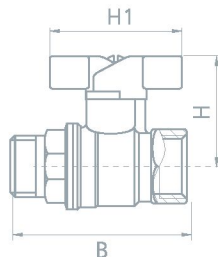
Trim leakage class – A under GOST 9544-2005.

11B27P1 A30/1



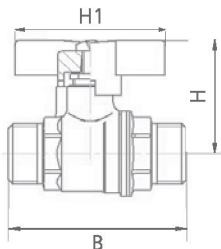
DN, mm	H, mm	B, mm	H1, mm	Quantity in pack
15	40	48	51	160 pcs
20	43	55	51	100 pcs
25	55	64	51	50 pcs

11B27P1 A31/1



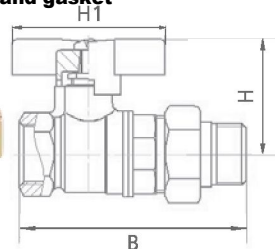
DN, mm	H, mm	B, mm	H1, mm	Quantity in pack
15	40	57	51	160 pcs
20	43	64	51	100 pcs
25	55	72	51	50 pcs

11B27P1 A32/1



DN, mm	H, mm	B, mm	H1, mm	Quantity in pack
15	40	62	51	160 pcs
20	43	65	51	100 pcs
25	55	72	51	50 pcs

11B27P1 "American" separable joint with nut and gasket

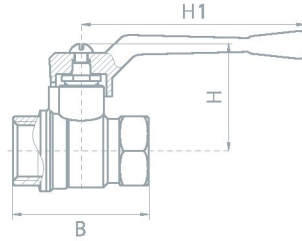


DN, mm	H, mm	B, mm	H1, mm	Quantity in pack
15	40	77	51	120 pcs
20	43	91	51	60 pcs
25	55	98	51	40 pcs



MADE IN RUSSIA

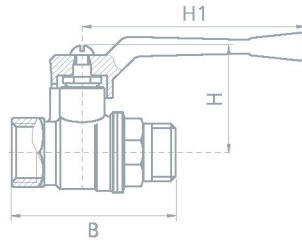
11B27P1 A30



DN, mm	H, mm	B, mm	H1, mm	Quantity in pack
15	46	48	80	160 pcs
20	49	55	80	100 pcs
25	55	64	100	50 pcs

DN, mm	H, mm	B, mm	H1, mm	Quantity in pack
32	63	77	100	25 pcs
40	78	87	160	15 pcs
50	87	103	160	10 pcs

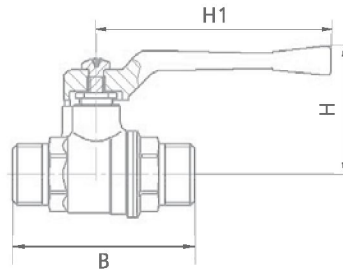
11B27P1 A31



DN, mm	H, mm	B, mm	H1, mm	Quantity in pack
15	46	57	80	160 pcs
20	49	64	80	100 pcs

DN, mm	H, mm	B, mm	H1, mm	Quantity in pack
25	55	72	100	50 pcs
32	63	80	100	35 pcs
40	78	102	160	15 pcs

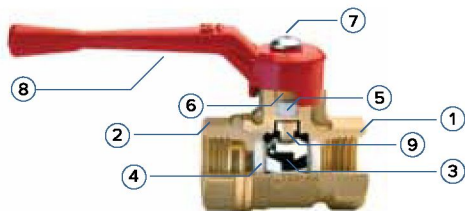
11B27P1 A32



DN, mm	H, mm	B, mm	H1, mm	Quantity in pack
15	46	62	80	160 pcs
20	49	65	80	100 pcs

DN, mm	H, mm	B, mm	H1, mm	Quantity in pack
25	55	72	100	50 pcs

TECHNICAL DATA SHEET



No.	Element	Material	Designation
1,2	Body parts	Hot die forged brass	LS59-1
3	Ball trim	Brass with nickel- or chromium-plated surface	LS59-1
4	Seat rings	PTFE	PTFE 4A TU 301-05-5-89
5	Gland seal		
6	Nut	Hot die forged brass	LS59-1
7	Handle takedown screw	Steel	Screw ISO7045-M5x8-9.8-H
8	Aluminum handle	Aluminum	AK-7 GOST 1583-93
9	Stem	Hot die forged brass	LS59-1

STANDARD DELIVERY SCOPE

The manufacturer supplies the valves pre-assembled in an open position.

Prior to dispatch of valves to the consumer, each package item is provided with operating documents under GOST 2.601-2013, including the technical data sheet combined with an operating manual and product functionality description.

The valve is operated using the "lever" or "butterfly" handle made of AK-7 aluminum under GOST 1583-93 coated with red epoxy polyester powder compound.

Handle "lever" design for valves with nominal bore DN 15, 20, 25, 32 enables turning the "lever" handle by 180° without turning the valve on the pipeline. The manufacturer reserves the right to change the design of its products.

INSTALLATION INSTRUCTIONS

Valves can be installed in any position.

According to GOST 12.2.063 cl. 3.10, valves must not take up the load from the pipeline (bending, compression, tension, torsion, skewing, vibration, pipe misalignment, uneven tightening of fasteners). If necessary, supports or suspensions shall be provided to reduce the load on the valve from the piping.

TECHNICAL SPECIFICATIONS

Body part material – LS59-1 brass under GOST 15527-2004.

Valve bore is line-size according to GOST 21345-2005.

Valve trim leakage class A under GOST 9544-2015.

Valve operation conditions – boreal climate (UHL4) under GOST 15150-69.

Valve installation position on pipe – any.

Basic technical data and specifications for the valves are shown in Table No. 1.

Characteristic	Unit of measure	Value	Designation
Trim leakage class		A	GOST 9544-2015
Mean full useful life	years	25	GOST 24856-2014
Mean time between failures	cycles	10,000	GOST 24856-2014
Maintainability		Yes	GOST R 27.002
Dy nominal diameters	inches	1/2"+2"	GOST 24856-2014; GOST 28338
Py (PN) nominal pressure	MPa	4.0	GOST 26349
Effective diameter class		line-size	GOST 21345
Connecting thread	inches	1/2"+2"	GOST 6357
Handle turning angle between end positions	degrees	90°	GOST 21345
Working medium temperature	°C	+1+150	GOST R 52720
Ambient temperature	°C	-20++60	GOST 21345
Ambient humidity	%	0+60	GOST 21345
Operation method		manual	GOST 21345

Misalignment of connected pipelines shall not exceed 3 mm at a length of up to 1 m plus 1 mm per each following meter (SP 73.13330.2012 p. 5.1.8.).

During valve installation, to avoid cracking of the valve coupling ends, valve body deformation and body-coupling joint leakage, it is advisable to use a standard spanner wrench. When screwing in the pipe into the valve, hold the valve coupling end with a wrench.

Threads on parts screwed into the valve (pipe, union) shall correspond to GOST 6357-81. 7.2 Check the valve's performance ability by turning the handle. All moving parts must act smoothly, without hitching or catching. In case of leakage of spindle gland seal, remove the handle and tighten the gland nut to the angle of 30–60°.

OPERATION AND MAINTENANCE GUIDELINES

Ball valve diameter shall be selected based on design concept, i.e. equal to the pipe diameter.

Valve installation in the pipeline with threaded connection shall be performed using a standard adjusting key or pipe tongs, with the valve in fully open position. After valve installation, check its performance ability by turning the handle to the end "closed/opened" position.

Prior to the beginning of operation, purge the pipeline with air to remove scale and dirt. Normally the valve does not require any additional care during operation.

STORAGE AND TRANSPORTATION CONDITIONS

Valves must be stored in the manufacturer's packaging in storage conditions 3 under GOST 15150.

Valve transportation must meet conditions 5 under GOST 15150. Valves can be shipped by any kind of transport according to the rules in force for the transport kind. Transportation and storage conditions shall be according to group 5 (OZh4).

SAFETY INSTRUCTIONS

To ensure safe operation it is strictly prohibited to do the following:

- perform works to eliminate faults in the presence of pressure and working medium in the pipeline;
- use valves with the parameters exceeding those stated in the table.

To exclude entry of dirt into the valve, mount the valve in a fully open position.

To exclude burnout of sealing parts, welding on piping with a mounted valve shall be performed without heating the valve.

According to GOST 12.2.063-2015 p. 9.6, valves must not take up the load from the pipeline (bending, compression, tension, uneven tightening of fasteners). If necessary, supports or suspensions shall be provided to remove the load on the valve from the piping.

Misalignment of connected pipelines shall not exceed 3 mm at a length of 1 m plus 1 mm per each following meter.

PTFE sealing material FUM or flax strand shall be used in the joint between the valve and the piping. Valve installation into the piping shall be performed by a specialist company.

WARRANTY SERVICE CONDITIONS

Product quality claims can be raised within the warranty period.

Faulty products are repaired or replaced with new ones for free during the warranty period. Service center decides whether to replace or repair the product. The replaced product or its parts submitted to the service center become the property of the service center.

Costs related to dismantling, mounting and transportation of the faulty product during the warranty period shall not be reimbursed to the Buyer. If the claim is not justified, the Buyer pays for troubleshooting and expertise of the product.

WARRANTY LIABILITY

The manufacturer guarantees conformity of the products to the requirements of specifications (TU).

Provided that the consumer fulfils the requirements of the specifications in regard to the valves storage, installation and operation, the warranty period constitutes 10 years from the date of purchase by the end consumer.

Failure of the consumer to fulfil the requirements specified in the technical data sheet entitles the manufacturer to withdraw the warranty obligations. The warranty covers all defects occurring due to the fault of the manufacturing plant. The warranty does not cover defects which occur in the following circumstances:

- failure to comply with the storage, installation, operation and maintenance requirements specified in the technical data sheet;
- improper transportation or cargo handling;
- presence of traces of exposure to substances that are aggressive to product materials;
- presence of damage caused by fire, forces of nature, or force-majeure circumstances;
- damage caused by incorrect actions of the consumer;
- presence of traces of unauthorized alteration of the product.

The manufacturer reserves the right to change the product's design without impact on the declared technical specifications.

Declaration of conformity to requirements of TR CU 010/2011, declaration scheme 5d: EAEU No. RU Д-РУ. HA10.B.00710, declaration registration date: 15.06.2018. Valid until 14.06.2023.

Declaration of conformity to requirements of TR CU 032/2013: EAEU No. RU Д-РУ.HA10.B.01126, declaration registration date: 02.08.2018. Valid until 01.08.2023.

Expert conclusion of conformity to the unified sanitary, epidemiological and hygienic requirements for goods subject to sanitary and epidemiological supervision No. 564, registration number 3398 dd. 11.07.2018.

Voluntary conformity certificate No. POCC RU.HA10.H00919. Valid from 12.10.2018 to 11.10.2021.

BRASS BALL VALVES FOR NATURAL GAS 11B27P



Brass ball valves for natural gas 11B27P are intended for installation in pipelines as a shut-off device for natural gas.



Body part material – LS59-1 brass under GOST 15527-2004. Ball lock material – brass LS59-1 under GOST 15527-2004 with H9X coating.

The valve is operated using the “lever” or “butterfly” handle made of AK-7 aluminum under GOST 1583-93 coated with yellow epoxy polyester powder compound.

Material of ball seals and stem – PTFE.

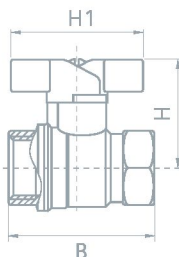
Operating pressure 2.5 MPa.

Working medium – natural gas.

Working medium temperature from -60 to +50 °C.

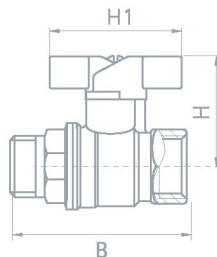
Trim leakage class – A under GOST 9544-2005.

11B27P A10/1



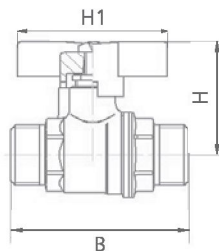
DN, mm	H, mm	B, mm	H1, mm	Quantity in pack
15	40	48	51	160 pcs
20	43	55	51	100 pcs
25	55	64	51	50 pcs

11B27P A11/1

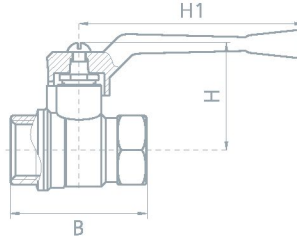


DN, mm	H, mm	B, mm	H1, mm	Quantity in pack
15	40	57	51	160 pcs
20	43	64	51	100 pcs
25	55	72	51	50 pcs

11B27P A12/1

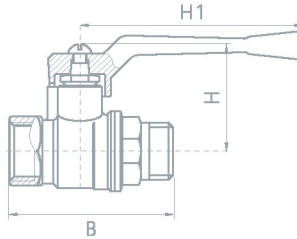


DN, mm	H, mm	B, mm	H1, mm	Quantity in pack
15	40	62	51	160 pcs
20	43	65	51	100 pcs
25	55	72	51	50 pcs

**11B27P A10**

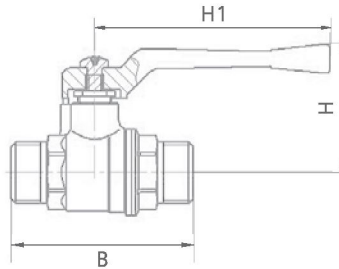
DN, mm	H, mm	B, mm	H1, mm	Quantity in pack
15	46	48	80	160 pcs
20	49	55	80	100 pcs
25	55	64	100	50 pcs

DN, mm	H, mm	B, mm	H1, mm	Quantity in pack
32	63	77	100	35 pcs
40	78	87	160	15 pcs
50	87	103	160	10 pcs

11B27P A11

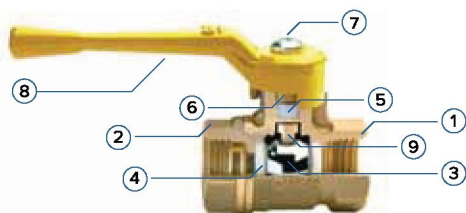
DN, mm	H, mm	B, mm	H1, mm	Quantity in pack
15	46	57	80	160 pcs
20	49	64	80	100 pcs

DN, mm	H, mm	B, mm	H1, mm	Quantity in pack
25	55	72	100	50 pcs
32	63	80	100	35 pcs

11B27P A12

DN, mm	H, mm	B, mm	H1, mm	Quantity in pack
15	46	62	80	160 pcs
20	49	65	80	100 pcs

DN, mm	H, mm	B, mm	H1, mm	Quantity in pack
25	55	72	100	50 pcs



No.	Element	Material	Designation
1,2	Body parts	Hot die forged brass	LS59-1
3	Ball trim	Brass with nickel- or chromium-plated surface	LS59-1
4	Seat rings	PTFE	PTFE 4A TU 301-05-5-89
5	Gland seal		
6	Nut	Hot die forged brass	LS59-1
7	Handle takedown screw	Steel	Screw ISO7045-M5x8-9.8-H
8	Aluminum handle	Aluminum	AK-7 GOST 1583-93
9	Stem	Hot die forged brass	LS59-1

STANDARD DELIVERY SCOPE

The manufacturer supplies the valves pre-assembled in an open position.

Prior to dispatch of valves to the consumer, each packed item is provided with operating documents under GOST 2.601-2013, including the technical data sheet combined with an operating manual and product functionality description.

The valve is operated using the "lever" or "butterfly" handle made of AK-7 aluminum under GOST 1583-93 coated with red epoxy polyester powder compound.

Handle "lever" design for valves with nominal bore DN 15, 20, 25, 32 enables turning the "lever" handle by 180° without turning the valve on the pipeline. The manufacturer reserves the right to change the design of its products.

INSTALLATION INSTRUCTIONS

Valves can be installed in any position.

According to GOST 12.2.063 p. 3.10, valves must not take up the load from the pipeline (bending, compression, tension, torsion, skewing, vibration, pipe misalignment, uneven tightening of fasteners). If necessary, supports or suspensions shall be provided to reduce the load on the valve from the piping.

TECHNICAL SPECIFICATIONS

Body part material – LS59-1 brass under GOST 15527-2004.

Valve bore is line-size according to GOST 21345-2005.

Valve trim leakage class A under GOST 9544-2015.

Valve operation conditions – boreal climate (UHL4) under GOST 15150-69.

Valve installation position on pipe – any.

Basic technical data and specifications for the valves are shown in Table No. 1.

Characteristic	Unit of measure	Value	Designation
Trim leakage class		A	GOST 9544-2015
Mean full useful life	years	25	GOST 24856-2014
Mean time between failure	cycles	10,000	GOST 24856-2014
Maintainability		Yes	GOST R 27.002
Dy nominal diameters	inches	1/2"+2"	GOST 24856-2014; GOST 28338
Py (PN) nominal pressure	MPa	4.0	GOST 26349
Effective diameter class		line-size	GOST 21345
Connecting thread	inches	1/2"+2"	GOST 6357
Handle turning angle between end positions	degrees	90'	GOST 21345
Working medium temperature	°C	+1+150	GOST R 52720
Ambient temperature	°C	-20++60	GOST 21345
Ambient humidity	%	0+60	GOST 21345
Operation method		manual	GOST 21345

Misalignment of connected pipelines shall not exceed 3 mm at a length of up to 1 m plus 1 mm per each following meter (SP 73.13330.2012 p. 5.1.8.).

During valve installation, to avoid cracking of the valve coupling ends, valve body deformation and body-coupling joint leakage, it is advisable to use a standard spanner wrench. When screwing in the pipe into the valve, hold the valve coupling end with a wrench.

Threads on parts screwed into the valve (pipe, union) shall correspond to GOST 6357-81. 7.2 Check the valve's performance ability by turning the handle. All moving parts must act smoothly, without hitching or catching. In case of leakage of spindle gland seal, remove the handle and tighten the gland nut to the angle of 30–60°.

OPERATION AND MAINTENANCE GUIDELINES

Ball valve diameter shall be selected based on design concept, i.e. equal to the pipe diameter.

Valve installation in the pipeline with threaded connection shall be performed using a standard adjusting key or pipe tongs, with the valve in fully open position. After valve installation, check its performance ability by turning the handle to the end "closed/opened" position.

Prior to the beginning of operation, purge the pipeline with air to remove scale and dirt. Normally the valve does not require any additional care during operation.

STORAGE AND TRANSPORTATION CONDITIONS

Valves must be stored in the manufacturer's packaging in storage conditions 3 under GOST 15150.

Valve transportation must meet conditions 5 under GOST 15150. Valves can be shipped by any kind of transport according to the rules in force for the transport kind. Transportation and storage conditions shall be according to group 5 (OZh4).

SAFETY INSTRUCTIONS

To ensure safe operation it is strictly prohibited to do the following:

- perform works to eliminate faults in the presence of pressure and working medium in the pipeline;
- use valves with the parameters exceeding those stated in the table.

To exclude entry of dirt into the valve, mount the valve in a fully open position.

To exclude burnout of sealing parts, welding on piping with a mounted valve shall be performed without heating the valve.

According to GOST 12.2.063-2015 p. 9.6, valves must not take up the load from the pipeline (bending, compression, tension, uneven tightening of fasteners). If necessary, supports or suspensions shall be provided to remove the load on the valve from the piping.

Misalignment of connected pipelines shall not exceed 3 mm at a length of 1 m plus 1 mm per each following meter.

PTFE sealing material FUM or flax strand shall be used in the joint between the valve and the piping. Valve installation into the piping shall be performed by a specialist company.

WARRANTY SERVICE CONDITIONS

Product quality claims can be raised within the warranty period.

Faulty products are repaired or replaced with new ones for free during the warranty period. Service center decides whether to replace or repair the product. The replaced product or its parts submitted to the service center become the property of the service center.

Costs related to dismantling, mounting and transportation of the faulty product during the warranty period shall not be reimbursed to the Buyer. If the claim is not justified, the Buyer pays for troubleshooting and expertise of the product.

WARRANTY LIABILITY

The manufacturer guarantees conformity of the products to the requirements of specifications (TU).

Provided that the consumer fulfils the requirements of the specifications in regard to the valves storage, installation and operation, the warranty period constitutes 10 years from the date of purchase by the end consumer.

Failure of the consumer to fulfil the requirements specified in the technical data sheet entitles the manufacturer to withdraw the warranty obligations. The warranty covers all defects occurring due to the fault of the manufacturing plant. The warranty does not cover defects which occur in the following circumstances:

- failure to comply with the storage, installation, operation and maintenance requirements specified in the technical data sheet;
- improper transportation or cargo handling;
- presence of traces of exposure to substances that are aggressive to product materials;
- presence of damage caused by fire, forces of nature, or force-majeure circumstances;
- damage caused by incorrect actions of the consumer;
- presence of traces of unauthorized alteration of the product.

The manufacturer reserves the right to change the product's design without impact on the declared technical specifications.

Declaration of conformity to requirements of TR CU 010/2011, declaration scheme 5d: EAEU No. RU Д-РУ. HA10.B.00710, declaration registration date: 15.06.2018. Valid until 14.06.2023.

Declaration of conformity to requirements of TR CU 032/2013: EAEU No. RU Д-РУ.HA10.B.01126, declaration registration date: 02.08.2018. Valid until 01.08.2023.

Expert conclusion of conformity to the unified sanitary, epidemiological and hygienic requirements for goods subject to sanitary and epidemiological supervision No. 564, registration number 3398 dd. 11.07.2018.

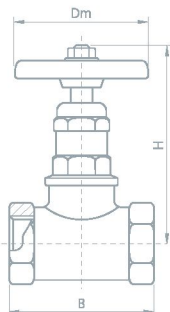
Voluntary conformity certificate No. POCC RU.HA10.H00919. Valid from 12.10.2018 to 11.10.2021.

BRASS SHUT-OFF COUPLED VALVES



Brass shut-off coupled valves 15BZR are intended for installation in pipelines as a shut-off device for water.

15BZR



Body part material – LS59-1 brass under GOST 15527-2004. Seal is made of food-grade rubber 2534143203 GOST 17133-83.

The valve is operated using a handwheel made of AK-7 aluminum under GOST 1583-93 coated with blue epoxy polyester powder compound.

Stem seal material is PTFE.

Operating pressure 2.5 MPa.

Working medium – water.

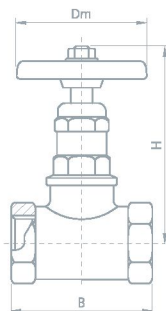
Working medium temperature from +1 to +70 °C.

Trim leakage class – C under GOST 9544-2005.

DN, mm	H, mm	B, mm	Dm, mm	Quantity in pack
15	72	55	50	100 pcs
20	72	65	50	80 pcs
25	80	80	50	40 pcs

DN, mm	H, mm	B, mm	Dm, mm	Quantity in pack
32	86	95	65	25 pcs
40	118	110	80	15 pcs
50	118	132	80	10 pcs

15BZR/E with decreased construction length



DN, mm	H, mm	B, mm	Dm, mm	Quantity in pack
15	67	48	45	100 pcs
20	69	57	45	80 pcs

15BZR A52 fire angle valve 90 deg.



DN, mm	H, mm	B, mm	Dm, mm	Quantity in pack
50	161	105	45	10 pcs



MADE IN RUSSIA

Brass shut-off coupled valves 15B1P are intended for installation in pipelines as a shut-off device for water and steam.

15B1P



Body part material – LS59-1 brass under GOST 15527-2004. Seal is made of sheet material BR3 TU 2577-007-00149392-95.

The valve is operated using a handwheel made of AK-7 aluminum under GOST 1583-93 coated with red epoxy polyester powder compound.

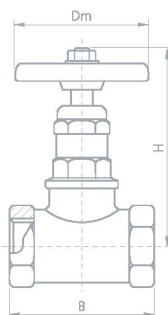
Stem seal material is PTFE.

Operating pressure 2.5 MPa.

Working medium – water, steam.

Working medium temperature from +1 to +200 °C.

Trim leakage class – C under GOST 9544-2005.

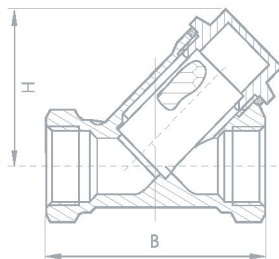
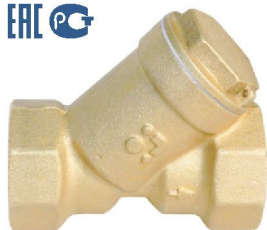


DN, mm	H, mm	B, mm	Dm, mm	Quantity in pack
15	72	55	50	100 pcs
20	72	65	50	80 pcs
25	80	80	50	40 pcs
32	86	95	65	25 pcs
40	118	110	80	15 pcs
50	118	132	80	10 pcs

BRASS STRAINERS



Brass strainers are intended for installation in pipelines as water pre-treatment filters.



Body parts material – LS59-1 under GOST 15527-2004 or LTs40SD under GOST 17711-93, screen material – steel 12X18H9T under GOST 3826-82, gas filter cap is fitted with a ferrite magnet under GOST 24936-89.

Operating pressure 2.5 MPa.

Working medium – water.

Filtering capacity 500 µm.

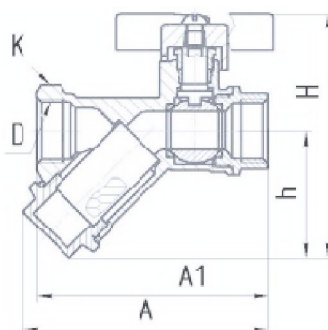
Working medium temperature from +1 to +150 °C.

DN, mm	H, mm	B, mm	Quantity in pack	DN, mm	H, mm	B, mm	Quantity in pack
15	40	60	150 pcs	32	66	90	40 pcs
20	51	70	80 pcs	40	72	100	25 pcs
25	51	75	60 pcs	50	95	120	15 pcs

BRASS COUPLED FILTERING BALL VALVES



Brass coupled filtering ball valves are intended for use as shut-off equipment in household and potable water pipelines and process pipelines, and for pre-treatment of hot and cold water.



Body part material – LS59-1 brass under GOST 15527- 2004. Filter screen material – stainless steel 12X18H9T under GOST 3826-82.

Operating pressure 2.5 MPa.

Working medium – water.

Filtering capacity 500 µm.

Working medium temperature up to +100 °C

DN, mm	H, mm	B, mm	Quantity in pack
15	42	82	150 pcs
20	49	93	80 pcs