'BaltPromArmatura' LTD

About Company

The society with limited liability ‘BALTPROMARMATURA’ has been formed in 2000 owing to reorganization of Joint Stock Company ‘Znamya Tryda’, which history has started as the Valve Plant ‘Langenzipen & Co’ from 1878 in Saint-Petersburg, Russia.
‘BALTPROMARMATURA’ Ltd since 2001 is a part of the St.-Petersburg Commercial and Industrial Chamber.
‘BALTPROMARMATURA’ Ltd is major Russian engineer, producer and distributor of industrial pipeline valves.
Manufacture:

- pinch valves
- bellows and lined valves
- check valves
- ball valves
- three-way valves
- pneumo valves
- globe valves
- protection cups for pipeline valves

Our valves are suitable for: abrasive, corrosive fluids, gas, steam, chemical and petrochemical products, pulp, suspension, waste water, mine slurries, cement, pulp stock, powder, pellets, organic and inorganic acids, chlorine, sewage, drinking water, paper pulp, viscous and granular materials.
Our valves are widely used in many fields: chemical water treatment at Heat and Power Plants, neutralization stations of chemical and galvanic production facilities, sewage treatment plants of the water recirculating systems of works, food, glass, metal, pharmaceutical, water, waste treatment, power, conveying, mining, paint, chemical, pulp & paper industries, agriculture and municipal economy.
BALTPROMARMATURA’s valves covered by certificates of conformance with Gosstandart of the Russian Federation (Standard Control State Organization), Rostechnadzor (State Board of Technical Inspection) to usage of valves for industries connected with handling and (or) storing of highly explosive, fire dangerous, aggressive, toxic and chlorinated substances and compounds, hygiene and sanitary certificates for using at water supply systems.
Science 2001 into the ‘BALTPROMARMATURA’ Ltd has been functioning System of Quality Management, which is certificated on conformity to requirements ISO 9001 by the organization of system quality certification ‘Test–S.-Petersburg’.
Our system of a quality management has following certificates:
- Certificate of Conformity by GOST R System of Certification;
- Certificate of Conformity ‘IQNet’ - the certificate of conformity on behalf of the International Network on certification CMK, which partner is ‘Test–S.-Petersburg’;
- Certificate of the Conformity which have been given out under accreditation of a member of the International Forum on accreditation (IAF) of the Italian association on accreditation ACCREDIA.

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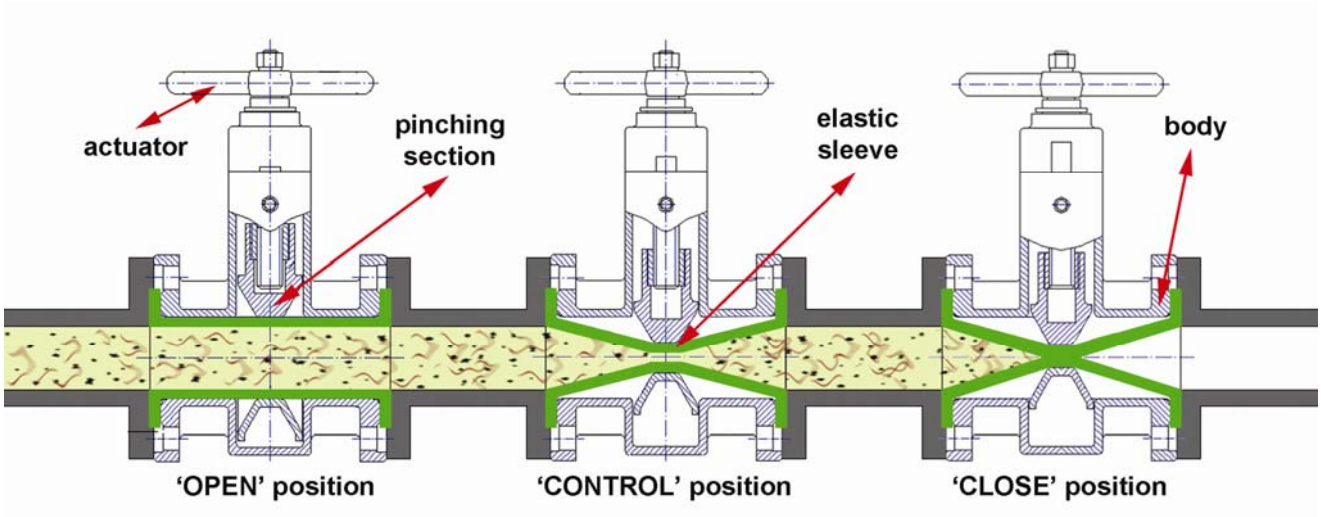
Pinch valve's principle of operation.

At the close of the valve occurs a pinching of elastic sleeve, thereby damming flow. Opening/closing of the valve realizing by different types of the actuators: manual, pneumatic and electric.



Some of the Pinch Valve's design advantages, as compared with traditional types of the pipeline valves.

- ♦ Lifetime is no less than 30 years.
- ♦ Full tight shut-off during all period of operation, even with transportation a hard duty media.
- ♦ Total body insulation from medium.
- ♦ Valve with nominal pressure 1,6 MPa (16 kgf/cm^2) has: full sealed Body, 'OPEN/CLOSE' position Indicator, sleeve technical condition Sensor.
- ♦ During all periods of operation sleeve changing is only servicing of valve.
- ♦ No necessity of the skill intake for complete repair of valve efficiency.
- ♦ Suitable for food, aggressive, abrasive, pulpy, slurry medium and drinking water.
- ♦ Absolutely no clogging and no stagnation.
- ♦ Minimum flow resistance.
- ♦ Possibility of positive open valve's design manufacturing.
- ♦ The face-to-face length fit with the similar valves length.

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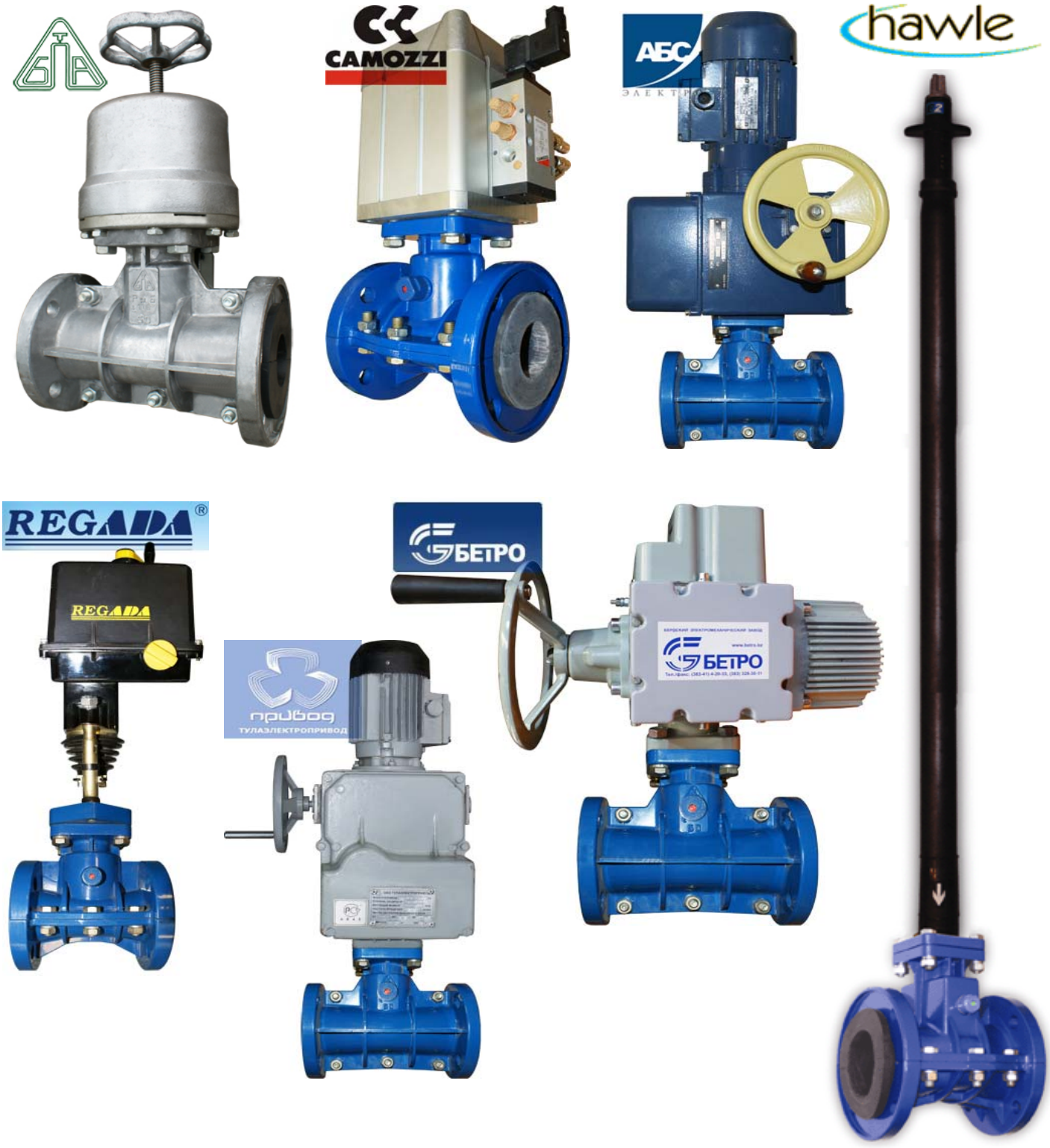
Pinch Valve's Component Parts



The Pinch Valves could be equipped with mating flanges, electric actuators from 'Tylaelectroprivod', 'Cheboksar Electronics & Mechanics Plant', 'BETRO', 'Regada', pneumatic actuators from 'BaltPromArmatura' ltd., 'Camozzi' and an extendable stem for buried application from 'HAWLE'.

Examples of Pinch Valves application at pipelines with PN to 1,6 MPa, T up to 150° C.

Pinch valves application with the following working media	Examples of Pinch valves application into technological systems (plants)	Comment
Drinking water	Cold and hot water supply systems, including boreholes water use.	Pinch valves are used as stop and control devices for pipelines with working parameters PN 1,5 MPa and T to 150°C. Pinch valves in its closed position guarantee leakproofness with pressure range from vacuum 10^{-2} mm. mercury to 1,6 MPa. For sleeve manufacture is used the resin mix, based on following caoutchoucs: – Isoprene; – Butadiene-nitrile; – Ethylene-propylene; – Urethane; – Fluoroelastomer; – Organosilicon; and Polyurethane. Sleeve material is according to customer's request in compliance with special characteristics of the working media.
Industrial water	Process and reused water supply systems; heavily polluted water with solid particles, oil products remains, industrial waste; chemical water preparation systems, reagent systems; water inlet systems.	
Waste water	Domestic, storm, process sewage.	
Food media	Transportation and dispensation systems of forage, flour, grain crop, grease, technological masses, spirits and spirit-based solutions, pastes, syrups, jelly-like masses.	
Oil products	Transportation systems, filling lines for black oil, gasoline, diesel oil, mineral and hydraulic oils, oily slurries and suspensions including solid particles.	
Pulpy media	Transportation systems for corrosive and abrasive pulps, slurries, acid and alkali solutions with solid particles, cement, sand, drilling solutions, argil, hydro- transportation pipelines.	
Corrosive media	Technological pipelines for organic and inorganic acids, alkali, salts, condensates, electrolytes, technical spirits, chemical water preparation systems of boiler-rooms and manufacturing processes, reagent systems, animals and birds vital activity and manure waste disposal systems.	
Gaseous media	Compressed air and pneumatic transportation systems, gas-purifying stations, sandblasting machines.	

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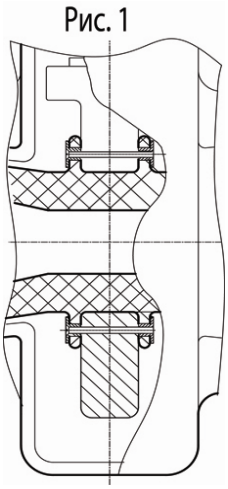
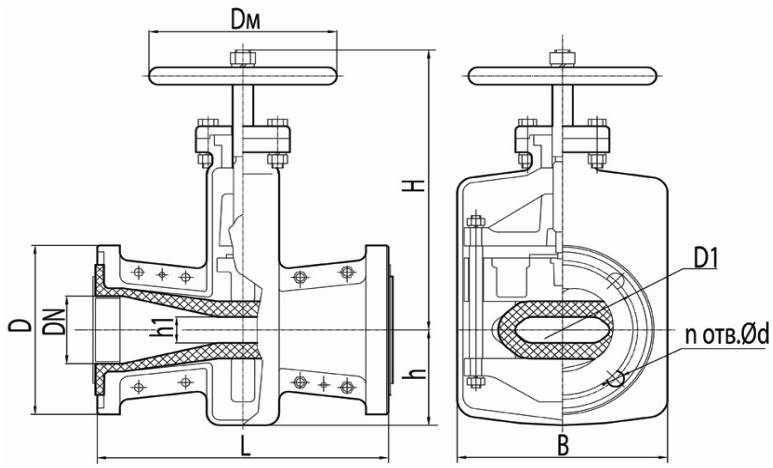
Pinch Valve, 33a17r, P98036

Рис. 1





Nominal bore, mm.	DN	50	80	100	125	150	200
Face-to-face length, mm.	L	230	310	350	400	480	600
Height above axis, mm.	H	234	309	428	430	530	530
Height under centerline, mm.	h	82	110	143	150	200	204
Flow passage, mm.	h1	25	40	60	60	100	92
Flange diameter, mm.	D	160	195	215	245	280	335
Diameter of connecting hole, mm.	d	18	18	18	18	23	23
Number of holes	n	4	4	8	8	8	8
Center to center, mm.	D1	125	160	180	210	240	295
Width, mm.	B	180	224	310	336	400	484
Diameter of handwheel, mm.	Dм	160	200	280	280	450	450
Weight, kg.	G	8	13	25,5	28,5	51,5	69

Note: The version with sleeve positive opening (pic.1) use with pressure P_{work} PN up to 0,2 MPa (2 kgf/cm^2).

Version - normal, export, tropical. Nominal pressure PN - 0,6 MPa (6 kgf/cm^2).
Connection to the pipeline - flanges.Sizes of flanges of the pipeline - in accordance with State Standard.
Direction of working medium - bilateral. Working position of the valve - any. Body material - aluminium.
Working medium: liquid medium for water supply and sewerage systems, not aggressive and aggressive, pulps, liquid and viscous media, mineral oils and petroleum products.
Low flow resistance factor for DN 50, 80, 100, 125 - 0.6, for DN 150, 200 - 0.4. Full tight shut - off.

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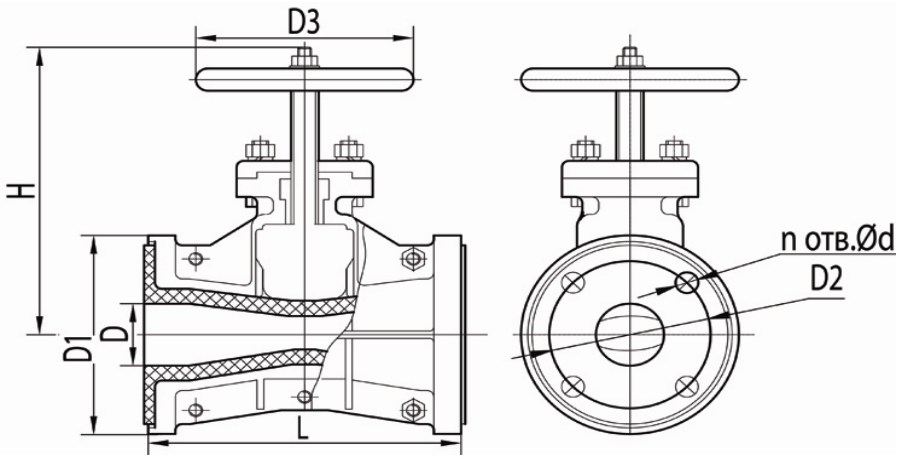
Pinch Valve, 33a23r, P98049



Nominal Bore, DN mm	Dimensions, mm								Weight, kg
	D	D1	D2	D3	L	H	d	n	
50	50	160	125	160	230	232	18	4	6,3
80	80	195	160	160	310	280	18	4	8,8

Note: The version with sleeve positive opening use with pressure P_{work} PN up to 0,2 MPa (2 kgf/cm^2).

This pinch valve keeps all technical parameters of the product line.

Direction of working medium - any.
Full tight shut - off.
Nominal pressure, PN - 0,6 MPa. (6 kgf/cm^2)
Working medium: liquid medium for water supply and sewerage systems, not aggressive and aggressive, pulps, liquid and viscous media, mineral oils and petroleum products.
Version - normal, export, tropical.
Body material - aluminium.
Working position of the valve - any.
Low flow resistance factor - 0,6
Connection - flanges.

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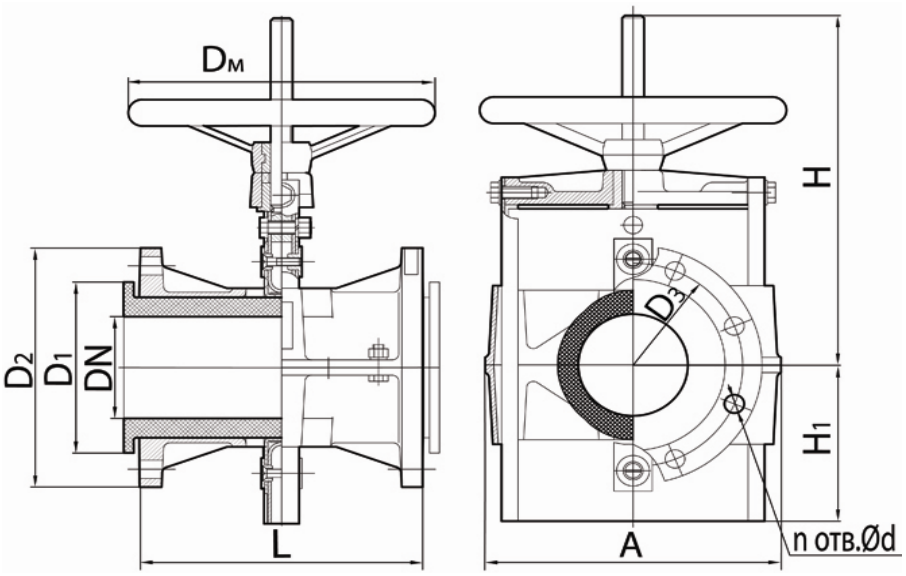
Full Bore Pinch Valve, 33a1r, BPA98014

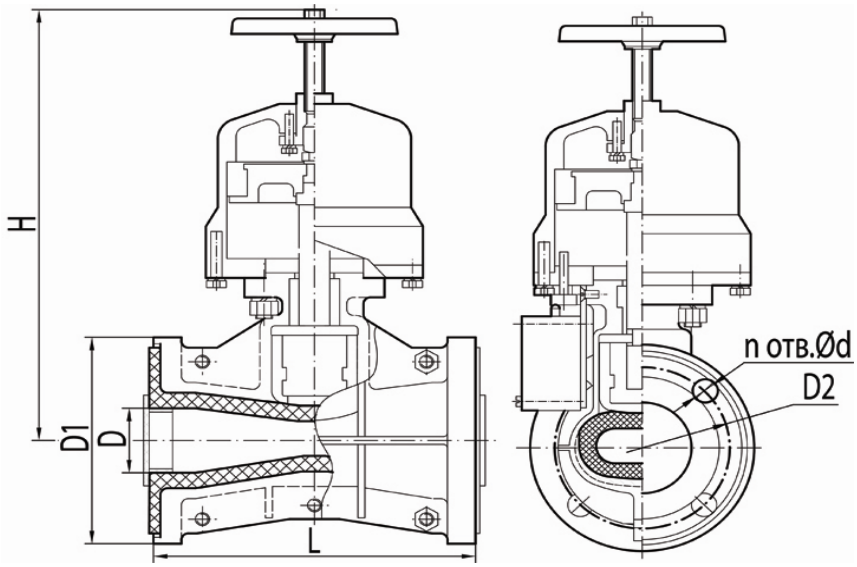


Nominal bore, mm	Dimensions, mm										Weihgt, kg
	D1	D2	D3	H	H1	L	A	Dм	d	n	
100	168	235	200	343,5	153,5	260	270	280	18	8	15
150	225	290	255	439	194	310	355	280	18	8	23

Nominal pressure, PN – 0,6 MPa (6 kgf/cm^2).
Connection – flanges.
Working medium: pulp, friable, liquid weakly aggressive and aggressive media with temperature up to 100^{O}C.
Direction of working medium - any.
Full tight shut - off.
Low flow resistance factor - 0,1.
Working position of valve - any.
Version - normal, export, tropical.
Body material - aluminum.

'BaltPromArmatura' LTD

Pinch Valve with Pneumatic Actuator, 33a624r, P98050



Nominal Bore, mm DN	Dimensions, mm							Weight, kg
	D	D1	D2	L	H	d	n	
50	50	160	125	230	335	18	4	10
80	80	195	160	310	465	18	4	15

Note: The version with sleeve positive opening use with pressure P_{work} PN up to 0,2 MPa (2 kgf/cm^2).

Nominal pressure, PN - 0,6 MPa (6 kgf/cm^2)

Connection - flanges.

Working medium: liquid medium for water supply and sewerage systems, not aggressive and aggressive, pulps, liquid and viscous media, mineral oils and petroleum products.

Direction of working medium - any.

Full tight shut - off.

Low flow resistance factor - 0,6.

Working valve's position - actuator up.

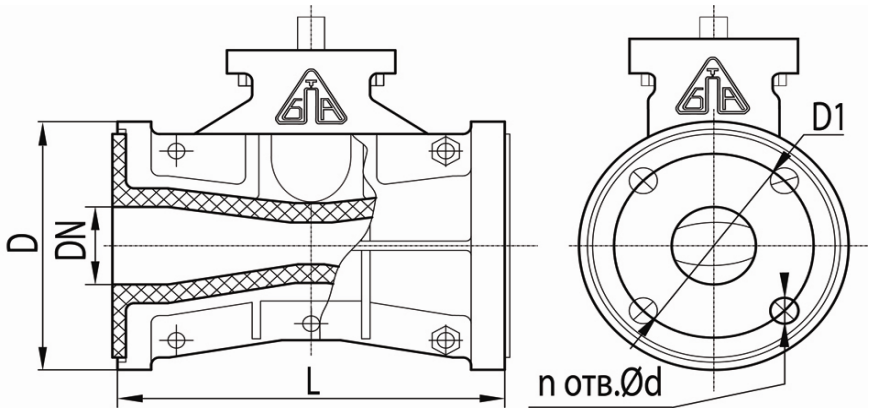
Pressure of operate air at pneumatic actuator, P_{oper} 0,5 - 0,6 Mpa (5 - 6 kgf/cm^2).

Version - normal, export, tropical.

Body material - aluminium.

'BaltPromArmatura' LTD

Pinch Valve meant for Electric Actuator, 33a921r, P98044



Nominal Bore, mm DN	Dimensions, mm					Weight, kg
	D	D1	L	d	n	
50	160	125	230	18	4	6
80	195	160	310	18	4	9

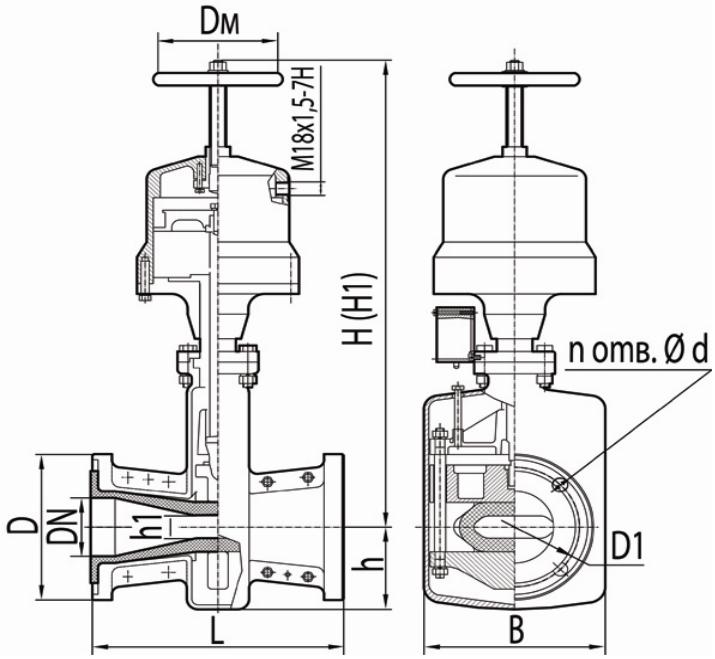
Note: The version with sleeve positive opening use with pressure P_{work} PN up to 0,2 MPa (2 kgf/cm^2).

Nominal pressure, PN - 0,6 MPa. (6 kgf/cm^2).
Connection - flanges.
Working medium: liquid medium for water supply and sewerage systems, not aggressive and aggressive, pulps, liquid and viscous media, mineral oils and petroleum products.
Direction of working medium - any.
Full tight shut - off.
Low flow resistance factor - 0,6.
Valve working position - any with additional supporting pier for actuator, except position with actuator down.
Normal, Explosionproof types of electric actuator available.
Version - normal, export, tropical.
Body material - aluminium.

Пример записи обозначения задвижки шланговой под электропривод DN 50 при заказе:
"Задвижка шланговая под электропривод,
т/ф 33а921р, П98044-050, ТУ 26-07-381-86".

'BaltPromArmatura' LTD

Pinch Valve with Pneumatic Actuator, 33a603r, P98005M



Nominal bore, mm.	DN	50	80	100	125	150	200
Face-to-face length, mm.	L	230	310	350	400	480	600
Height above axis(opened), mm.	H	445	580	715	715	1045	1045
Height above axis(closed), mm.	H1	465	605	755	755	1105	1100
Height under centerline, mm.	h	82	110	143	150	200	204
Flow passage, mm.	h1	25	40	60	60	100	92
Flange diameter, mm.	D	160	195	215	245	280	335
Diameter of connecting hole, mm.	d	18	18	18	18	23	23
Number of holes	n	4	4	8	8	8	8
Center to center, mm.	D1	125	160	180	210	240	295
Width, mm.	B	180	224	310	336	400	484
Weight, kg.	G	13	23	43	46	87	103
Diameter of handwheel, mm.	Dм	120	160	200	280	280	280
Operate pressure of air for pneumatic actuator MPa (kgf/cm^2)	0,5...0,6 (5...6)						
Control circuits	Alternating voltage 220 V frequency 50 hertz						

Note: The version with sleeve positive opening use with pressure P_{work} PN up to 0,2 MPa (2 kgf/cm^2).

Nominal pressure PN - 0,6 MPa (6 kgf/cm2). Connection - flanges. Working position of the valve - with actuator up.
Working medium: liquid medium for water supply and sewerage systems, not aggressive and aggressive, pulps, liquid and viscous media, mineral oils and petroleum products. Sizes of flanges of the pipeline in accordance with State Standard.
Pressure of operate air at pneumatic actuator, Poper 0,5 - 0,6 Mpa (5 - 6 kgf/cm2). Direction of working medium - any.
Body material - aluminium. Hydraulic resistance factor for DN 50, 80, 100, 125 - 0.6, for DN 150, 200 - 0.4.
Full tight shut - off.

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Pinch Valve with Pneumatic Actuator, 33a619r, P98037

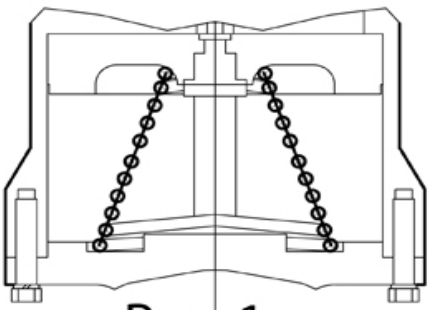


Рис. 1

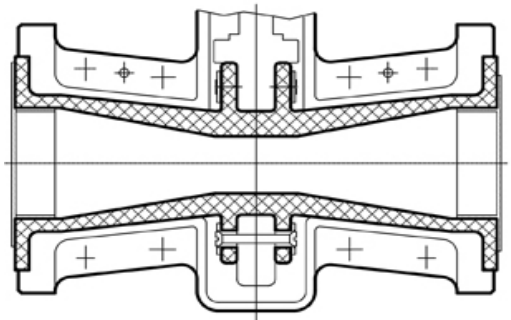
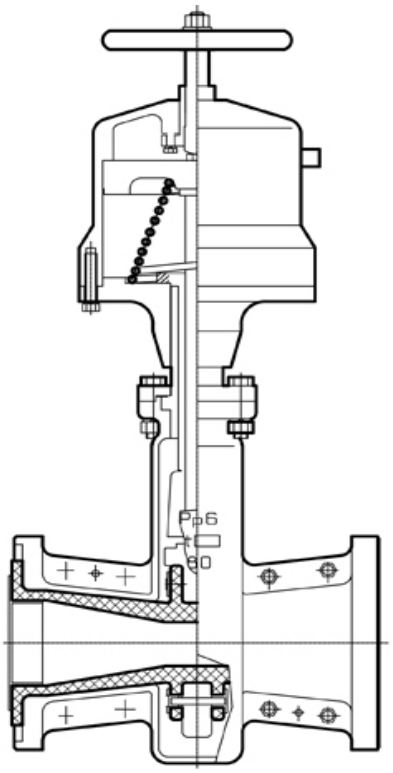


Рис. 2



This pinch valve with pneumatic actuator keeps all technical parameters of the product line and has the advanced design allowing reliability growth.

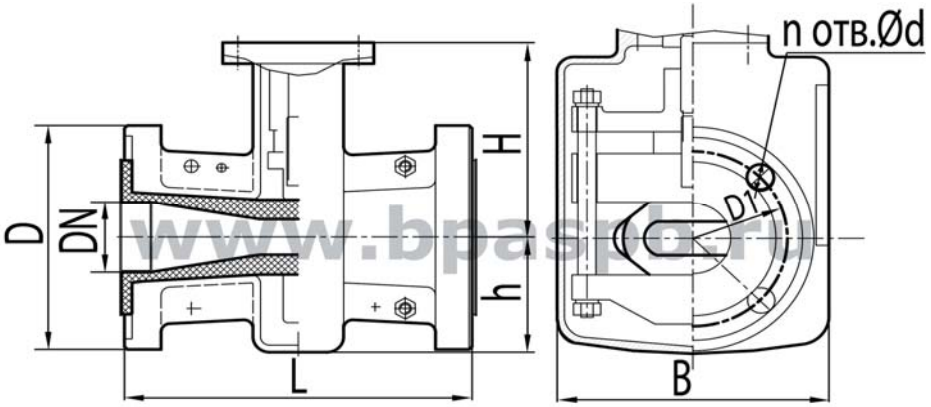
Unique design features:
- Pneumatic actuator provided with a mechanical spring (pic. 1)to open the valve.
- The sleeve is supplied with positive opening tags and unit of fastening of the tags to the cross-arms (pic. 2) to open with low pressure (0,2 MPa - 2 kgf/cm^2) in pipeline.

Nominal pressure PN - up to 0,6 MPa (6 kgf/cm^2). Connection - flanges. Full tight shut - off. Sizes of flanges of the pipeline in accordance with State Standard. Direction of working medium - any.
Working position - with actuator up. Hydraulic resistance factor for DN 50, 80, 100, 125 - 0.6, for DN 150, 200 - 0.4. Working medium: liquid medium for water supply and sewerage systems, not aggressive and aggressive, pulps, liquid and viscous media, mineral oils and petroleum products.
Operate pressure of air for pneumatic actuator MPa (kgf/cm^2) - 0,5...0,6 (5...6).
Body material - aluminium.

Weight, kg. DN 50 - 13,4; DN 80 - 23,3; DN 100 - 43,5; DN 125 - 46,5; DN 150 - 90; DN 200 - 105,5 kg.

'BaltPromArmatura' LTD

Pinch Valve meant for Electric Actuator, 33a903r, P98010M



Nominal bore, mm	DN	50	80	100	125	150	200
Face-to-face length, mm	L	230	310	350	400	480	600
Height above axis, mm	H	162	225	316	316	410	410
Height under axis, mm	h	82	110	143	150	200	204
Flange diameter, mm	D	160	195	215	245	280	335
Connecting hole diameter, mm	d	18	18	18	18	23	23
Number of holes	n	4	4	8	8	8	8
Center to center, mm	D1	125	160	180	210	240	295
Width, mm	B	180	224	310	336	400	484
Weight, kg	G	7	13	25,5	28,5	51,5	69

Note: The version with sleeve positive opening use with pressure P_{work} PN up to 0,2 MPa (2 kgf/cm^2).

Nominal pressure P_{work} - 0,6 MPa (6 kgf/cm^2).

Connection - flanges.

Sizes of flanges of the pipeline - to Russian standard.

Working medium: liquid medium for water supply and sewerage systems, not aggressive and aggressive, pulps, liquid and viscous media, pulps, liquid and viscous media, mineral oils and petroleum products.

Direction of working medium - any.

Full tight shut - off.

Hydraulic resistance factor for DN 50, 80, 100, 125 - 0.6, for DN 150, 200 - 0.4.

Valve working position - any with additional supporting pier for actuator, except position with actuator down.

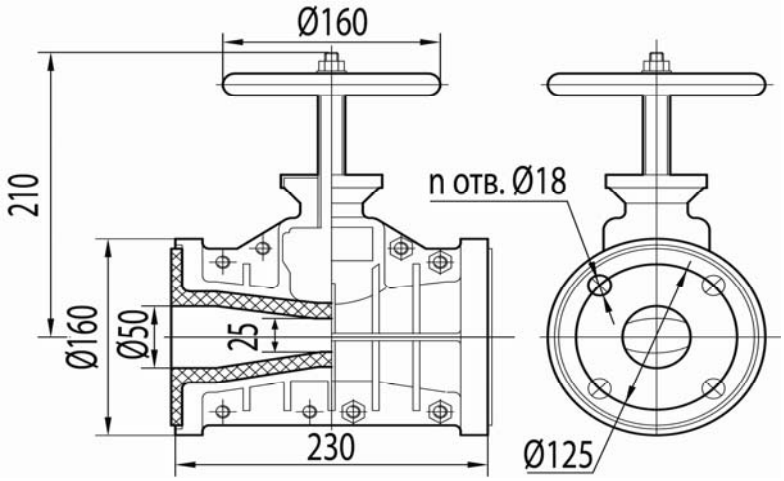
Normal, Export, Tropical valve versions available.

Normal, Explosionproof electric actuator versions available.

Body material - aluminium.

'BaltPromArmatura' LTD

Pinch Valve, 33a17r, P98036



Note: The version with sleeve positive opening use with pressure P_{work} PN up to 0,2 MPa (2 kgf/cm^2).

Nominal pressure, PN - 0,6 MPa. (6 kgf/cm^2).
Nominal Bore, mm DN - 50.
Connection - flanges.
Working medium: liquid medium for water supply and sewerage systems, not aggressive and aggressive media, mineral oils and petroleum products.
Application with other working media is permitted subject to agreement with the manufacturer.
Direction of working medium - any.
Full tight shut - off.
Low flow resistance factor - 0.6.
Working position of the valve - any.
Weight - 4,65 kg.

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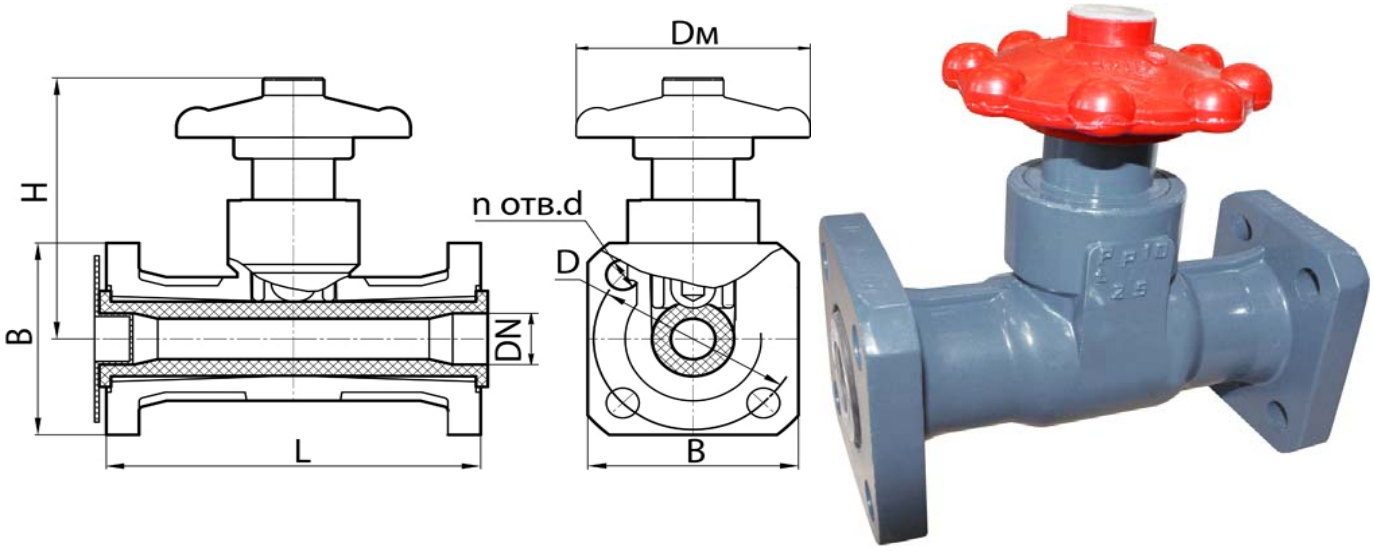
Pinch Valve with Non-rising Stem, 33a26r, BPA98003



Nominal Bore, DN mm	Dimensions, mm							Weight, kg
	L	B	D	Dм	H	d	n	
25	160	90	85	100	123	14	4	1,9
32	180	105	100	100	149	18	4	2,9

Nominal pressure, PN – up to 1 Mpa (10 kgf/cm^2).

Connection – flanges.

Working medium: liquid medium for water supply and sewerage systems, not aggressive and aggressivemedia, mineral oils and petroleum products.

Direction of working medium - bilateral.

Full tight shut - off.

Low flow resistance factor - 0,2.

Working position of the valve - any.

Full bore.

Sealed body.

Body material - aluminum.

Version - normal, export, tropical.

Mechanical indicator of sleeve's rupture availability. By the special order the valve is completed with the electromechanical (normally closed contact) indicator of sleeve's rupture (pic. 1).

'BaltPromArmatura' LTD

Pinch Valve, 33a26r, BPA98003

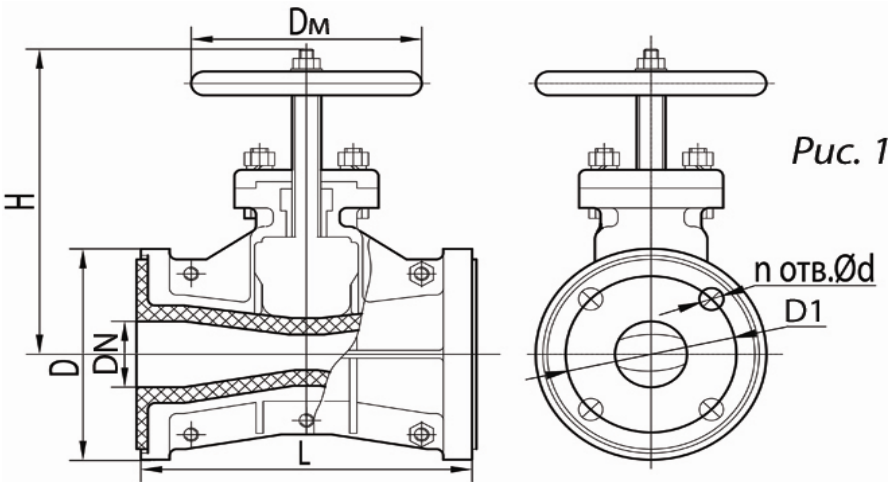


Рис. 1

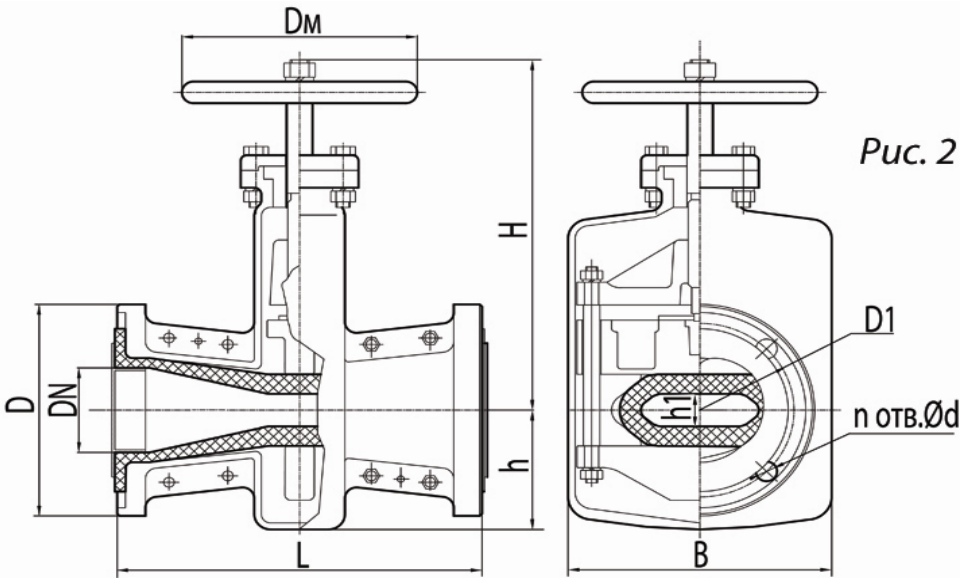


Рис. 2

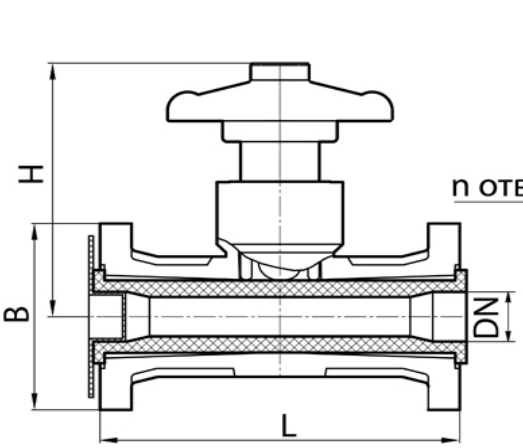
Nominal bore, DN mm	DN	50	80	100	125	150	200
Face-to-face length, mm	L	230	310	350	400	480	600
Height above axis, mm	H	232	309	428	430	578	580
Height under centerline, mm	h		110	143	150	200	204
Flow passage, mm	h1	25	40	60	60	100	92
Flange diameter, mm	D	160	195	215	245	280	335
Diameter of connecting hole, mm	d	18	18	18	18	23	23
Number of holes.	n	4	4	8	8	8	8
Center to center, mm	D1	125	160	180	210	240	295
Width, mm	B		224	310	336	400	484
Diameter of handwheel, mm	Dм	160	200	280	280	450	450
Weight, kg	G	6,3	13	25,5	28,5	51,5	69
Picture		1	2				

Note: The version with sleeve positive opening use with pressure PN up to 0,2 MPa (2 kgf/cm^2).

Nominal pressure PN 1, 0 MPa (10 kgf/cm^2). Connection to the pipeline - flanges.
Sizes of flanges of the pipeline - in accordance with State Standard.
Full tight shut - off.
Direction of working medium - any.
Working position of the valve - any.
Working medium: liquid medium for water supply and sewerage systems, not aggressive and aggressive media, mineral oils and petroleum products.
Version - normal, export, tropical.
Low flow resistance factor for DN 50, 80, 100, 125 - 0.6, for DN 150, 200 - 0.4.
Body material - aluminum.

'BaltPromArmatura' LTD

Pinch Valve with Non-rising Stem, 33a27r, BPA98000

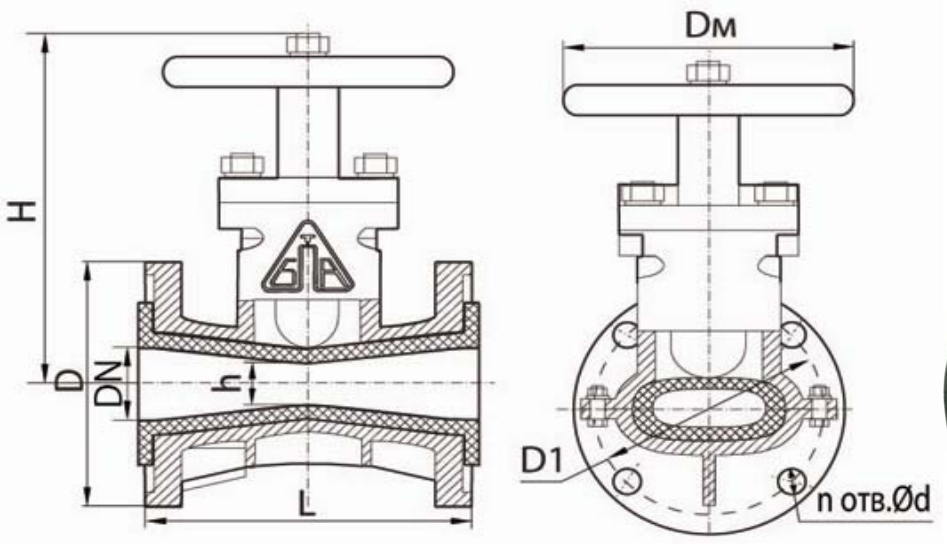


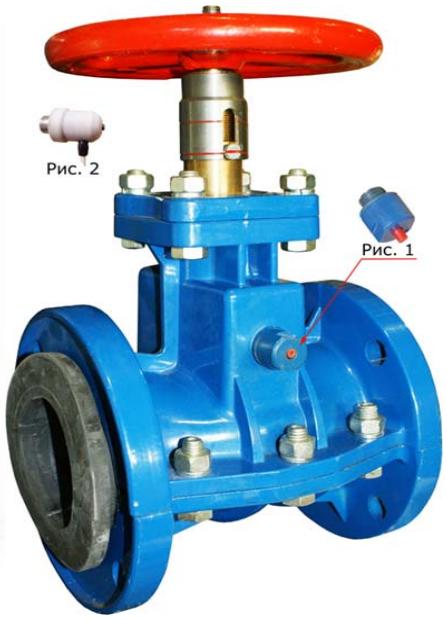
Nominal Bore, DN mm	Dimensions, mm							Weight, kg
	L	B	D	Dм	H	d	n	
25	160	90	85	100	123	14	4	1,9
32	180	105	100	100	149	18	4	2,9

Nominal pressure, PN – up to 1,6 Mpa (16 kgf/cm^2).
Connection – flanges.
Working medium: liquid medium for water supply and sewerage systems, not aggressive and aggressive media, mineral oils and petroleum products.
Direction of working medium - any.
Full tight shut - off.
Low flow resistance factor for - 0,1.
Working position - any.
Full bore.
Sealed body.
Body material - aluminum.
Mechanical indicator (pic. 1) of sleeve's rupture availability.
By the special order the valve is completed with the electromechanical (normally closed contact) indicator of sleeve's rupture (pic. 2).
Version - normal, export, tropical.

'BaltPromArmatura' LTD

Pinch Valve with Non-rising Stem, 33a29r, BPA98000



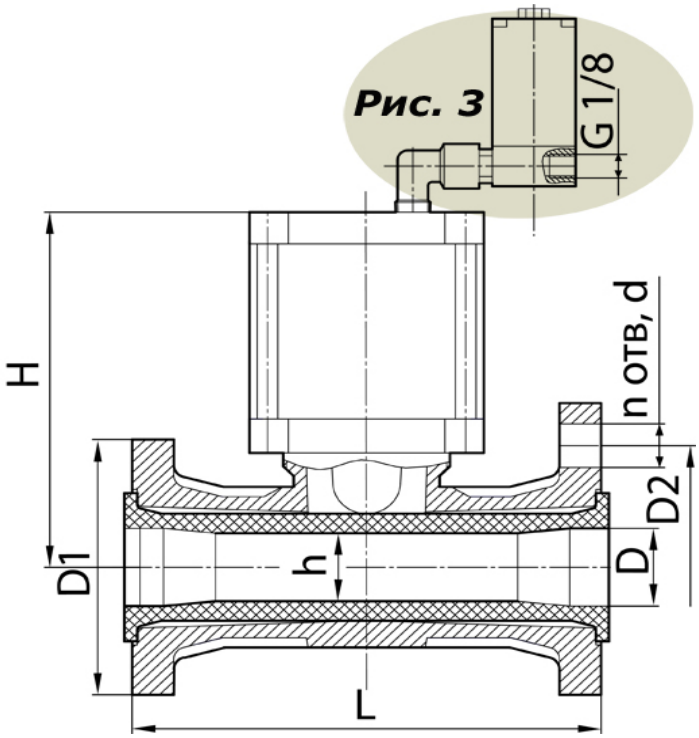


Nominal Bore, DN mm	Dimensions, mm								Weight, kg
	D	D1	Dм	L	H	h	d	n	
50	160	125	200	180	236	27	18	4	6,5
80	195	160	210	210	280	45	18	4	8,9
100	215	180	280	230	333	58	18	8	14

Nominal pressure, PN – up to 1,6 MPa (16 kgf/cm^2).
Connection – flanges.
Working medium: liquid medium for water supply and sewerage systems, not aggressive and aggressive media, mineral oils and petroleum products.
Direction of working medium - any.
Full tight shut - off.
Low flow resistance factor - 0,6.
Working position of valve - any.
Sealed body.
Body material - aluminum.
Mechanical indicator (pic. 1) of sleeve's rupture availability.
By the special order the valve is completed with the electromechanical (normally closed contact) indicator of sleeve's rupture (pic. 2).
OPEN/CLOSE posipion indicator available.
Version - normal, export, tropical.

'BaltPromArmatura' LTD

Pinch Valve with Pneumatic Actuator, 33a627r, BPA98001

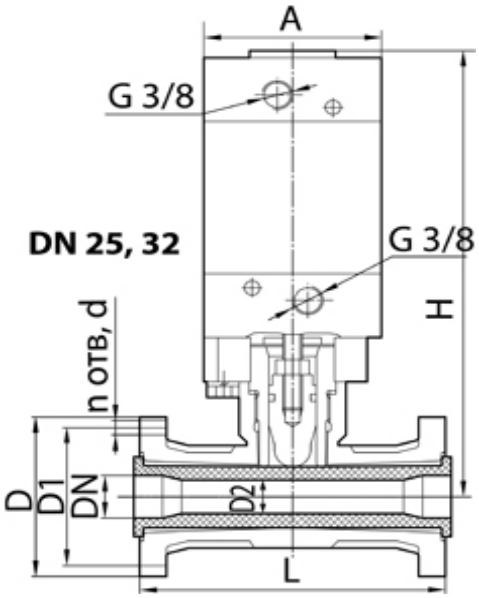


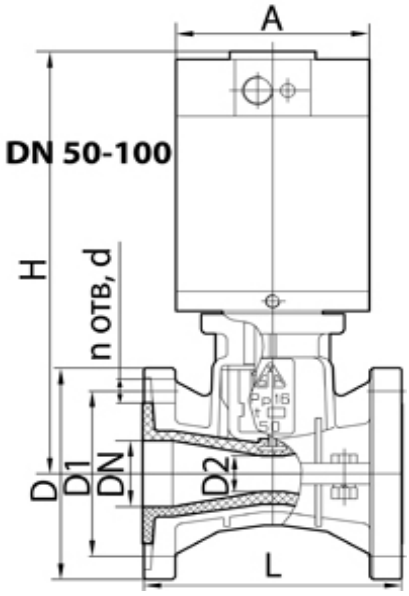
Nominal Bore, mm DN	Dimensions, mm								Weight, kg
	D	D 1	D 2	L	H	h	d	n	
25	25	☐90	85	160	123	19	14	4	3,2
32	32	☐105	100	180	140	28	18	4	3,9

Nominal pressure, PN – up to 1,6 MPa (16 kgf/cm^2).
Connection – flanges.
Low flow resistance factor - 0,1.
Working medium: liquid medium for water supply and sewerage systems, not aggressive and aggressive media, mineral oils and petroleum products.
Direction of working medium - any.
Full tight shut - off.
Working position - with actuator up.
Body material - aluminum.
Operaiting air pressure Poper 0,5-0,6 MPa (5 - 6 kgf/cm^2).
Sealed body.
Mechanical indicator (pic. 1) of sleeve's rupture availability.
By the special order the valve is completed with the electromechanical (normally closed contact) indicator of sleeve's rupture (pic. 2).
On the customer’s request the Pinch valve can be completed with the pneumatic distributing valve with the electromagnetic drive (pic. 3), supply voltage - 220 v.
Version - normal, export, tropical.

'BaltPromArmatura' LTD

Pinch Valve with Camozzi Pneumatic Actuator, 33a629r, 33a629r1, BPA98001



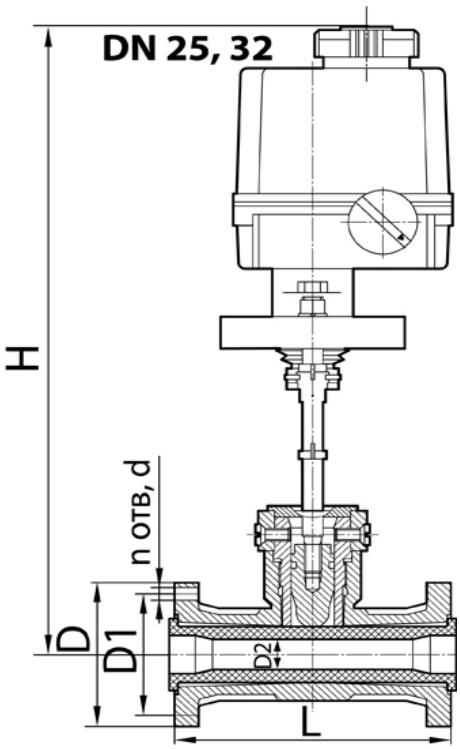


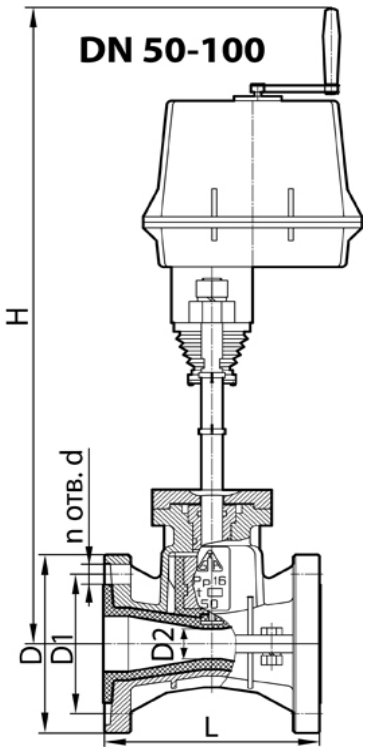
Nominal Bore, mm DN	Dimensions, mm								Weight, kg	Actuator Type	Actuator's stem force H (kgs)
	D	D 1	D 2	n	d	A	L	H			
25	□90	85	19	4	14	93	160	252	5,6	61M3P080A0030	2000 (200)
32	□105	100	28	4	18	93	180	282	6,5	61M3P080A0035	
50	160	125	27	4	18	135	180	320	13,2	61M3P125A0043-UA01	6000 (600)
80	195	160	45	4	18	135	210	507	20	61M3P125A0060N2-UA01	15000 (1500)
100	215	180	58	8	18	176	230	614	36	41M3P160A0073N2-UA01	23500 (2350)

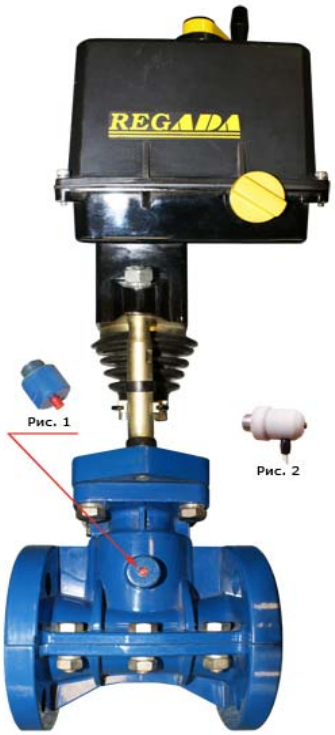
Nominal pressure, PN – up to 1,6 MPa (16 kgf/cm^2).
Connection – flanges.
Working medium: liquid medium for water supply and sewerage systems, not aggressive and aggressive media, mineral oils and petroleum products.
Direction of working medium - any.
Full tight shut - off.
Low flow resistance factor - 0,6 for DN 50; 80; 100 and - 0,2 for DN 25; 32.
Operaiting air pressure P oper 0,5-0,6 MPa (5 - 6 kgf/cm^2).
Sealed body.
Body material - aluminum.
Mechanical indicator (pic. 1) of sleeve's rupture availability.
By the special order the valve is completed with the electromechanical (normally closed contact) indicator of sleeve's rupture (pic. 2).
Version - normal, export, tropical.
Valve working position - any with additional supporting pier for actuator, except position with actuator down.

'BaltPromArmatura' LTD

Pinch Valve with Regada Electric Actuator, 33a929r, BPA98001





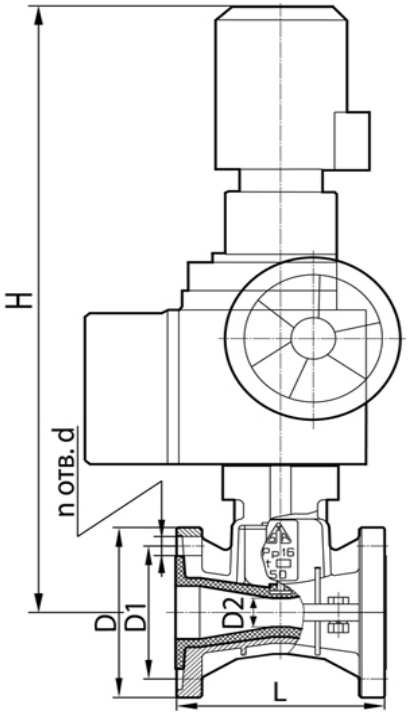


DN	Dimensions, mm							Weight, kg	Actuator type (direct operating)	Engine Power (W)	Current	
	D	D 1	D2	L	H	d	n				voltage (v)	frequency (Hz)
25	□90	85	19	160	408	14	4	5,8	ST 0.490.0-0PVAO/00	2,75	230	50
32	□105	100	28	180	433	18	4	6,9				
50	160	125	27	180	574	18	4	13	ST 0.1.498.0-0YIAM/00	15		
80	195	160	45	210	703	18	4	27,5	ST 2.492.0-9EKAK/26	90	3x400	
100	215	180	58	230	725	18	8	30,5	ST 2.492.0-9CKAK/26			

Nominal pressure, PN – up to 1,6 MPa (16 kgf/cm^2).
Connection – flanges.
Working medium: liquid medium for water supply and sewerage systems, not aggressive and aggressive media, mineral oils and petroleum products.
Direction of working medium - any.
Full tight shut - off.
Low flow resistance factor - 0,6 for DN 50-100 and - 0,2 for DN 25-32.
Sealed body.
Body material - aluminum.
Mechanical indicator (pic. 1) of sleeve's rupture availability.
By the special order the valve is completed with the electromechanical (normally closed contact) indicator of sleeve's rupture (pic. 2).
Version - normal, export, tropical.
Valve working position - any with additional supporting pier for actuator, except position with actuator down.
Normal, Explosionproof electric actuator versions available.

'BaltPromArmatura' LTD

Pinch Valve with 'ZEiM' Electric Actuator, 33a929r1, BPA98001



Nominal Bore, mm DN	Dimensions, mm							Weight, kg
	D	D 1	D2	L	H	d	n	
50	160	125	27	180	632	18	4	28
80	195	160	45	210	662	18	4	30
100	215	180	58	230	636	18	8	53

Nominal pressure, PN – up to 1,6 MPa (16 kgf/cm^2).

Full bore.

Version - normal, export, tropical.

Connection – flanges.

Working medium: liquid medium for water supply and sewerage systems, not aggressive and aggressive media, mineral oils and petroleum products.

Direction of working medium - any.

Low flow resistance factor - 0,6.

Sealed body.

Valve working position - any with additional supporting pier for actuator, except position with actuator down.

Full tight shut - off.

Body material - aluminum.

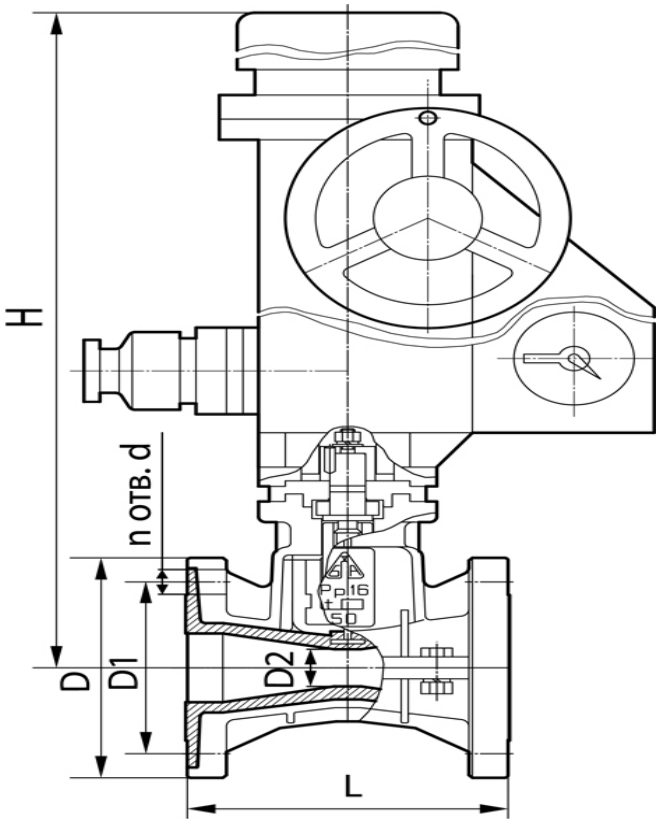
Mechanical indicator (pic. 1) of sleeve's rupture availability.

By the special order the valve is completed with the electromechanical (closed contact) indicator of sleeve's rupture (pic. 2).

DN, mm	Actuator type (multi-turn)	Engine power (W)	Current		Adjustment of socket limitation of torgue moment Nm (kgs m)
			voltage (v)	frequency (Hz)	
50	PEM-A3	180	380	50	25 (2,5)
80					46 (5)
100	PEM-B5	1100			100 (10)

'BaltPromArmatura' LTD

Pinch Valve with 'Tulaelectroprivod' Electric Actuator, 33a929r1, BPA98001



Nominal Bore, mm DN	Dimensions, mm							Weight, kg
	D	D 1	D2	L	H	d	n	
50	160	125	27	180	632	18	4	23
80	195	160	45	210	662	18	4	25
100	215	180	58	230	636	18	8	64,5

Nominal pressure, PN – up to 1,6 MPa (16 kgf/cm^2).

Low flow resistance factor - 0,6.

Version - normal, export, tropical.

Working medium: liquid medium for water supply and sewerage systems, not aggressive and aggressive media, mineral oils and petroleum products.

Full bore.

Body material - aluminum.

Sealed body.

Full tight shut - off.

Connection – flanges.

Direction of working medium - any.

Normal, Explosionproof electric actuator versions available.

Working position of the valve – any with additional supporting pier for actuator, except position with actuator down.

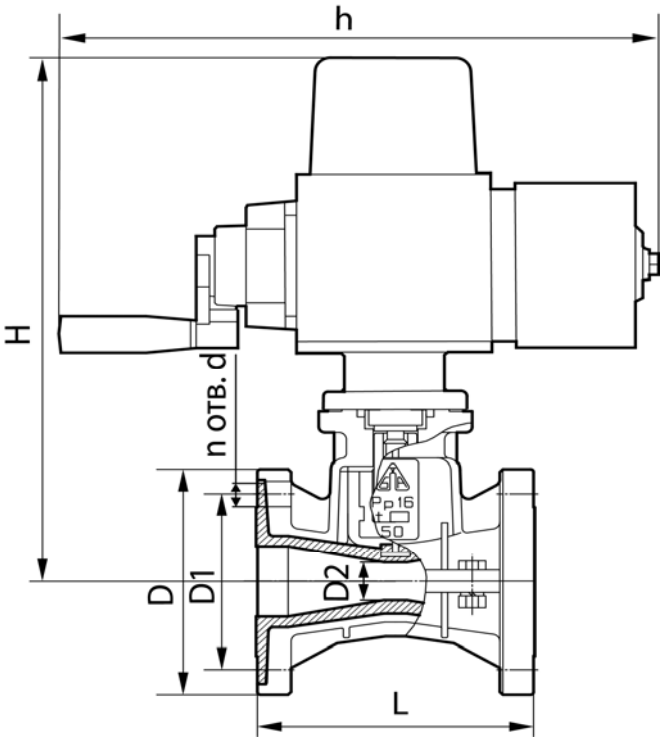
Mechanical indicator (pic.1) of sleeve's rupture availability.

By the special order is completed with the electromechanical indicator (pic.2).

DN	Actuator type (multi-turn)	Engine power (W)	Current		Adjustment of socket limitation of torgue moment Nm (kgs m)
			voltage (v)	frequency (Hz)	
50	H-A2-05КУ2	180	380	50	25 (2,5)
80					46 (5)
100	H-Б1-05У2	1300			100 (10)

'BaltPromArmatura' LTD

Pinch Valve with BETRO electric actuator, 33a929r1, BPA98001



Nominal Bore, mm DN	Dimensions, mm							Weight, kg
	D	D 1	D2	L	H	d	n	
50	160	125	27	180	503	18	4	21
80	195	160	45	210	577	18	4	23
100	215	180	58	230	630	18	8	46

Nominal pressure, PN – up to 1,6 MPa (16 kgf/cm^2).

Low flow resistance factor - 0,6.

Version - normal, export, tropical.

Working medium: liquid medium for water supply and sewerage systems, not aggressive and aggressive media, mineral oils and petroleum products.

Full bore.

Body material - aluminum.

Sealed body.

Full tight shut - off.

Connection – flanges.

Direction of working medium - any.

Normal, Explosionproof electric actuator versions available.

Working position of the valve – any with additional supporting pier for actuator, except position with actuator down.

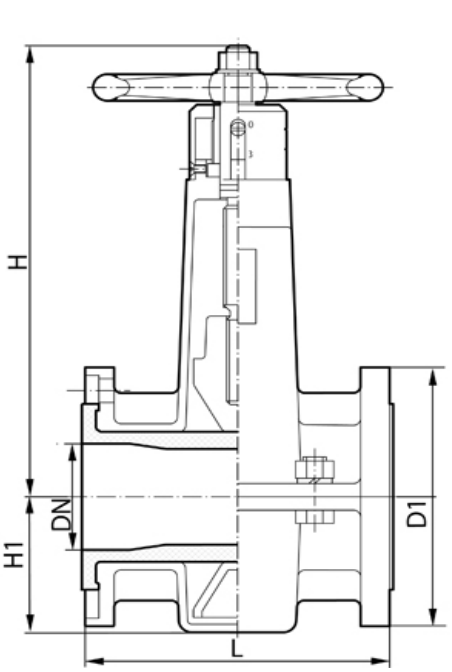
Mechanical indicator of sleeve's rupture availability.

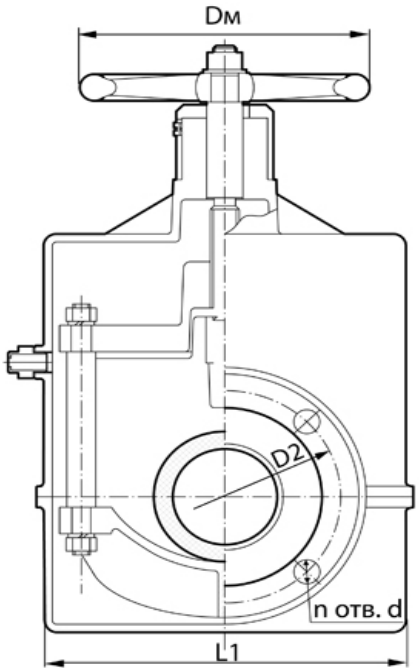
By the special order is completed with the electromechanical indicator.

DN	Actuator type (multi-turn)	Engine power (W)	Current		Adjustment of socket limitation of torgue moment Nm (kgs m)
			voltage (v)	frequency (Hz)	
50	EP-3-100-24-A2-05-B	0,35-1,1	220/380	50	25 (2,5)
80					46 (5)
100	EP-3-300-25-B1-O-A				100 (10)

'BaltPromArmatura' LTD

Full Bore Pinch Valve, 33a27r, BPA98000





Nominal Bore, mm DN	Dimensions, mm									Weight, kg
	D 1	D 2	D м	L	L 1	H	H1	d	n	
50	160	125	160	180	162	286	80	18	4	7,3
80	195	160	200	210	250	340	102	18	4	14,2
100	215	180	280	230	304	405	125	18	8	20

Note: The version with sleeve positive opening use with pressure P_{work} up to 0,2 MPa (2 kgf/cm^2).

Nominal pressure, PN – up to 1, 6 MPa (16 kgf/cm^2).

Connection – flanges.

Working medium: liquid medium for water supply and sewerage systems, not aggressive and aggressive media, mineral oils and petroleum products.

Direction of working medium - any.

Full tight shut - off.

Low flow resistance factor - 0,1.

Working position of valve - any.

Full bore.

Sealed body.

Body material - aluminum.

Mechanical indicator of sleeve's rupture availability.

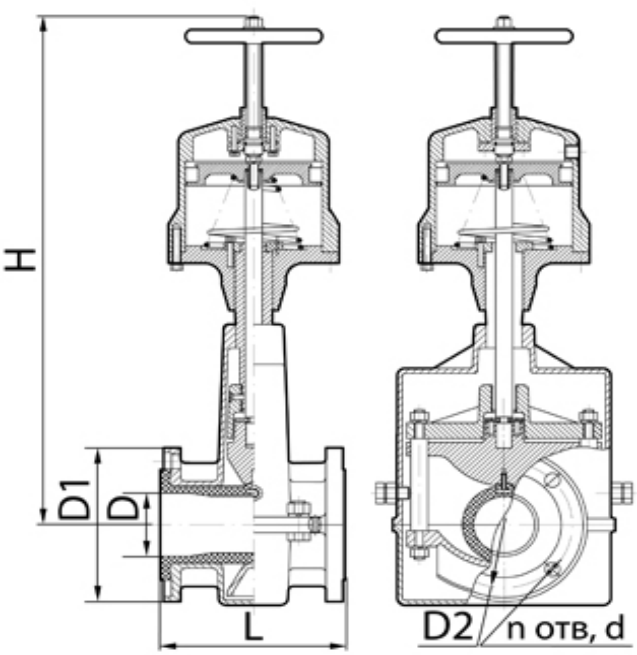
By the special order the valve is completed with the electromechanical (normally closed contact) indicator of sleeve's rupture.

OPEN/CLOSE position indicator available.

Version - normal, export, tropical.

'BaltPromArmatura' LTD

Full Bore Pinch Valve with Pneumatic Actuator, 33a627r, BPA98001



Nominal Bore, mm DN	Dimensions, mm							Weight, kg
	D	D 1	D 2	L	H	d	n	
50	50	160	125	180	286	18	4	7,3
80	80	195	160	210	340	18	4	14,2
100	100	215	180	230	405	18	8	20

Note: The version with sleeve positive opening use with pressure P_{work} up to 0,2 MPa (2 kgf/cm^2).

Nominal pressure, PN – up to 1, 6 MPa.(16 kgf/cm^2).
Connection – flanges.

Working medium: liquid medium for water supply and sewerage systems, not aggressive and aggressive media, mineral oils and petroleum products.

Direction of working medium - any.

Full tight shut - off.

Low flow resistance factor - 0,1.

Working position - with actuator up.

Pressure of working air at pneumatic actuator, P_{work} 0,5 - 0,6 MPa (5 - 6 kgf/cm^2).

Sealed body.

Body material - aluminum.

Mechanical indicator of sleeve's rupture availability.

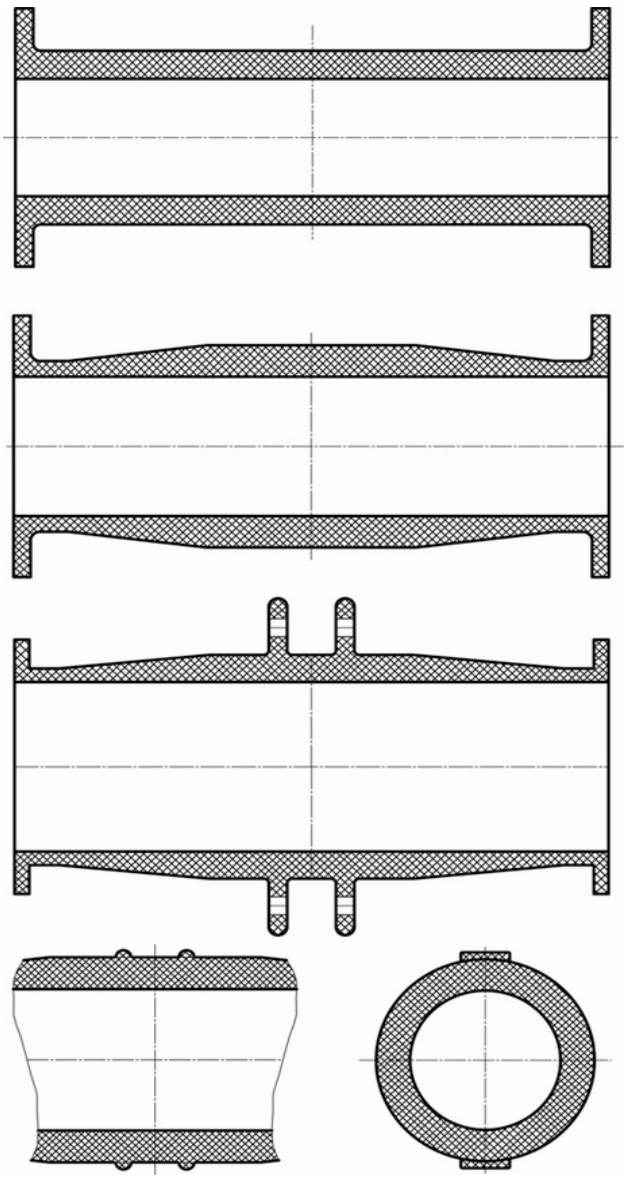
By the special order the valve is completed with the electromechanical (normally closed contact) indicator of sleeve's rupture.

Full bore.

Version - normal, export, tropical.

'BaltPromArmatura' LTD

Sleeves for Pinch Valves

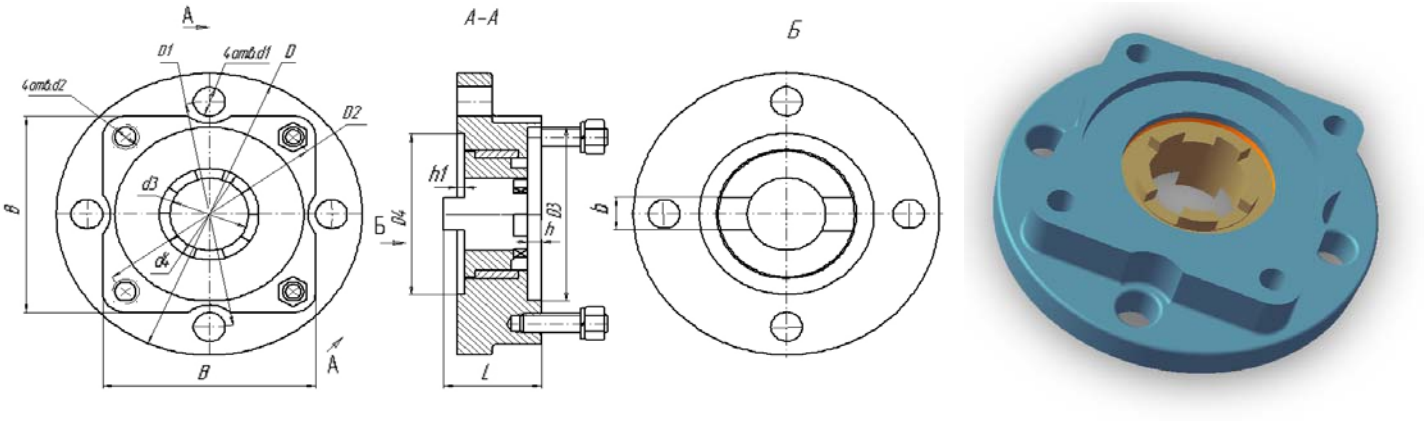


Attention!
All BALTPROMARMATURA's sleeves are marked by a trade mark.

At our company you can get spare parts and accessories to aluminum pinch valves, pneumovalves, devices of emergency closing and other BALTPROMARMATURA's products.
For sleeves' manufacture are used following rubbers: isoprene, butadiene-nitrile, ethylene-propylene, urethane, organ silicone and polyurethane.

'BaltPromArmatura' LTD

Adapter P98010-050A, P98010-100A



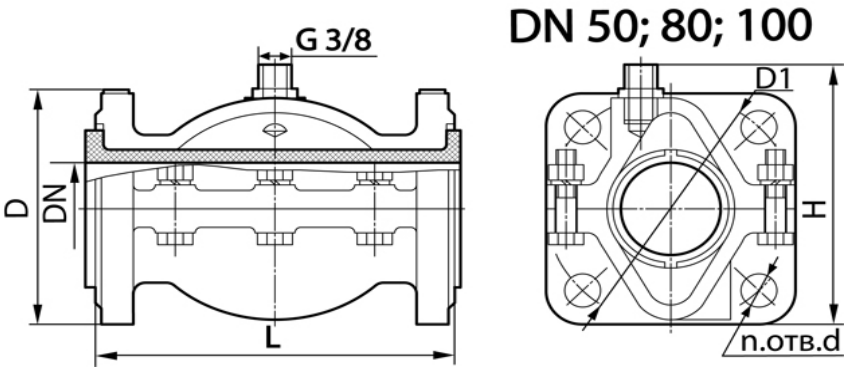
Pinch Valve drawing symbol	Adaptor's Designation	DN	Dementions, mm														Weight, kg
			B	D	D1	D2	D3	D4	d1	d2	d3	d4	h	h1	b	L	
P98044-050	P98010-050A	50	100	125	102	104	70	70	12	M12	32	44	3	4	14	37	3
P98010-080M		80															
P98010-100M	P98010-100A	100	122	175	140	135	108	100	18	M12	45	57	4	8	20	56	5,5
P98010-125M		125															
P98010-150M		150															
P98010-200M		200															

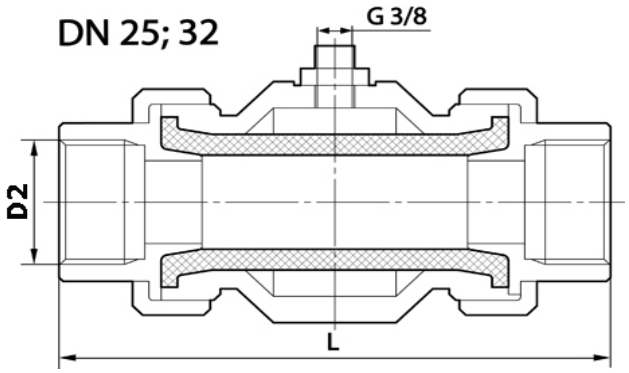
Pinch Valve drawing symbol	'Tylaelectroprivod'		«AUMA»		«REGADA»		«SIEMENS»	
	Actuator's Designation	Mkr, kgm	Actuator's Designation	Mkr, kgm	Actuator's Designation	Mkr, kgm	Actuator's Designation	Mkr, kgm
P98044-050	H-A2-01…05	2,5-6	SA10.1	4-12	MO52000	1,6-15	M76341-C	4-12
P98010-080M	H-A2-07…11	6-10						
P98010-100M	H-B1	10-30	SA14.1	10-25	MO52032	16-25		10-25
P98010-125M								
P98010-150M								
P98010-200M								

The Adapter is intended for connection of Multi - turn Electric Actuators to the Baltpromarmatura's Pinch Valve PN 0,6 MPa, or another suitable steel and cast iron valves.

'BaltPromArmatura' LTD

PneumoValve, 14a601r, BPA29000





DN	D	D1	D2	L	n	d	H
25			G 1	135			
32			G 11/4	160			
50	☐ 125	125		180	4	18	140
80	☐ 150	160		210	8		185
100	☐ 204	180		230	8		230

Meant as shutoff device for installation at pipelines with medium pressure from 0,2 up to 0,4 MPa (from 2 up to 4 kgf/cm^2).

Connection – flanges, union joint.

Leak-free shutoff of the valve provide with elastic deformation of the rubber sleeve by air supply P_{oper} 0,6 MPa (6 kgf/cm^2) into the valve's body.

Working medium: liquid, viscous and pulpiform, aggressive and not aggressive media.

Direction of working medium - any.

Full tight shut-off.

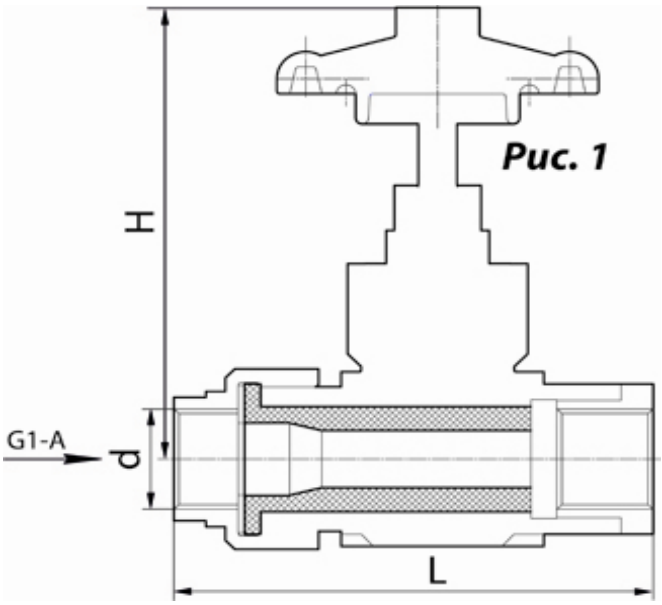
Low flow resistance factor - 0,1.

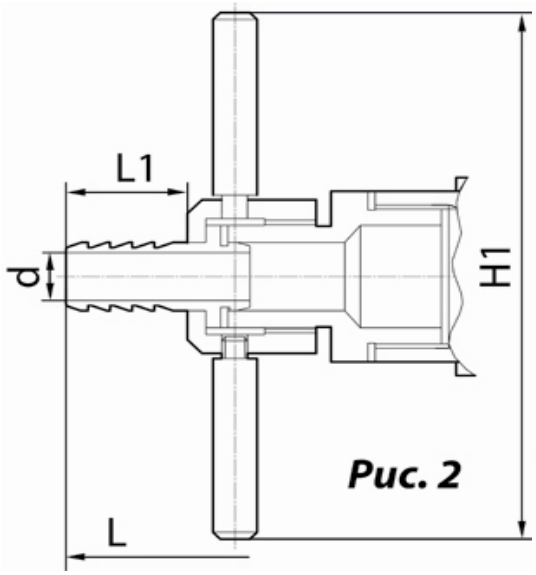
Temperature of working medium up to 60^{O}C.

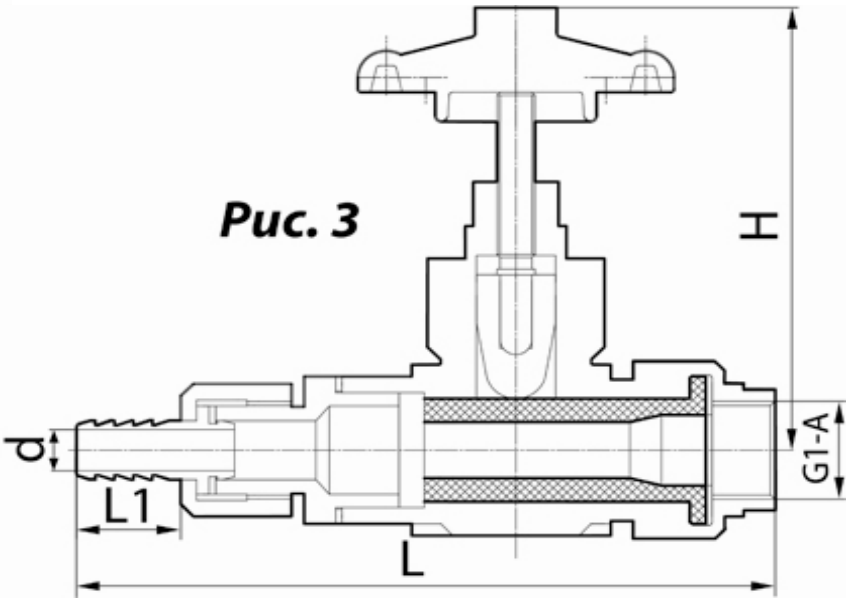
Main parts material: body - aluminium, sleeve - rubber compound.

'BaltPromArmatura' LTD

Pinch Valve BPA98002-025, 33a30r, 33a30r1, 33a30r2







Drawing symbol	Table of figure	Pic.	d	L	L1	H	H1	Weight, kg
BPA98002-025-02	33a30r2	1	G1	150	-	150	-	2,2
BPA98002-025-01	33a30r1	2	15	220	35		155	2,5
BPA98002-025	33a30r	3		235	30		170	2,3

The valve PN 1,6 MPa is designed for use in systems of: chemical water treatment for individual dwellings, main vacuum cleaners, integrated wastewater treatment, pump manifold at highly polluted media (sewerage, drainage, food waste, fats, etc.

The valve is equally efficient for watering application with water fine adjustment at $P_{input} \geq 3$ kgf/cm^2 and compressed air atomization units.

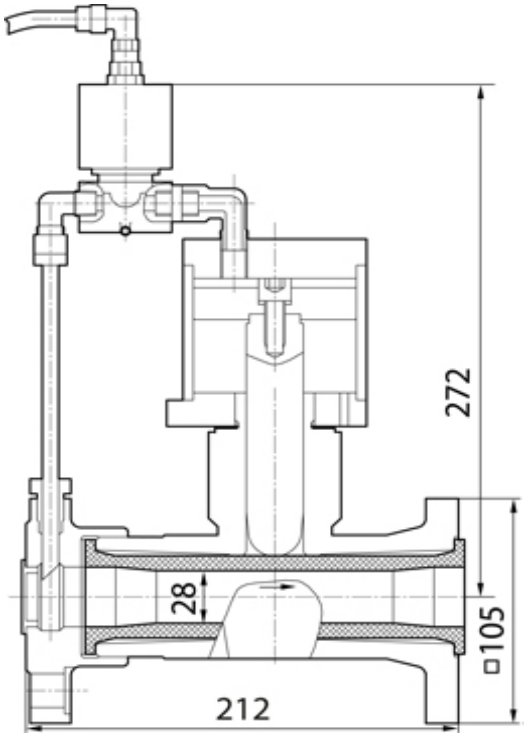
Joining types: tread (pic. 1), edquick release (pic. 2).

Temperature of working medium: up to 60^{O}C.

Full tight shut - off.

'BaltPromArmatura' LTD

Device of pipeline emergency closing BPA96001, 33a631p



The fast-operating automatic device of pipeline emergency closing is intended for operative disconnection of water supply on controlled pipeline parts.

The device works from remote control and closes the pipeline on an electric control signal 220V.

Nominal pressure, PN - from 0,2 up to 0,6 MPa (2 - 6 kgf/cm^2).

The minimal pressure of operation - 0,2 MPa (2 kgf/cm^2).

Nominal bore, DN - 32 mm.

Material - aluminium alloy.

Connection - flanges.

Working medium - water.

Temperature of working medium – up to 130^{O}C.

Direction of working medium - by the arrow at the body.

Full tight shut - off.

Low flow resistance factor - 0,2.

'BaltPromArmatura' LTD

Three-way Valve BPA34000, 11ch912bk, 11ch912bk with Electric Actuating Device

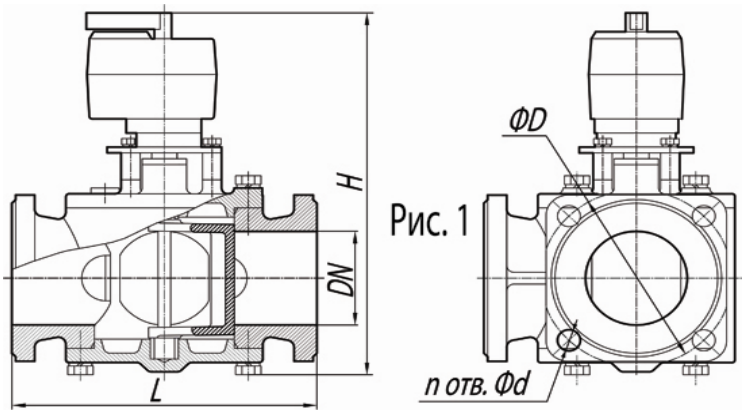


Рис. 1

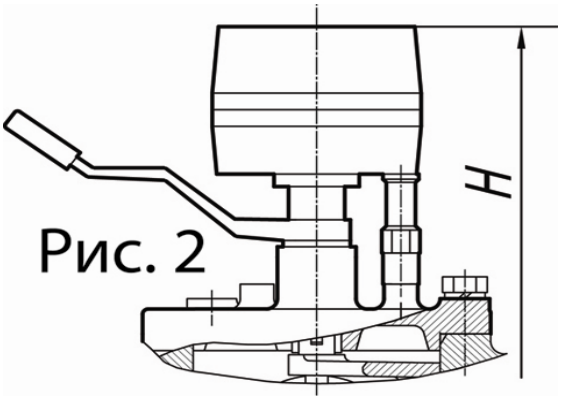


Рис. 2

Drawing symbol	Dimensions, mm						Actuator Type	Weight, kg	Pic.
	DN	L	H	D	d	n			
11ch912bk, BPA 34001	50	200	245	110	14	4	BELIMO LR230A	9,7	1
11ch912bk1, BPA 34001			241				ESBE AB Тип 65	9,5	2
11ch912bk, BPA 34001	80	240	309	150	18	4	BELIMO HR 230-3	18,7	1
11ch912bk1, BPA 34001			290				ESBE AB Тип 95	18,5	2
11ch912bk, BPA 34001	100	270	320	170	18	4	BELIMO SR230A	22,0	1
11a912bk, BPA 34000	100	270	288	180	18	4	BELIMO SR230A-S	10,0	1
11ch912bk, BPA 34001	150	350	376	225	18	8	BELIMO SR230A	40,0	1
11ch912bk, BPA 34001	200	400	432	280	18	8	BELIMO SR230A	64,0	1

Rotary type three-way mixing valve designed for automatic control of the heat-transfer's temperature into cooling & heating systems.

The required temperature provides due to the proportional adding of colder stream to hotter, or hotter stream to colder.

Movement of regulating element is realized by the Electric Actuating Device (EAD) with various characteristic.

The installed EAD regulates time of the shutter turn.

Nominal pressure – PN up to 1,0 MPa (10 kgf/cm^2).

Capacity characteristic – linear.

Conditional capacity – 160 m^3/h.

Working medium – liquid & gaseous.

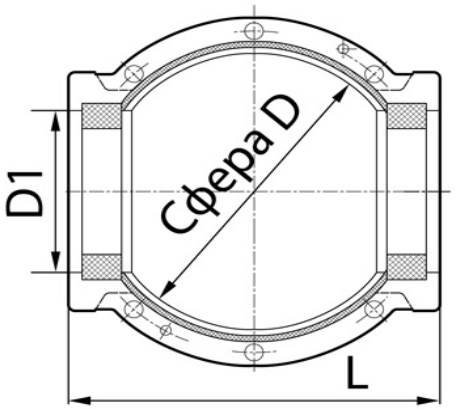
Temperature of working medium up to +150^{O}C.

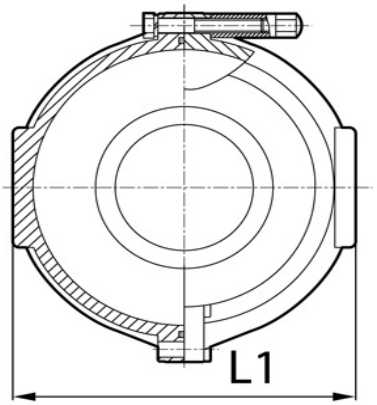
Connection – flanged.

Power supply of electro-actuating device – 230V/50 Hz or 24V/50 Hz.

'BaltPromArmatura' LTD

Repair-jointing Coupling BPA 08001





Nominal Bore, DN mm	Dimensions, mm				Weight, kg
	D	**D1**	**L**	**L1**	
50	174	74	234	206	5,2
65	195	92	250	216	7,1
100	230	135	282	272	10,9
150	284	185	320	320	16,5
200	340	240	335	370	22,7

Nominal pressure, PN – up to 0,6 MPa (6 kgf/cm^2).

Working medium: liquid, not aggressive medium.

Temperature of working medium - up to 60^{O}C.

Ambient temperature - up to -20^{O}C.

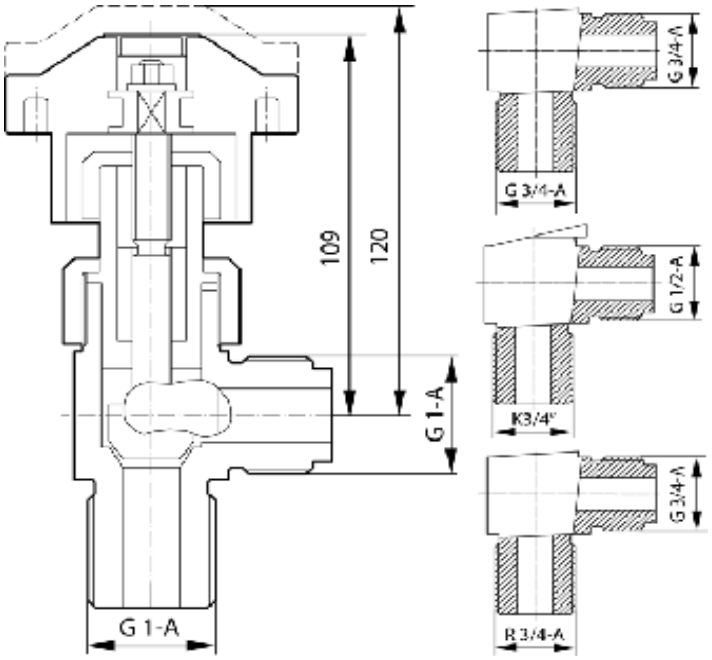
Installating position on the pipeline - any.

Material of the main parts - aluminium alloy, rubber.

The Coupling is designed to eliminate leakage at damaged pipe's parts (cracks, flaws, etc.) and installation of outside or buried, steel or cast iron pipes and used for sealing of joined bell mouthing and cylindrical parts of the pipeline.

'BaltPromArmatura' LTD

Angle Globe Valve, 24nj16p, BPA23000



Nominal pressure, PN - up to 20 MPa (200 kgs/cm^2) for liquid aggressive and not aggressive media.

Nominal pressure, PN - up to 4,0 MPa (40,0 kgs/cm^2) for liquid and gaseous chlorine.

Nominal bore, DN - 10, 15; 20; 25 mm.

Weight - 1,10 kg.

Connection to the pipeline - on the customer's requestany, in accordance with the pictures.

Working medium: liquid and gaseous chlorine or another aggressive and not aggressive media.

Temperature of working medium - from -70 up to +200 ^{O}C.

Sealing materials - Fluoroplastic-to-Metal.

Full tight shut - off.

Low flow resistance factor - 0.4.

For high reliability of sealing gland in the design the another top seal is stipulated.

Direction of working medium - bilateral.

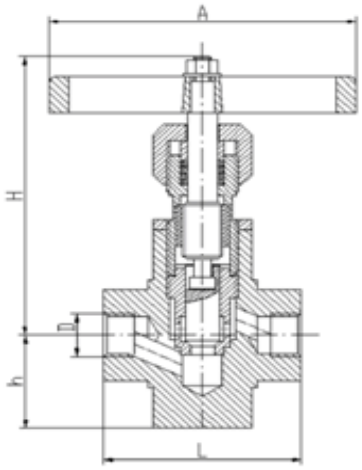
Material of the basic details is Stainless steel.

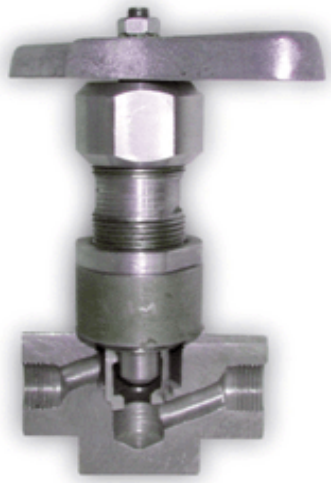
Working position of valve - any.

Rostechnadzor (State Board of Technical Inspection) licenses to design, manufacture and usage of valves for industries connected with handling and (or) storing of highly explosive, fire dangerous, aggressive, toxic and chlorinated substances and compounds available.

'BaltPromArmatura' LTD

Coupled Globe Valve, 24s47nj, E110





Drawing symbol	Table of figures	Nominal bore, DN, mm	D	h	L	H	A	Weight, kg. not more than
E110. 015	24s47nj	15	G 1/2"	40	90	145	140	3,2
E110. 020		20	G 3/4"	40	110	145	140	3,5
E110. 025		25	G 1"	45	130	155	180	4,0
E110. 032		32	G 1 1/4"	55	160	210	320	5,7
E110. 040		40	G 1 1/2"	70	180	250	400	6,4
E110. 050		50	G 2"	85	200	300	400	9,6

Nominal pressure PN 16 MPa, (160 kgf/cm^2).

Connection to the pipeline – union joints.

The working position and the medium feeding direction - any.

Working medium: water, steam, air, natural gas, liquid and gaseous inert media.

Temperature of working medium from -40 up to +350 ^{O}C.

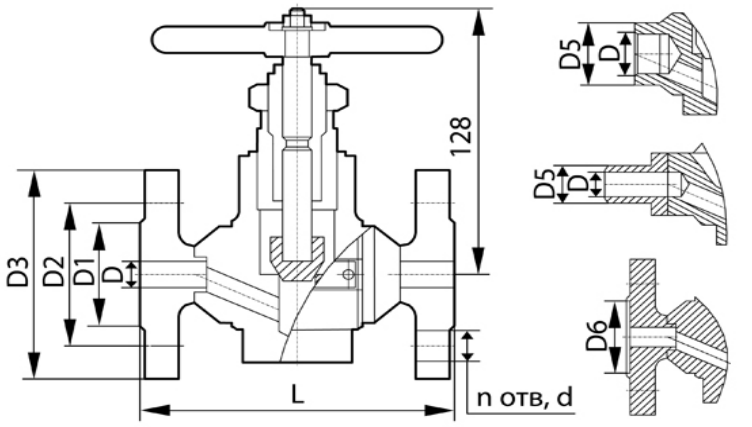
Valve's tightness to class 'B' as per the Russian standard.

Main part's material: body - carbon steel; spindle, slide - stainless steel.

At the customer's request, other modifications of valves by differetn parameters (medium, temperature, pressure and part's material) may be manufactured as coordinated with the designer.

'BaltPromArmatura' LTD

Globe Valve BPA 21004



DN	PN	Dimensions, mm										Connection	Weight, kg
		D	D1	D2	D3	D4	D5	D6	L	n	d		
15	16	15	47	65	95	100	-	-	130	4	14	flanged	3,8
	40	15	47	65	95		-	40	130	4	14	flanged	3,8
	63	15	47	75	105			40	175	4	14	flanged	4,75
		G1/2"	-	-	-		38	-	90	-	-	socket	2,5
		15	-	-	-		23	-	160			welding	3,5
20	16	20	58	75	105	100	-	-	150	4	14	flanged	4,2
	40	20	58	75	105		-	51	150	4	14	flanged	4,47
	63	20	58	90	125			51	190	4	18	flanged	5,8
		G3/4"	-	-	-		38	-	90	-	-	socket	2,6
		20	-	-	-		28	-	160	-	-	welding	3,7
25	16	25	68	85	115	100	-	-	160	4	14	flanged	4,6
	40	25	68	85	115		-	58	160	4	14	flanged	4,93
	63	25	68	100	135		-	58	200	4	18	flanged	7,11
		G1"	-	-	-		45	-	90	-	-	socket	2,67
		25	-	-	-		34	-	160	-	-	welding	3,7

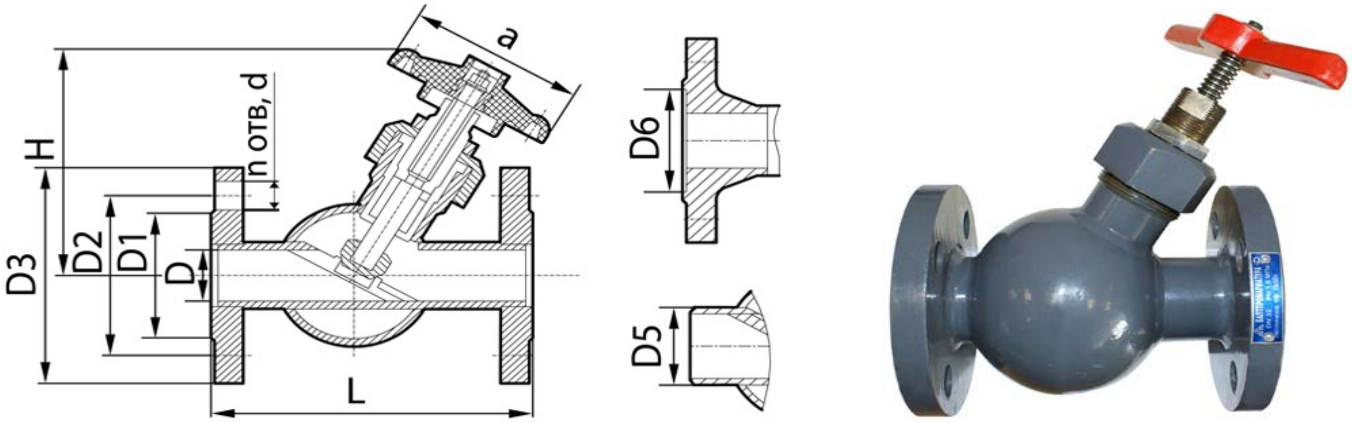
DN	PN	Valves Designation	Tightness Class	$T_{working}$ -°C	Working medium	Main Parts Material
15 20 25	16	15s65nj, 15s65nj1	B	from -30 to +350	Liquid not aggressive medium.	Carbon steel
	40	15s22nj, 15s22nj1				
	63	15s71nj, 15s75nj1				
		15s71nj2*, 15s71nj3*				
		15s71nj4**, 15s71nj5**				
	16	15s65p	A	from -30 to +200	Liquid and gaseos not aggressive medium.	
		15nj65p		from -30 to +200	Liquid and gaseous aggressive medium.	Stainless steel
	40	15c22p		from -30 to +200	Liquid and gaseos not aggressive medium.	Carbon steel
		15nj22p		from -70 to +200	Liquid and gaseous aggressive medium.	Stainless steel
	63	15s71p, 15s71p1*, 15s71p2**		from -30 to +200	Liquid and gaseos not aggressive medium.	Carbon steel
		15nj71p, 15nj71p2**		from -70 to +200	Liquid and gaseous aggressive medium.	Stainless steel
	16	15nj65nj	B	from -70 to +350	Liquid and gaseos not aggressive medium.	
	40	15nj22nj				
	63	15nj71nj, 15nj71nj1*, 15nj71nj2**				

* soced connection, ** welding connection. Manufacturing for diferent PN by customer's request is possible.

Direction of working media - any.
Low flow resistance factor - not more than 4,5.

'BaltPromArmatura' LTD

Globe Valve BPA 21005



DN	PN	Dimensions, mm										Connection	Weight, kg
		D	D1	D2	D3	D4	D5	D6	L	H	n	d	
32	16	32	78	100	135	100	-	-	180	124	4	18	flanged	6,5
	40							66						7,1
	63		78	110	150		-	66	260		4	22		9,3
			-				50	-	150		-		welding	3,5
40	16	40	88	110	145	160	-	-	200	158	4	18	flanged	8
	40							76						8,6
	63		88	125	165		-	76	260		4	22		11,8
			-				50	-	144		-		welding	4,5
50	16	50	102	125	160		-	-	230	190	4	18	flanged	11
	40							88						12
	63		102	135	175		-	88	300		4	22		15,7
			-				60	-	170		-		welding	7

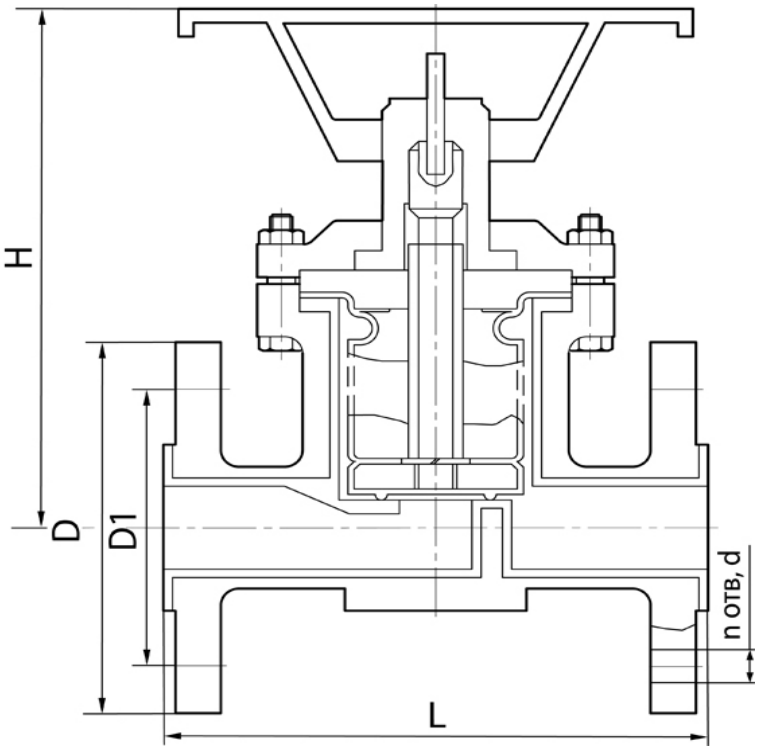
DN	PN	Valves Designation	Tightness Class	$T_{working}$ -°C	Working medium	Main Parts Material
32 40 50	16	15s65p	A	from -30 to +200	Liquid and gaseos not aggressive medium.	Carbon steel
	40	15s22p				
	63	15s71p 15s71p1*				
	16	15s65nj	B	from -30 to +350		
	40	15s22nj				
	63	15s71nj 15s71nj1*				
	16	15nj65p	A	from -30 to +200	Liquid and gaseous aggressive medium.	Stainless steel
	40	15nj22p				
	63	15nj71p 15nj71p1*				
	16	15nj65nj	B	from -70 to +350		
	40	15nj22nj				
	63	15nj71nj 15nj71nj1*				

* soced connection, ** welding connection. Manufacturing for diferent PN by customer's request is possible.

Direction of working media - any.
Low flow resistance factor - not more than 4,5.

'BaltPromArmatura' LTD

Bellows Lined Globe Valve, 13s72p, P26548



Drawing symbol	Material of main parts			Weight, kg
	Body	Body lining	Bellows	
P26548-025; -01	Casting	Fluoroplast F-2M-B	Fluoroplast F-42LD-2	9,1
P26548-032; -01				10,1
P26548-050; -01				17,0
P26548-025-02; -03			Fluoroplast F-2M-B	9,1
P26548-032-02; -03				10,1
P26548-050-02; -03				17,0

Drawing symbol	Nominal bore DN, mm	Dimensions, mm					
		L	H	D	D1	d	n
P26548-025	25	160	200	115	85	14	4
P26548-032	32	180	200	135	100	18	4
P26548-050	50	230	190	160	125	18	4

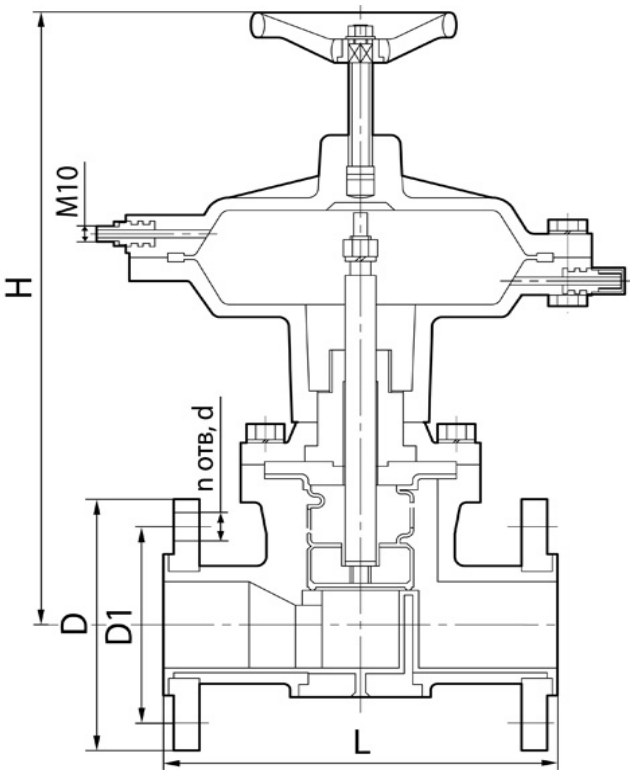
Drawing symbol	Table of figures	Nominal pressure PN, MPa (kgf/cm^2)
P26548-025	13s72p	0,63 (6,3)
P26548-032		
P26548-050		
P26548-025-02	13s72p1	1,6 (16,0)
P26548-032-02		
P26548-050-02		

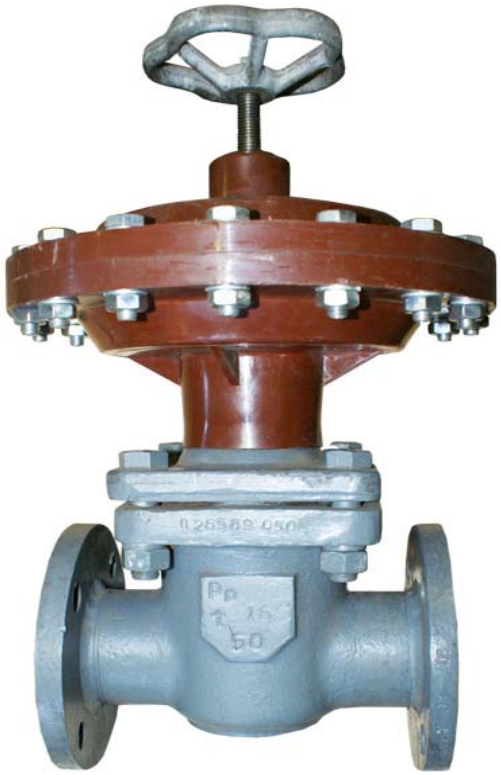
Working medium	Concentration, %	Temperature, °C
Nitric acid	up to 10	100
	up to 40	60
	up to 50	20
Sulfuric acid	up to 60	100
Hydrochloric acid	up to 37	100
Phosphoric acid	up to 95	100
Hydrofluoric acid	up to 30	100
	up to 60	27
Hydrofluosilicic acid	up to 35	100
Acetic acid	up to 80	100
Formic acid	up to 100	100
Acids - citric, butyric, maleic, benzoic	any	100
Solutions of salts mineral and organic acids	any	100
Alkaline solutions	any	100
Hydrogen sulfide	–	100
Hydrogen chloride	–	100
Ammonia gas	any	100
Formaldehyde	up to 50	100
Saturated hydrocarbons - methane, butane, propane, etc.	any	100
Carbon tetrachloride	–	100

Direction of working medium - any.
Working position - any.
Full tight shut - off.
Application with other working media is permitted subject to agreement with the manufacturer.

'BaltPromArmatura' LTD

Bellows Lined Globe Valve with Pneumatic Actuator, 13s672p1, P26589





Drawing symbol	Main parts materials			Weight,kg
	Body	Body lining	Bellows	
P26589-025;-01	Casting	Fluoroplast	Fluoroplast	11,0
P26589-032;-01				13,0
P26589-050;-01				19,5

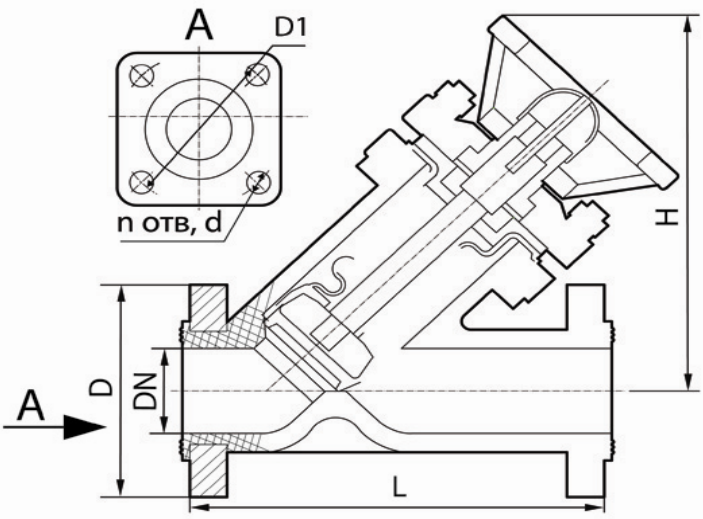
Drawing symbol	Nominal Bore DN, mm	Dimensions, mm					
		L	H	D	D1	d	n
P26589-025;-01	25	160	330	115	85	14	4
P26589-032;-01	32	180	330	135	100	18	4
P26589-050;-01	50	230	390	160	125	18	4

Working medium	Concentration, %	Temperature, oC
Nitric acid	up to 10 up to 40 up to 50	100 60 20
Sulfuric acid	up to 60	100
Hydrochloric acid	up to 37	100
Phosphoric acid	up to 95	100
Hydrofluoric acid	up to 30	100
	up to 60	27
Hydrofluosilicic acid	up to 35	100
Acetic acid	up to 80	100
Formic acid	up to 100	100
Acids - citric, butyric, maleic, benzoic	any	100
Solutions of salts mineral and organic acids	any	100
Alkaline solutions	any	100
Hydrogen sulfide	–	100
Hydrogen chloride	–	100
Ammonia gas	any	100
Formaldehyde	50	100
Saturated hydrocarbons - methane, butane, propane, etc.	any	100
Carbon tetrachloride	–	100

Direction of working medium - any. Working position - any.
Operate pressure for pneumatic actuator - Poper 0,5-0,6 MPa (5,0-6,0 kgf/cm2). Full tight shut - off.
Application with other working medium is permitted subject to agreement with the manufacturer.
It is prohibited to use the valve with the following media: fuming nitric acid, chlorosulfonic acid, perchloroetylene, cyclohexane, dimethyl formamide, acetone, ketone, complex esters.

'BaltPromArmatura' LTD

Bellows Globe Valve, 15p67p, P26523



Drawing symbol	Nominal bore, DN mm.	Dimensions, mm.						
		Weight, kg	L	H	D	D1	d	n
P26523-025	25	2,47	160	220	□90	85	14	4
P26523-032	32	2,62	180	220	□105	100	18	
P26523-050	50	3,45	230	220	□125	125		
P26523-100	100	12,2	350	300	Ø 205	170		

Material of main parts		Temperature, ^{O}C	
body	bellows	working medium	ambient
pentaplast	fluoroplast	from -5 up to +100	from -5 up to +40
polypropylene		from -5 up to +70	
Frost-resistant polypropylene		from -30 up to +70	from -30 up to +40

Nominal pressure, PN - from 10^{-3} mm. mercury up to 0,6 MPa (6 kgf/cm^2) for DN 25, 32, 50 mm. and PN - from 0 MPa up to 0,4 MPa (4 kgf/cm^2) for DN 100 mm.

Connection - flanges.

Sizes of flanges of the pipeline - to the Russian standard, at PN 1.0 MPa (10 kgf/cm^2) for DN 25, 32, 50 mm. and at PN 0.63 (6.3 kgf/cm^2) for DN 100 mm. modification 1, row 2.

Working position - any.

Direction of working medium - under the plug.

Hydraulic resistance factor for DN 25, 32, 50 mm. - not more than 5, for DN 100 mm. - not more than 6.

Full tight shut - off.

The vacuum valve must be vacuum - tight in the plug and to environment.

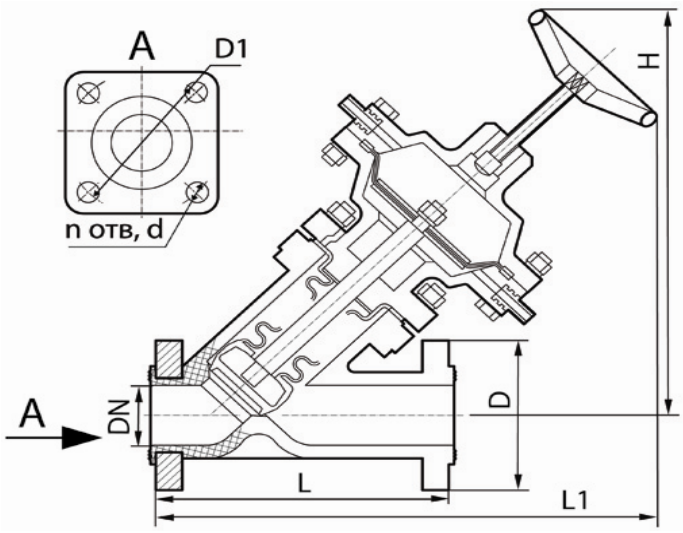
Application of screw-type bellows quarantees tightness to environment.

Working medium	Concentration %	Temperature °C
Nitric acid	10	100
	30	65
	50	27
Sulfuric acid	up to 60	100
	up to 96	65
Hydrochloric acid	up to 37	100
Phosphoric acid	up to 85	100
Hydrofluoric acid	up to 30	100
	up to 40	80
	up to 60	27
Hydrofluosilicic acid	up to 35	100
Acetic acid	up to 80	100
Formic acid	up to 90	100
Acids - citric, butyric, maleic, benzoic	any	100
Solutions of salts mineral and organic acids	any	100
Alkaline solutions	any	100
Hydrogen sulfide	_	100
Hydrogen chloride (dry gas)	_	25
moist gas	_	from 20
Ammonia gas	_	100
Formaldehyde	50	100
Saturated hydrocarbons - methane, butane, propane, etc.	any	100
Carbon tetrachloride	_	100
Ethanol	96	100
Use of valve with following media is prohibited	Fuming nitric acid, oleum, chlorosulfonic acid, perchlorocthylene, cyclohexanone, dimethyl-formamide, acetone, ketone, esters, tetrahydrofurane, benzine, tetramine, trichlorthylene, tetrachlormethane, triethanolamine, tetrachloroethane, benzol, totuol.	

Modification could use with liquid food products and drinking water avialability.

'BaltPromArmatura' LTD

Bellows Globe Valve with Pneumatic Actuator, 22p619bk, P26528



Drawing symbol	Nominal bore DN, mm	Dimensions, mm							
		Weight, kg	L	L1	H	D	D1	d	n
P26528-025	25	5,2	160	320	310	□90	85	14	4
P26528-032	32	6,2	180	320	310	□105	100	18	
P26528-050	50	7,2	230	366	320	□125	125		
P26528-100	100	15,0	350	460	435	Ø 205	170		

Material of main parts		Temperature, ^{O}C	
body	bellows	working medium	ambient
pentaplast	fluorplast	from -5 up to +100	from -5 up to +40
polypropylene		from -5 up to +70	
frost-resistant polypropylene		from -30 up to +70	from -30 up to +40

Nominal pressure, PN - from 10-3 mm. mercury up to 0,6 MPa (6 kgf/cm^2) for DN 25, 32, 50 mm.
and PN - from 0 MPa up to 0,4 MPa (4 kgf/cm^2) for DN 100 mm.
Connection - flanges.

Sizes of flanges of the pipeline - to the Russian standard, at PN 1.0 MPa (10 kgf/cm^2) for DN 25, 32, 50 mm.
and at PN 0.63 (6.3 kgf/cm2) for DN 100 mm. modification 1, row 2.

Working position - any.

Direction of working medium - under the plug.

Low flow resistance factor for DN (25, 32, 50) - 5, for DN 100 - 6.

Full tight shut - off.

Application of screw-type bellows guaranties tightness in respect of environment.

Operate pressure for pneumatic actuator P_{oper} 0.6 MPa (6 kgf/cm^2).

Working medum	Concentration %	Температура °C
Nitric acid	10	100
	30	65
	50	27
Sulfuric acid	up to 60	100
	up to 96	65
Hydrochloric acid	up to 37	100
Phosphoric acid	up to 85	100
Hydrofluoric acid	up to 30	100
	up to 40	80
	up to 60	27
Hydrofluosilicic acid	up to 35	100
Acetic acid	up to 80	100
Formic acid	up to 90	100
Acids - citric, butyric, maleic, benzoic	any	100
Solutions of salts mineral and organic acids	any	100
Alkaline solutions	any	100
Hydrogen sulfide	_	100
Hydrogen chloride (dry gas)	_	25
moist gas	_	from 20
Ammonia gas	_	100
Formaldehyde	50	100
Saturated hydrocarbons - methane, butane, propane, etc.	any	100
Carbon tetrachloride	_	100
Ethanol	96	100

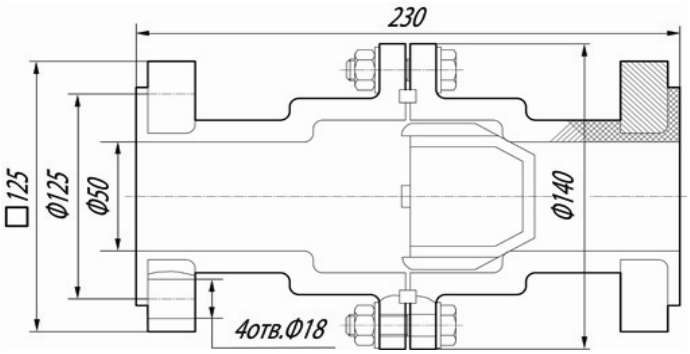
Modification could use with liquid food products and drinking water aviable.

Application with other working medium is permitted subject to agreement with the manufacturer.

Use of valve with following media is prohibited: fuming nitric acid, oleum, chlorosulfonic acid, perchlorocthylene, cyclohexanone, dimethyl-formamide, acetone, ketone, esters, tetrahydrofurane, benzine, tetramine, trichlorthylene, tetrachlormethane, triethanolamine, tetrachloroethane, benzol, totuol.

'BaltPromArmatura' LTD

Check Valve, 16p6bk, P41101-050



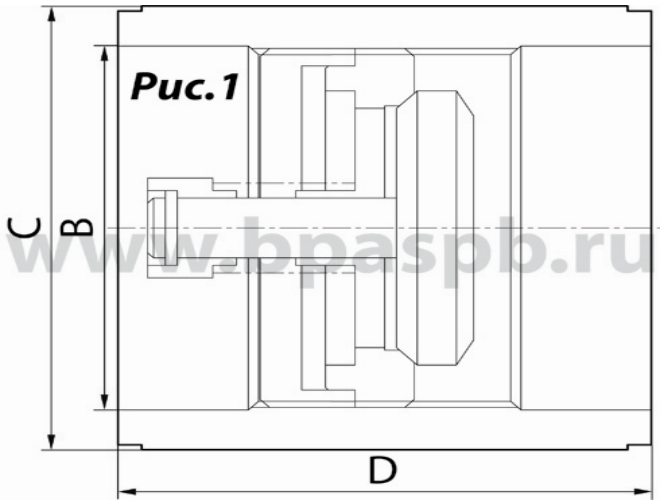
Working medium	P41101-050, P41101-050-01, P41101-050-02, P41101-050-03	
	Concentration %	Temperature °C
Nitric acid	20	50
Sulfuric acid	up to 30	60
	up to 40	40
	up to 70	20
Hydrochloric acid	up to 30	60
	more than 30	20
Phosphoric acid	up to 80	60
Hydrofluoric acid	up to 40	50
	up to 60	20
Hydrofluosilicic acid	up to 30	20
Acetic acid	up to 80	40
	up to 60	60
Formic acid	up to 50	60
Acids - citric, butyric, maleic, benzoic	any	70
Solutions of salts mineral and organic acids	any	70
Alkaline solutions	any	70
Formaldehyde	up to 10	40
	up to 40	30
Ethanol	up to 96	70
Using valve with following fluids has prohibited: tetrahydrofurane, benzine, tetramine, trichlorethylene, tetrachlormethane, triethanolamine, tetrachloroethane, benzol, totuol.		

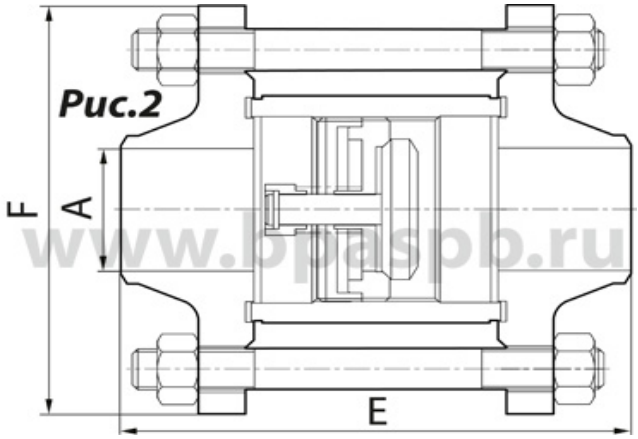
DN - 50, PN - 0,6 MPa (6kgf/cm²).
Working medium temperature: from -30 up to +70°C.
Connection of the valve to the pipeline - flanged.
Hydraulic resistance factor - not more than 3.
Direction of fluid flow - under the plug.
Working position of the valve - any.
Body and Plug materials - polypropylene and frost-resistance polypropylene.
Weight - 2,2 kg.
Service conditions - not routinaly heated indoor facilities with natural ventilation, without artificially controlled climatic conditions in temperate climate regions.

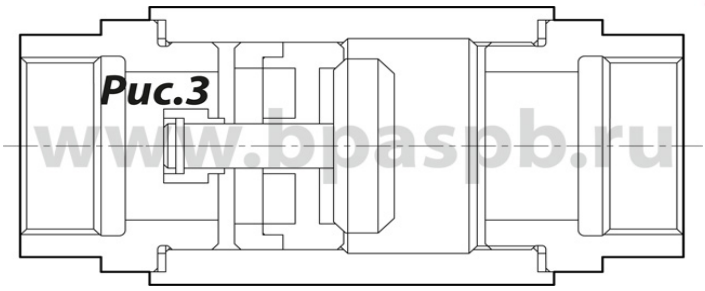
Application with other working media is permitted subject to agreement with the manufacturer.

'BaltPromArmatura' LTD

Steel Check Valve, 16s84nj, 16nj84nj, SH084, SH085







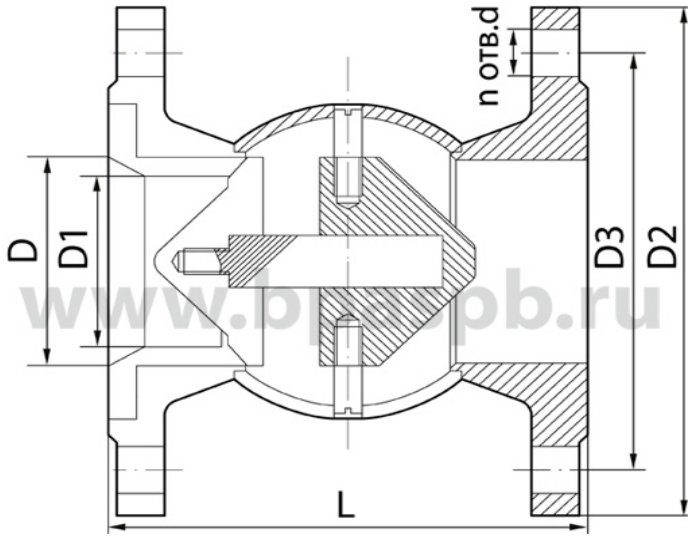
DN	A	B	C	D	E	F	Weight, kg Pic. 1 / Pic. 2	Resistance coefficient
15	12	29	39	55	120	95	0,8 / 2,4	4,2
20	18	36	50	60	125	105	0,9 / 2.7	4,0
25	25	43	57	60	130	115	1,2 / 3,5	3,9
32	31	51	65	65	150	135	1,8 / 5,4	3,1
40	38	61	75	90	180	145	2,1 / 6,3	2,9
50	48	73	87	90	180	160	2,5 / 7,9	2,8
80	78	106	120	150	260	195	4,6 / 14	3,8
100	96	129	140	180	310	230	7,6 / 22	4,2

Drawing symbol	Type	Material of the main parts	Working medium	Type of joining to the pipeline
SH084	16s84nj	carbon steel	liquids and gaseous, inert	clamping joint
SH084-01	16s84nj-1			mating flanges
SH085	16nj84nj	stainless steel	liquids and gaseous, corrosive	clamping joint
SH085-01	16nj84nj-1			mating flanges

The working position - any.
The medium feeding direction is shown by the arrow on the body.
At the customer's request, other modifications of valves for different parameters (medium, Tp, PN, types of joints and materials of parts) may be manufactured as coordinated with the designer.
Nominal bore DN 15, 20, 25, 32, 40, 50, 80, 100 (1/2", 3/4", 1", 11/4", 11/2", 3", 4").
Working pressure - 4,0 MPa (40 kgf/cm^2), (300 ANSI).
Temperature of working medium - from -60 up to 359^{O}C.

'BaltPromArmatura' LTD

Check Valve, 16s87p, 16nj87p, BPA41001



Nominal Bore, DN mm	Dimensions, mm						n. pc	Weight, kg
	D	L	D1	D2	D3	d		
50	50	140	40	160	125	18	4	8,7
80	80	170	65	195	160	18	4	11,9

Nominal pressure, PN – up to 1,6 Mpa (16 kgf/cm^2).

Connection – flanges.

Working medium: liquid and gaseous, not aggressive and aggressive media.

Temperature of working medium - up to 200^{O}C.

Direction of working medium - by the arrow at the body.

Sealing materials - fluoroplast.

Working position - any.

Material of the main parts - carbon steel - for not aggressive media, stainless steel - for aggressive media.

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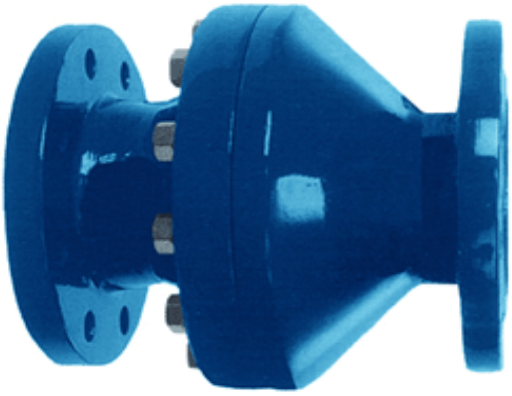
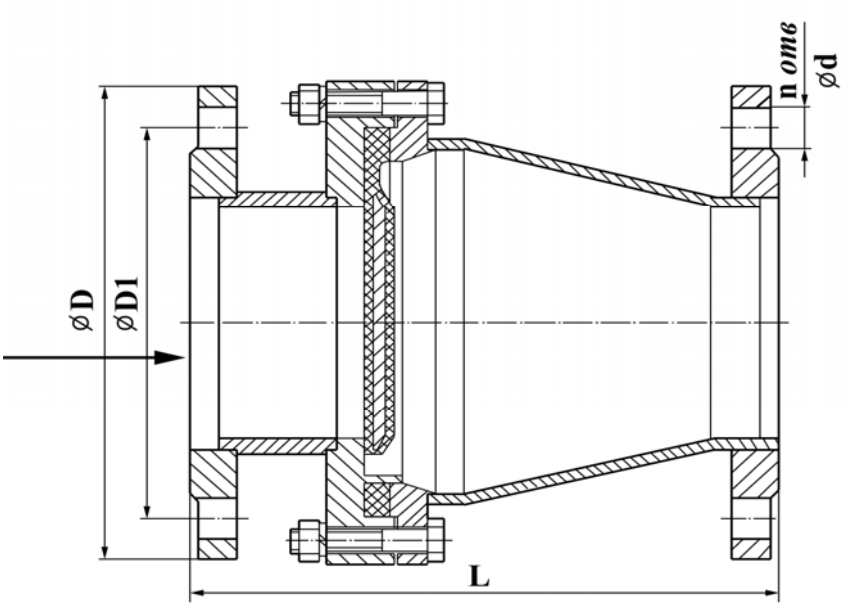
Check Valve, BPA44000, 19s88r





Nominal Bore, DN (mm)	Dimensions, mm					Flow resistance factor	Weight, kg
	L	D	D 1	d	n		
50	160	160	125	18	4	1,4	8,8
80	205	195	160	18	4	1,5	14
100	240	215	180	18	8		17,8
150	330	280	240	22	8	1,8	43,3

Nominal pressure, PN – up to 0,6 Mpa (6 kgf/cm^2).
Connection – flanges.
Working medium: liquids, including industrial wastewater.
Temperature of working medium - up to 60^{O}C.
Давление номинальное, PN - до 0,6 МПа (6 кгс/см^2).
Material of the main parts: body - steel with anticorrosive coat, disc - reinforced rubber.

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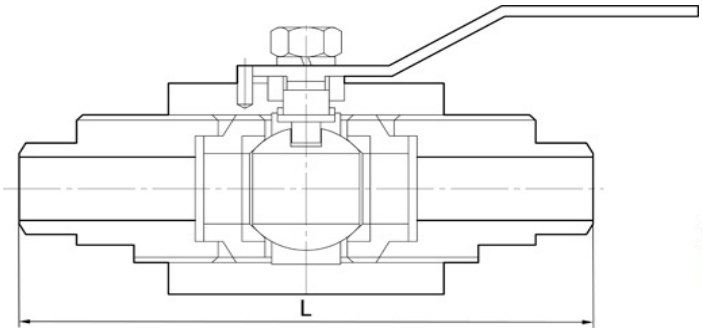
Ball Valve, 10s7p, SH102

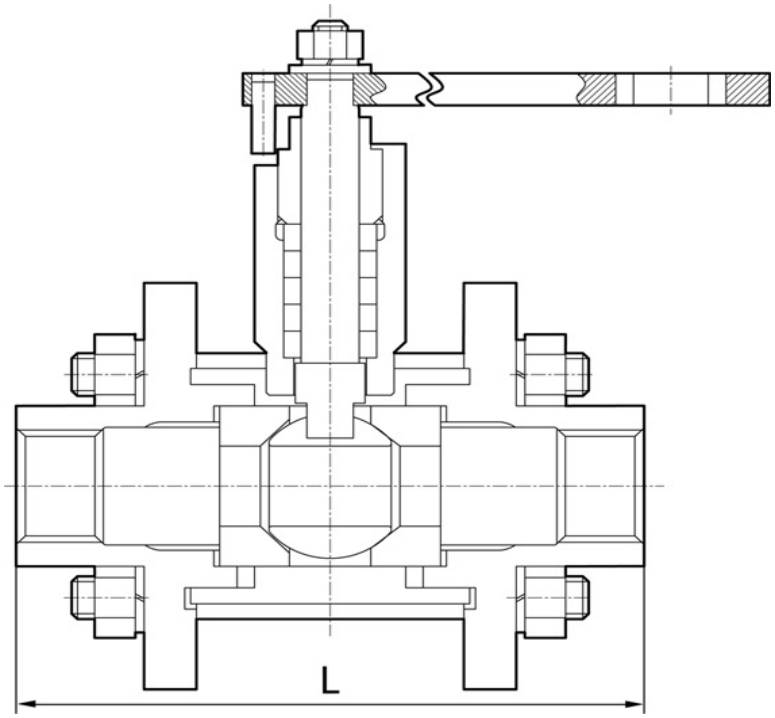


The working position and the medium feeding direction - any.
Valve tightness should be not lower than class 'C' as per the Russian standard.
Ball valve should be jointed to the pipeline by means of union joints and welding joints.
Construction and materials to be used, type of jointing to the pipeline, the complete set of delivery should be determined in the order.
At request of the customer, other modifications of the ball valve, for other parameters (medium, T, PN, joints and materials) might be manufactured.

Drawing symbol	SH 104		SH 102	
Table of figures	10s7p1		10s7p	
Connection	union joints		welding joints	
Working medium	Liquid, gaseous, corrosive and inert media, natural gas			
Temperature of working medium, ^{O}C	from -40 up to +180			
Material of the main parts	Carbon steel, stainless steel			
Working pressure, MPa	1,6			
Nominal bore, mm	10	15	20	25
Weight, kg	1,9	1,9	2,9	3,4
L, мм	160	160	200	240

'BaltPromArmatura' LTD

Ball Valve, 10s8br, 10s9br, 10s10br, BPA39003



Nominal pressure, PN - up to 1,6; 2,5; 4,0 MPa (16;25;40 kgf/cm^2).
Nominal bore -10; 15; 20; 25; 32; 40; 50 mm.
Connection – flanged, union, welding joints.
Working medium: water, steam.
Temperature of working medium - up to 350^{O}C.
Sealing materials - metal-to-metal.
Tightness - class 'C' according to the Russian State Standart.
Direction of working medium - bilaterial.
Body material - carbon steel.
Working position of the valve - any.

Drawing symbol	Table of figures	PN, MPa (kgf/cm^2)	L, mm	Pipeline connection	Weight, kg
BPA39003-010	10s8br	1,6 (16)	156	flanged	2,6
-01	10s8br1		94	union	1,5
-02	10s8br2		104	welding	1,4
-03	10s9br	2,5 (25)	160	flanged	2,7
-04	10s9br1		94	union	1,5
-05	10s9br2		104	welding	1,4
-06	10s10br	4,0 (40)	176	flanged	2,75
-07	10s10br1		94	union	1,5
-08	10s10br2		104	welding	1,4
BPA39003-015	10s8br	1,6 (16)	156	flanged	3
-01	10s8br1		104	union	1,7
-02	10s8br2		104	welding	1,6

-03	10s9br	2,5 (25)	160	flanged	3
-04	10s9br1		94	union	1,7
-05	10s9br2		104	welding	1,6
-06	10s10br	4,0 (40)	176	flanged	3,2
-07	10s10br1		94	union	1,7
-08	10s10br2		104	welding	1,6
BPA39003-020	10s8br	1,6 (16)	165	flanged	4
-01	10s8br1		110	union	2,1
-02	10s8br2		110	welding	2
-03	10s9br	2,5 (25)	170	flanged	4
-04	10s9br1		110	union	2,1
-05	10s9br2		110	welding	2
-06	10s10br	4,0 (40)	190	flanged	4
-07	10s10br1		110	union	2,1
-08	10s10br2		110	welding	2
BPA39003-025	10s8br	1,6 (16)	168	flanged	5,25
-01	10s8br1		110	union	2,7
-02	10s8br2		110	welding	2,7
-03	10s9br	2,5 (25)	168	flanged	5,1
-04	10s9br1		110	union	2,7
-05	10s9br2		110	welding	2,7
-06	10s10br	4,0 (40)	194	flanged	5,1
-07	10s10br1		110	union	2,7
-08	10s10br2		110	welding	2,7
BPA39003-032	10s8br	1,6 (16)	180	flanged	6,1
-01	10s8br1		130	union	2,6
-02	10s8br2		130	welding	2,6
-03	10s9br	2,5 (25)	184	flanged	6,4
-04	10s9br1		130	union	2,6
-05	10s9br2		130	welding	2,6
-06	10s10br	4,0 (40)	235	flanged	6,3
-07	10s10br1		130	union	2,6
-08	10s10br2		130	welding	2,6
BPA39003-040	10s8br	1,6 (16)	184	flanged	7,1
-01	10s8br1		184	union	7,1
-02	10s8br2		130	welding	2,6
-03	10s9br	2,5 (25)	192	flanged	7,3
-04	10s9br1		130	union	3
-05	10s9br2		130	welding	2,6
-06	10s10br	4,0 (40)	240	flanged	7,1
-07	10s10br1		130	union	3
-08	10s10br2		130	welding	2,6
BPA39003-050	10s8br	1,6 (16)	260	flanged	14,5
-01	10s8br1		160	union	9
-02	10s8br2		160	welding	8,8
-03	10s9br	2,5 (25)	265	flanged	14,8
-04	10s9br1		160	union	9
-05	10s9br2		160	welding	8,6
-06	10s10br	4,0 (40)	280	flanged	14,3
-07	10s10br1		160	union	9
-08	10s10br2		160	welding	8,6