PLJOSNATI ZASUNI

SLUICE VALVES

3

PRIMENA

Pljosnati zasuni su uređaji koji služe kao zaporni organi u cevovodima. Široku primenu nalaze u komunalnim objektima vodovoda, kanalizacije i grejanja, u energetskim objektima za proizvodnju pare, tople vode i komprimovanog vazduha, u brodogradnji, metalurgiji, hemijskoj i petrohemijskoj industriji i drugim granama privredne delatnosti.

Primena zasuna naročito se preporučuje u cevovodima u kojima su oni za vreme rada potpuno otvoreni ili potpuno zatvoreni, a strujanje radnog fluida može da bude u oba smera.

Pljosnati zasuni se ne preporučuju za ugradnju u cevovodima gde je učestanost zatvaranja i otvaranja velika, a nisu pogodni ni kao regulatori protoka radnog fluida.

IZVOĐENJE

Prekidanje protoka nastaje usled spuštanja zapornih diskova u kućište zasuna normalno na smer strujanja radnog fluida. Zaporni diskovi se preko vratila sa trapeznim navojem podižu ili spuštaju. Zaptivne površine na kućištu i disku izvedene su sa blagim nagibom, tako da se sa ovakvim načinom zaptivanja smanjuje trenje.

Zaptivne površine kućišta zasuna i diska su od nerđajućeg čelika sa odgovarajućom razlikom u tvrdoći površina. Ovim se izbegava nepoželjna pojava smicanja materijala usled trenja. Zaptivanje između izlaznog dela vratila i gornjeg dela kućišta vrši se preko azbestno-grafitne pletenice.

APPLICATION

Flat slide valves are the units that serve the purpose of shutoff bodies in the pipelines. They are widely applied in facilities like waterworks, sewage and central heating, in power plants for generation of steam, hot water and compressed air, in ship building industry, metallurgy, chemical and petrochemical industries and other branches of industry.

The application of slide valves is highly recommended in pipelines where they are fully open or fully closed during the operation, and the flowing of operating fluid may be in both directions. The flat slide valves are not recommended for fitting into pipelines where the frequency of closing and opening is high, and they are not suitable as regulators of operating fluid flow either.

FABRICATION

The flow is stopped when the shutoff discs are lowered into the slide valve housing, normally on to the operating fluid flow direction. The shutoff discs are lifted or lowered via the shaft with trapezoidal threads. The sealing surfaces on the housing and the disc are designed with a gentle inclination and such way of sealing reduces the friction.

The sealing surfaces of the slide valve housing and the disc are made of stainless steel with a corresponding difference in surfaces hardness. This prevents a non-desired phenomenon - material shearing due to friction. The sealing between the shaft outlet part and

Za čiste i neagresivne radne fluide primenjujemo zasune sa aksijalno-nepomičnim vretenom, a za nečiste i agresivne radne fluide ugrađujemo zasune sa pomičnim vretenom. Za tečnosti sa velikim sadržajem guste nečistoće ili peska isporučujemo zasune sa odmuljnim kanalom.

Pljosnate zasune izrađujemo sa ugradbenim dužinama koje odgovaraju standardu JUS M.C5.005 -F4 i DIN 3202 - F4, priključne mere prirubnica prema JUS M.B6.011 i DIN 2501, najvećeg nazivnog prečnika DN 2000 (mm), najvećeg nazivnog pritiska NP 10 (bar) i temperature 200 (°C).

Pogoni, koje isporučujemo uz pljosnate zasune, su ručni i/ili elektro-mehanički, a na zahtev kupca pljosnate zasune isporučujemo i sa drugim vrstama pogona.

MATERIJAL

Kućište i zaporne diskove pljosnatih zasuna izrađujemo od konstrukcionih čelika, s tim da su zaptivne površine na njima od nerđajućih čelika odgovarajućih tvrdoća.

Trapezno vreteno izrađujemo od odgovarajućeg nerđajućeg čelika, a klizne ležajeve od sivog liva.

NARUČIVANJE

Naručivanje se vrši opisno kao što je dato u opštim napomenama.

housing upper part is effected by the asbestos-graphite cord.

For the clean and non-aggressive operating fluids, we apply slide valves with axially-static spindle, and for foul and aggressive operating fluids we fit the valves with a movable spindle. For the liquids with high contents of dense impurity or sand we supply the slide valves with a desludging channel.

The flat slide valves are fabricated with in-built lengths that correspond JUS standard M.C5.005-F4 and DIN 3202-F4, the flanges in-built measures are according to JUS M.B6.011 and DIN 2501, of the largest nominal diameter DN 2000 (mm), largest nominal pressure NP 10 (bar) and temperature 200(°C).

The drives that we recommend for flat slide valves are manual and/or, electro-mechanical drives. Upon the request of the customer we can supply the flat slide valves with other drive types

MATERIAL

The flat slide valve housing and discs are fabricated of structural steel , and the sealing surfaces on them are of corresponding hardness stainless steels .

The trapezoidal spindle is made of corresponding stainless steel and slide bearings are made of gray cast iron.

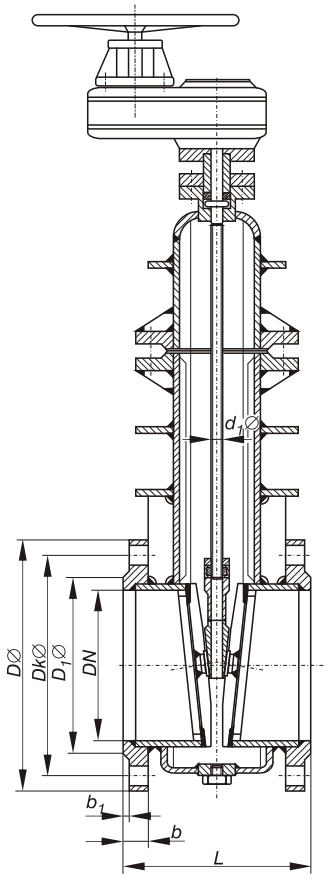
HOW TO ORDER

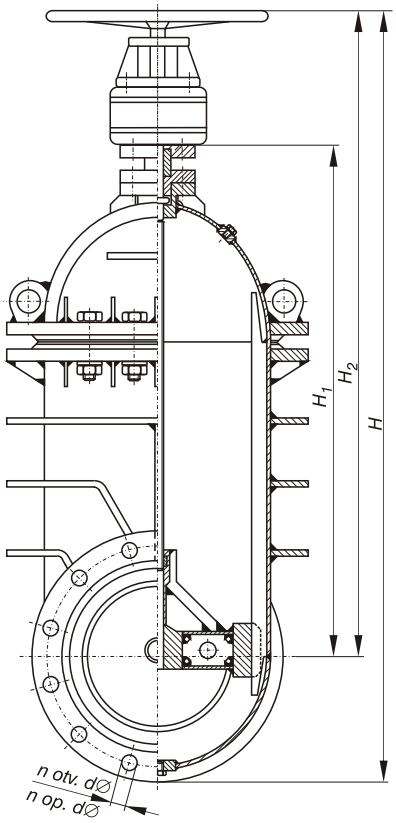
You can order as described in general notes.

PLJOSNATI ZASUNI
sa aksijalno nepomičnim vretenom
SLUICE VALVES with axially-static valve spindle
NP 6; 10 DN 150 - 2000

PZNR

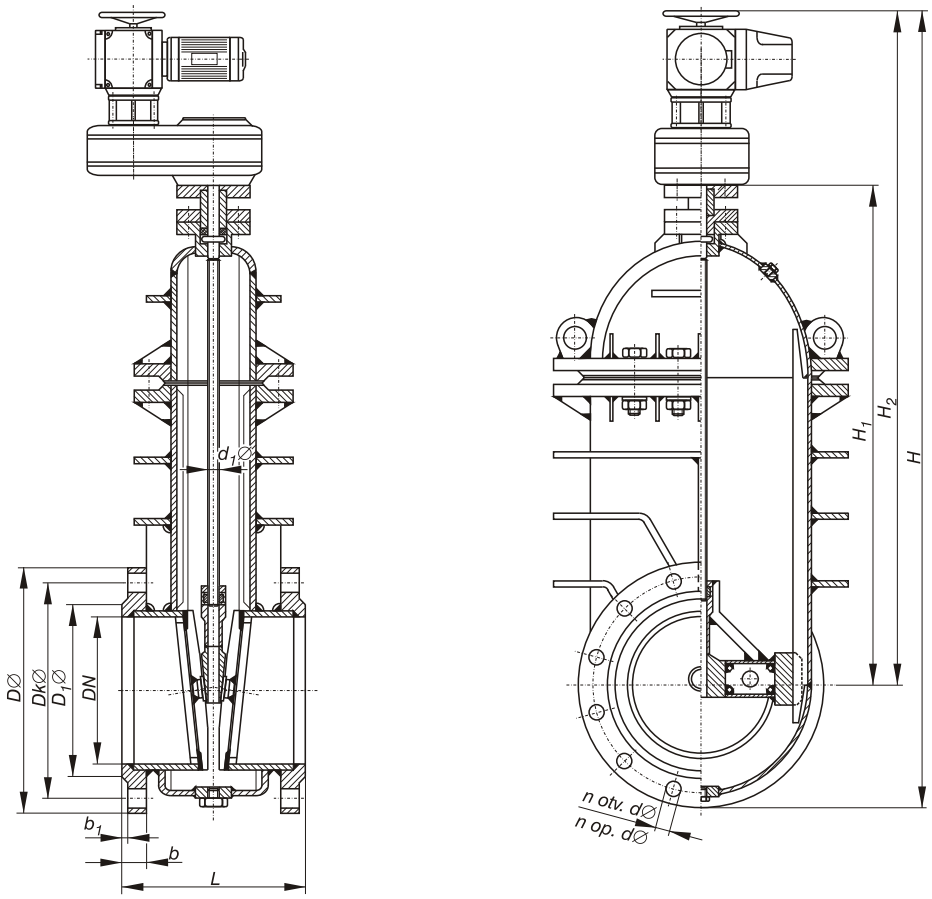
RUČNI POGON - MANUAL DRIVE





DN	NP	D∅	Dk∅	D_1∅	n	d∅	L	b	b_1	d_1∅	H	H_1	H_2	m(kg)
150	10	285	240	212	8	22	210	22	3	22	573	398	430	45
175	10	315	270	242	8	22	220	24	3	26	668	476	510	64
200	10	340	295	268	8	22	230	24	3	26	695	491	525	72
250	10	395	350	320	12	22	250	26	3	26	823	587	625	100
300	10	445	400	370	12	22	270	26	4	28	948	687	725	127
350	10	505	460	430	16	22	290	26	4	32	1083	788	830	172
400	10	565	515	482	16	26	310	26	4	32	1228	903	945	221
450	10	615	565	532	20	26	330	26	4	36	1333	978	1025	300
500	10	670	620	585	20	26	350	28	4	40	1670	1235	1335	485
600	10	780	725	685	20	30	390	28	5	44	1885	1395	1495	600
700	10	895	840	800	24	30	430	30	5	44	2098	1530	1650	780
800	10	1015	950	905	24	33	470	32	5	50	2358	1720	1850	1045
900	6	1075	1020	980	24	30	510	26	5	55	2528	1850	1990	1375
1000	6	1175	1120	1080	28	30	550	26	5	60	2768	2030	2180	1685
1200	6	1405	1340	1295	32	33	630	28	5	70	3303	2450	2600	2730
1400	6	1630	1560	1510	36	36	710	32	5	80	3745	2770	2930	3645
1600	6	1830	1760	1710	40	36	790	34	5	85	4245	3170	3330	4900
1800	6	2045	1970	1920	44	39	870	36	5	85	4683	3490	3660	6445
2000	6	2265	2180	2125	48	42	950	38	5	95	5158	3855	4025	8475

ELEKTRO-MEHANIČKI POGON - ELECTRO-MECHANICAL DRIVE

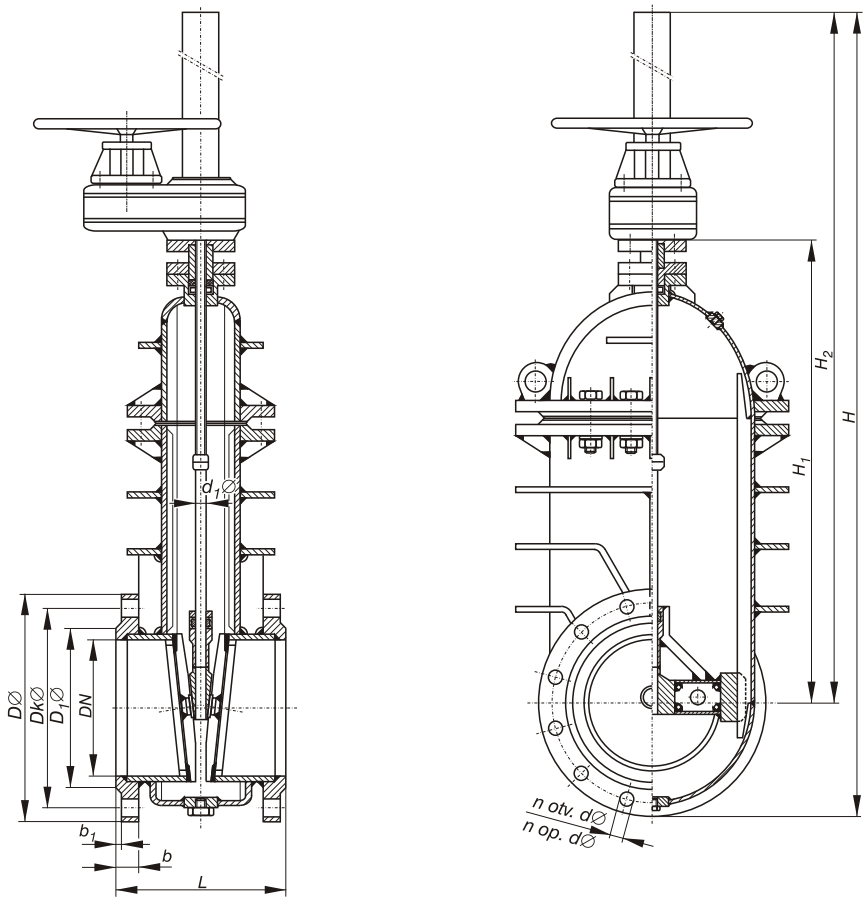


DN	NP	D∅	Dk∅	D_1∅	n	d∅	L	b	b_1	d_1∅	H	H_1	H_2	m(kg)
150	10	285	240	212	8	22	210	22	3	22	733	398	590	45
175	10	315	270	242	8	22	220	24	3	26	828	476	670	64
200	10	340	295	268	8	22	230	24	3	26	855	491	685	72
250	10	395	350	320	12	22	250	26	3	26	983	587	785	100
300	10	445	400	370	12	22	270	26	4	28	1108	687	885	127
350	10	505	460	430	16	22	290	26	4	32	1243	788	990	172
400	10	565	515	482	16	26	310	26	4	32	1388	903	1105	221
450	10	615	565	532	20	26	330	26	4	36	1493	978	1185	300
500	10	670	620	585	20	26	350	28	4	40	2055	1235	1720	485
600	10	780	725	685	20	30	390	28	5	44	2270	1395	1880	600
700	10	895	840	800	24	30	430	30	5	44	2483	1530	2035	780
800	10	1015	950	905	24	33	470	32	5	50	2817	1720	2309	1045
900	6	1075	1020	980	24	30	510	26	5	55	2987	1850	2449	1375
1000	6	1175	1120	1080	28	30	550	26	5	60	3220	2030	2632	1685
1200	6	1405	1340	1295	32	33	630	28	5	70	3755	2450	3052	2730
1400	6	1630	1560	1510	36	36	710	32	5	80	4257	2770	3442	3645
1600	6	1830	1760	1710	40	36	790	34	5	85	4816	3170	3901	4900
1800	6	2045	1970	1920	44	39	870	36	5	85	5254	3490	4231	6445
2000	6	2265	2180	2125	48	42	950	38	5	95	5729	3855	4596	8475

PLJOSNATI ZASUNI
sa aksijalno pomičnim vretenom
SLUICE VALVES with axially-movable valve spindle
NP 6; 10 DN 150 - 2000

PZPR

RUČNI POGON - MANUAL DRIVE

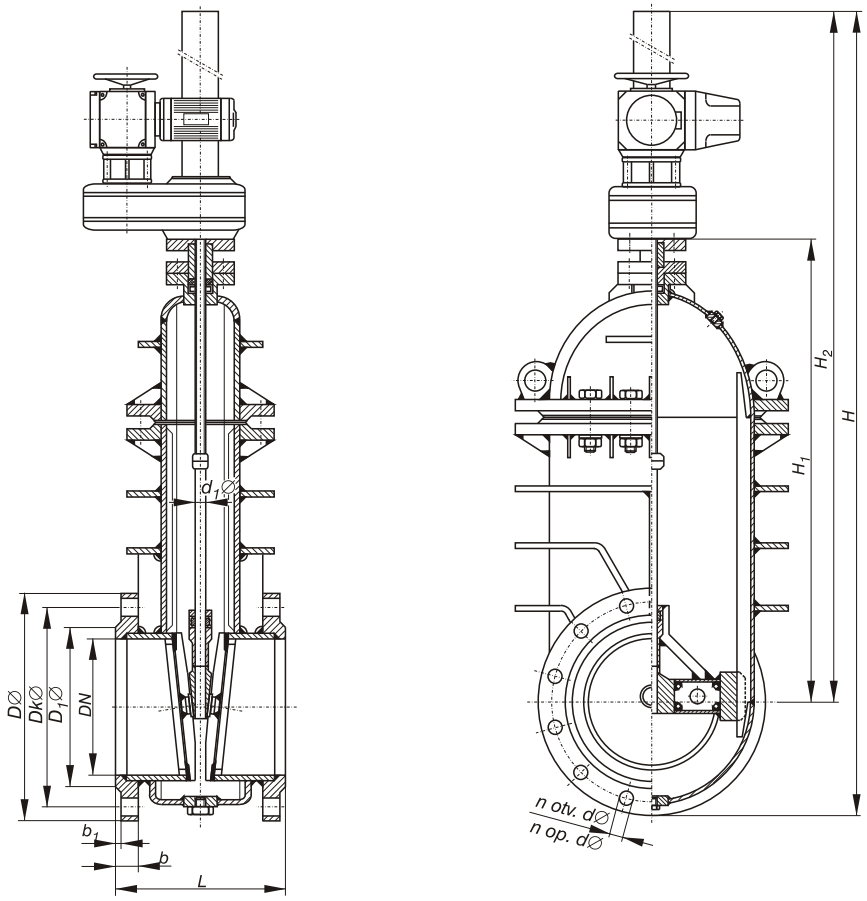


DN	NP	D∅	Dk∅	D_1∅	n	d∅	L	b	b_1	d_1∅	H	H_1	H_2	m(kg)
150	10	285	240	212	8	22	210	22	3	22	943	398	800	37
175	10	315	270	242	8	22	220	24	3	26	1063	476	905	60
200	10	340	295	268	8	22	230	24	3	26	1170	491	1000	67
250	10	395	350	320	12	22	250	26	3	26	1398	587	1200	100
300	10	445	400	370	12	22	270	26	4	28	1633	687	1410	127
350	10	505	460	430	16	22	290	26	4	32	1953	788	1700	173
400	10	565	515	482	16	26	310	26	4	32	2183	903	1900	235
450	10	615	565	532	20	26	330	26	4	36	2318	978	2010	320
500	10	670	620	585	20	26	350	28	4	40	2575	1235	2240	430
600	10	780	725	685	20	30	390	28	5	44	2990	1395	2600	560
700	10	895	840	800	24	30	430	30	5	44	3398	1530	2950	847
800	10	1015	950	905	24	33	470	32	5	50	3798	1720	3290	980
900	6	1075	1020	980	24	30	510	26	5	55	4253	1850	3715	1265
1000	6	1175	1120	1080	28	30	550	26	5	60	4703	2030	4115	1648
1200	6	1405	1340	1295	32	33	630	28	5	70	5558	2450	4855	2788
1400	6	1630	1560	1510	36	36	710	32	5	80	6410	2770	5595	3485
1600	6	1830	1760	1710	40	36	790	34	5	85	7300	3170	6385	4760
1800	6	2045	1970	1920	44	39	870	36	5	85	8093	3490	7070	6330
2000	6	2265	2180	2125	48	42	950	38	5	95	8913	3855	7780	8380

PLJOSNATI ZASUNI
sa aksijalno pomičnim vretenom
SLUICE VALVES with axially-movable valve spindle
NP 6; 10 DN 150 - 2000

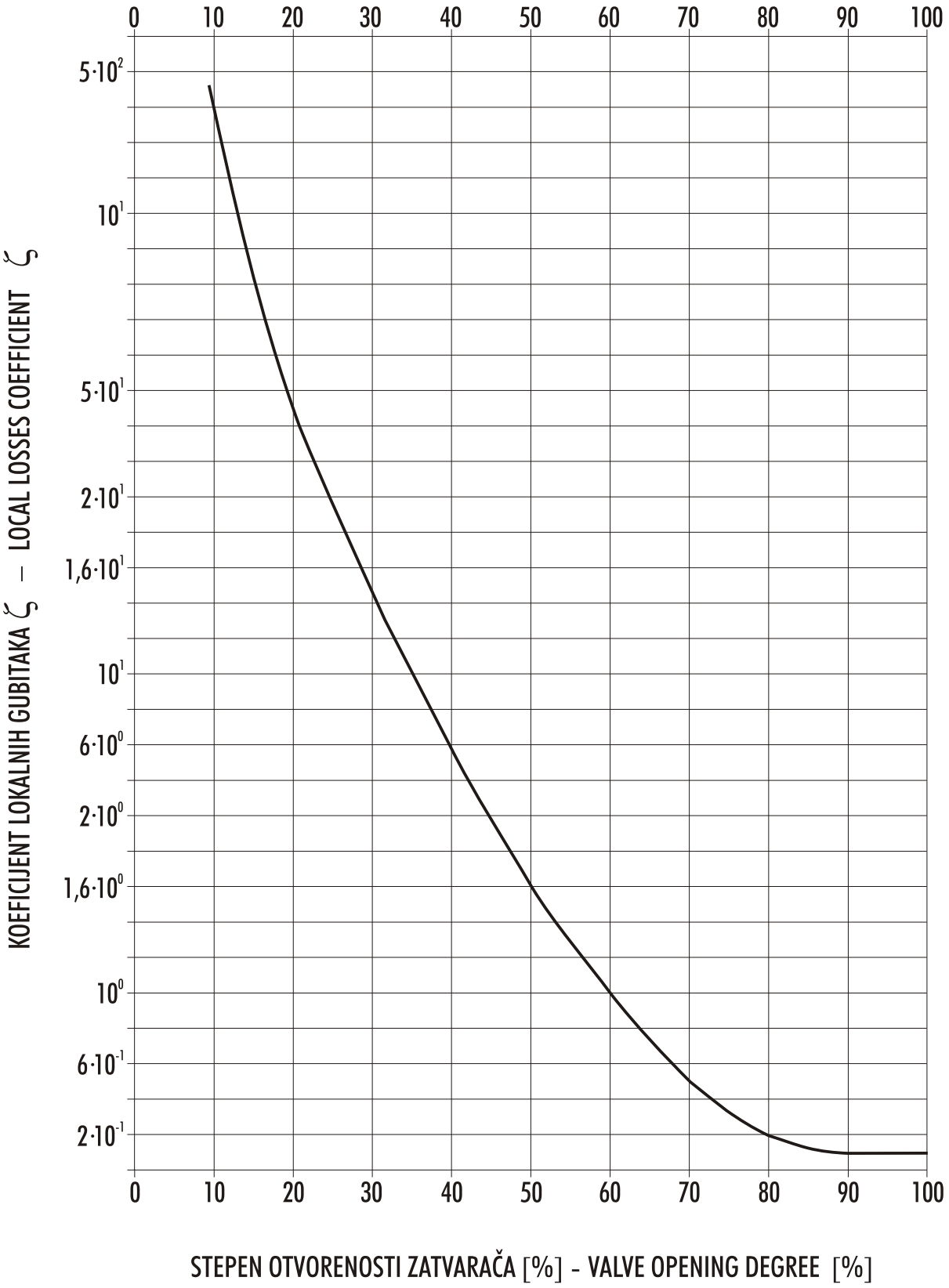
PZPE

ELEKTRO-MEHANIČKI POGON - ELECTRO-MECHANICAL DRIVE



DN	NP	D∅	Dk∅	D_1∅	n	d∅	L	b	b_1	d_1∅	H	H_1	H_2	m(kg)
150	10	285	240	212	8	22	210	22	3	22	943	398	800	47
175	10	315	270	242	8	22	220	24	3	26	1063	476	905	70
200	10	340	295	268	8	22	230	24	3	26	1170	491	1000	77
250	10	395	350	320	12	22	250	26	3	26	1398	587	1200	110
300	10	445	400	370	12	22	270	26	4	28	1633	687	1410	137
350	10	505	460	430	16	22	290	26	4	32	1953	788	1700	183
400	10	565	515	482	16	26	310	26	4	32	2183	903	1900	245
450	10	615	565	532	20	26	330	26	4	36	2318	978	2010	330
500	10	670	620	585	20	26	350	28	4	40	2575	1235	2240	500
600	10	780	725	685	20	30	390	28	5	44	2990	1395	2600	630
700	10	895	840	800	24	30	430	30	5	44	3398	1530	2950	915
800	10	1015	950	905	24	33	470	32	5	50	3798	1720	3290	1100
900	6	1075	1020	980	24	30	510	26	5	55	4253	1850	3715	1430
1000	6	1175	1120	1080	28	30	550	26	5	60	4703	2030	4115	1815
1200	6	1405	1340	1295	32	33	630	28	5	70	5558	2450	4855	2975
1400	6	1630	1560	1510	36	36	710	32	5	80	6410	2770	5595	3770
1600	6	1830	1760	1710	40	36	790	34	5	85	7300	3170	6385	5045
1800	6	2045	1970	1920	44	39	870	36	5	85	8093	3490	7070	6615
2000	6	2265	2180	2125	48	42	950	38	5	95	8913	3855	7780	8665

Dijagram koeficijenta lokalnih gubitaka - Local losses coefficient diagram



"MIN - AGH" d.d. Preduzeće za razvoj, proizvodnju i promet armature
18 240 GADŽIN HAN, tel.: 018/ 860-120, 860-009, 860-911; fax: 860-119

PLJOSNATI ZASUNI - VISOKOPRITISNI

4

HIGH PRESSURE SLUICE VALVES

PRIMENA

Pljosnati zasuni - visokopritisni su uređaji koji služe kao zaporni organi u cevovodima. Široku primenu nalaze u komunalnim objektima vodovoda i grejanja, u energetskim objektima za proizvodnju pare, tople vode i komprimiranog vazduha.

Primena zasuna naročito se preporučuje u cevovodima u kojima su oni u toku rada potpuno otvoreni ili potpuno zatvoreni, a strujanje radnog fluida može da bude u oba smera. Pljosnati zasuni - visokopritisni nisu pogodni kao regulatori protoka radnog fluida.

IZVOĐENJE

Pljosnate zasune - viskopritisne izrađujemo sa ugradbenim dužinama ovalnih zasuna (L= DN + 200 mm) koje odgovaraju standardu JUS M.C5.005-F5 i DIN 3202-F5, priključnim merama prirubnica prema JUS M.B6.011 i DIN 2501, najvećeg nazivnog prečnika DN 1000 za NP 16 i NP 25 (bar) i temperature 200 (°C).

Pogoni koje isporučujemo su ručni ili elektro-mehanički, a na zahtev kupca pljosnate zasune isporučujemo i sa drugim vrstama pogona.

Zasune izrađujemo sa aksijalno nepomičnim vretenom, a na zahtev kupca sa pomičnim vretenom.

MATERIJAL

Kućište i zaporne diskove izrađujemo od konstrukcionih čelika, stim da su zaptivne površine na njima od nerđajućih čelika odgovarajuće tvrdoće. Trapezno vreteno izrađujemo od odgovarajućeg nerđajućeg čelika, a klizne ležajeve od sivog liva.

NARUČIVANJE

Naručivanje se vrši opisno kao što je dato u opštim napomenama ili popunjavanjem upitnog lista.

APPLICATION

High pressure sluice valves are the units that serve the purpose of shutoff bodies in the pipelines. They are widely applied in communal facilities-waterworks and district heating systems, in power plants for steam, hot water and compressed air generation.

The application of sluice valves is recommended for fitting into the pipelines, where they are fully open or closed, and where operating fluid flow is in both directions. They are not recommended as the operating fluid flow regulators.

FABRICATION

High pressure sluice valves are fabricated with in built lengths of oval slide valves (L=DN+200mm) that correspond to JUS M.C5.005-F5 and DIN 3202-F5 standard, connecting measures of flanges according to JUS M.B6.011 and DIN 2501, of the largest nominal diameter DN=1000 for NP 16 and NP 25 (bar) and temperature of 200 (°C).

The supplied drives are manual or electro-mechanical and upon the request of the customer we deliver sluice valves with other drive types, as well.

We produce sluice valves with axially immobile spindle and if requested by customer, with mobile spindle, as well.

MATERIAL

The housing and shutoff disks are made of structural steel, the sealing surfaces on them being made of corresponding hardness stainless steel. Taper sided spindle is made of corresponding stainless steel and slide bearings of grey iron cast.

HOW TO ORDER

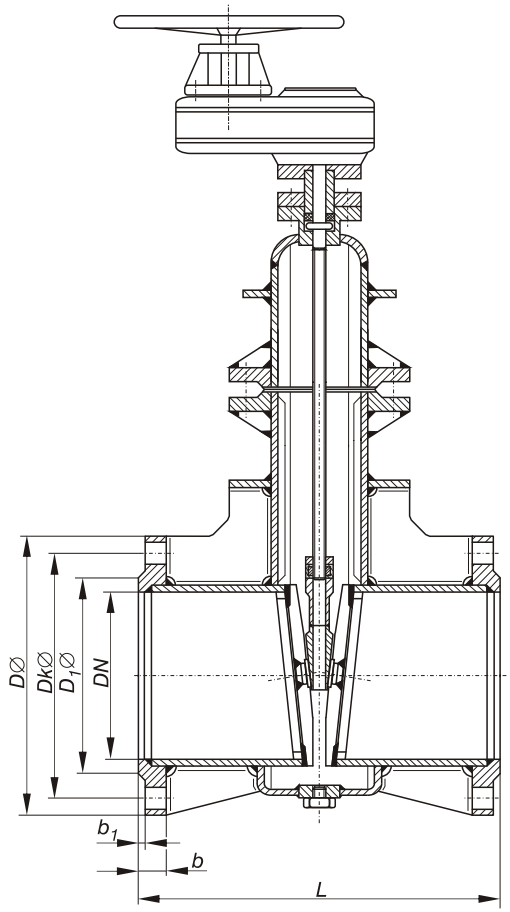
You can order as described in general notes or by filling in the Questionary.

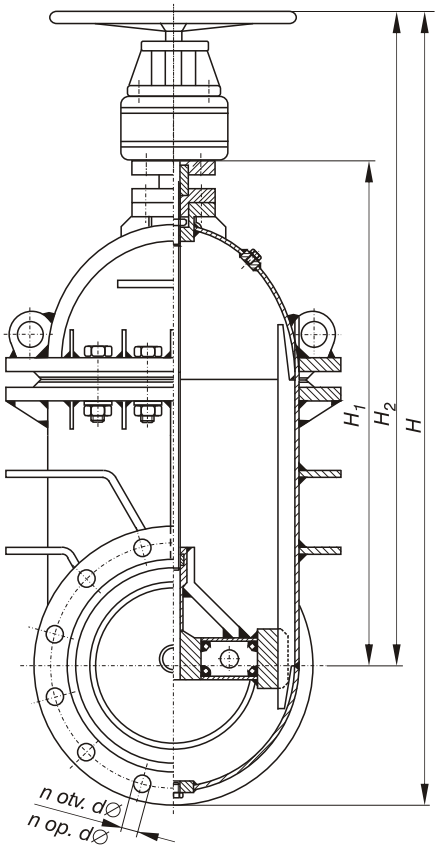
PLJOSNATI ZASUNI - VISOKOPRITISNI
HIGH PRESSURE SLUICE VALVES
NP 16 DN 150 - 1000

PZVR

4

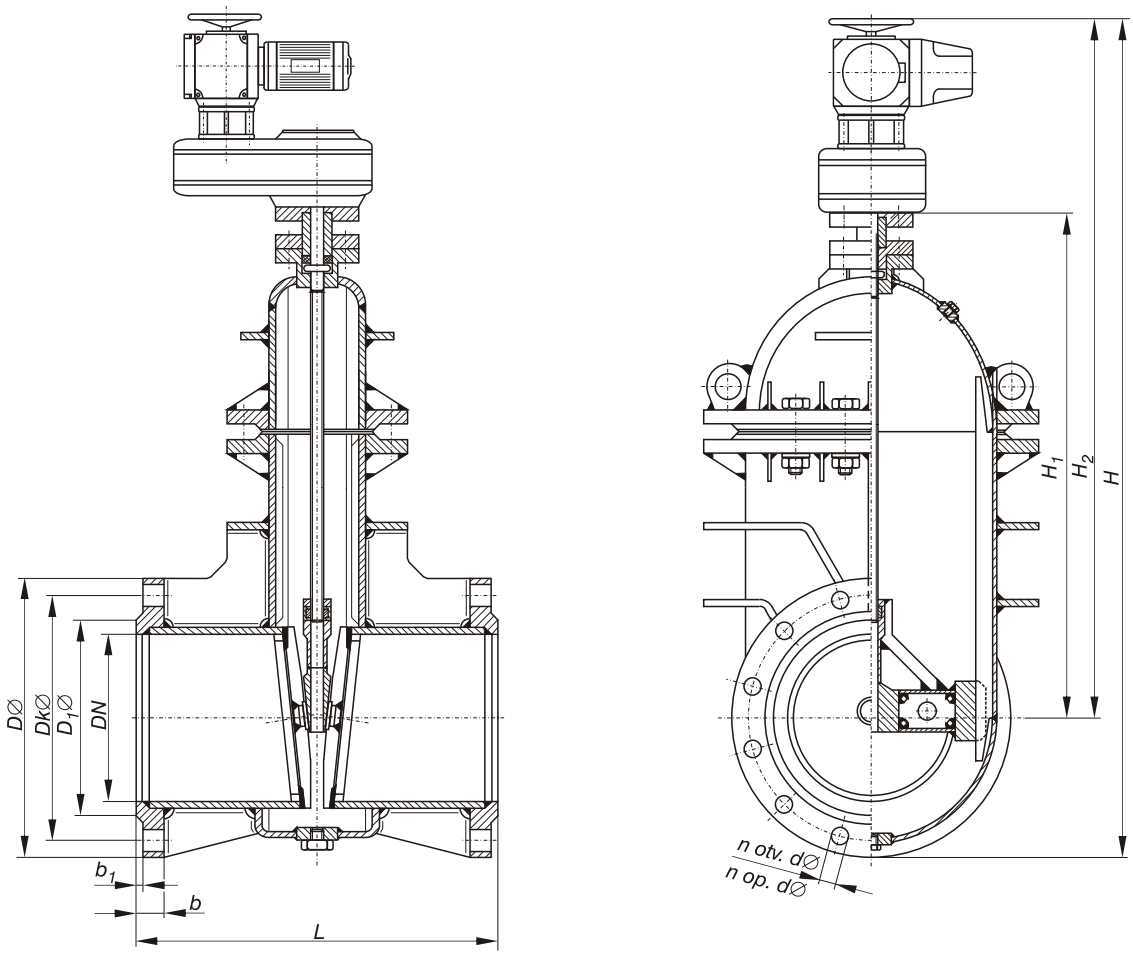
RUČNI POGON - MANUAL DRIVE





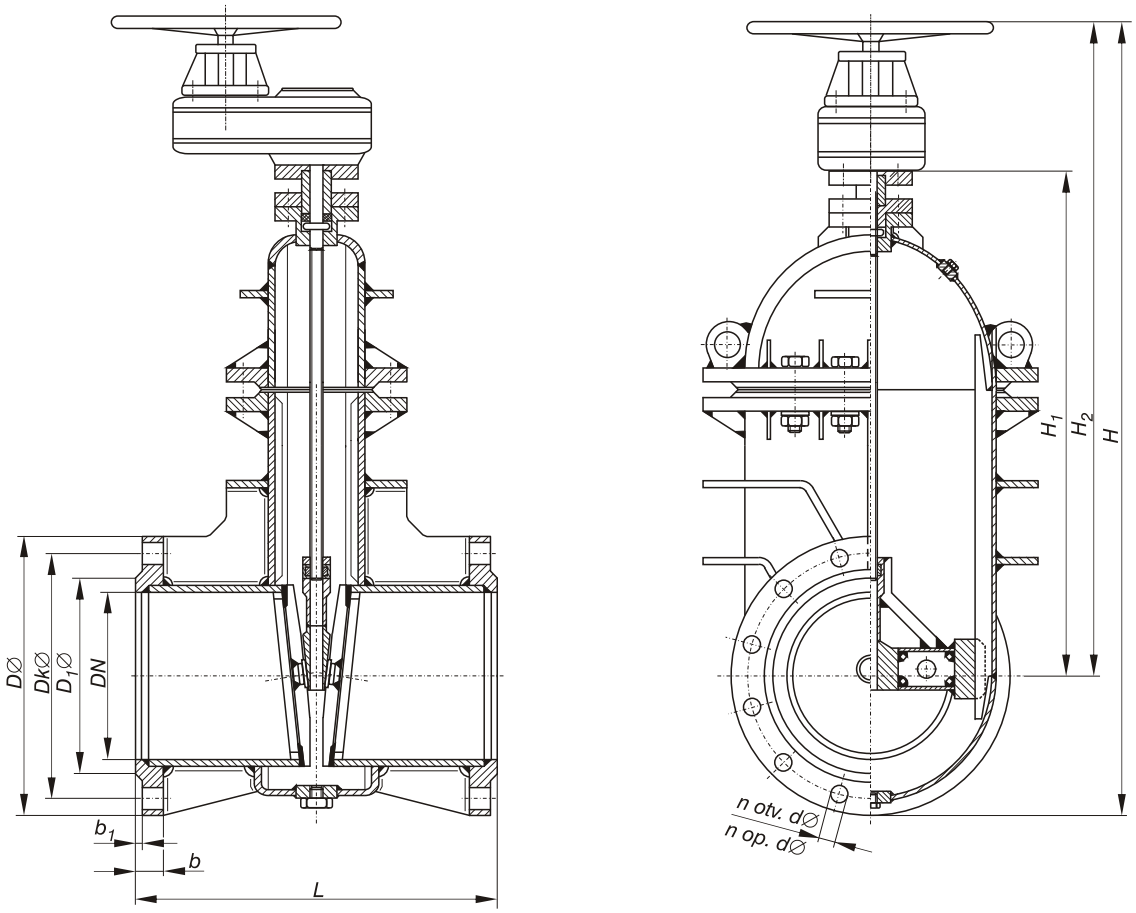
DN	DØ	DkØ	D1Ø	n	dØ	L	b	b1	H	H1	H2	m(kg)
150	285	240	212	8	22	350	22	3	573	398	430	70
175	315	270	242	8	22	375	24	3	668	476	510	100
200	340	295	268	12	22	400	26	3	695	491	525	115
250	405	355	320	12	26	450	32	3	823	587	625	155
300	460	410	378	12	26	500	32	4	948	687	725	200
350	520	470	438	16	26	550	36	4	1083	788	830	270
400	580	525	490	16	30	600	38	4	1228	903	945	345
450	640	585	550	20	30	650	40	4	1333	978	1025	465
500	715	650	610	20	33	700	42	4	1670	1235	1335	750
600	840	770	725	20	36	800	48	5	1885	1395	1495	930
700	910	840	795	24	36	900	54	5	2098	1530	1650	1210
800	1025	950	900	24	39	1000	56	5	2358	1720	1850	1620
900	1125	1050	1000	28	39	1100	60	5	2528	1850	1990	2130
1000	1255	1170	1115	28	42	1200	64	5	2768	2030	2180	2610

ELEKTRO-MEHANIČKI POGON - ELECTRO-MECHANICAL DRIVE



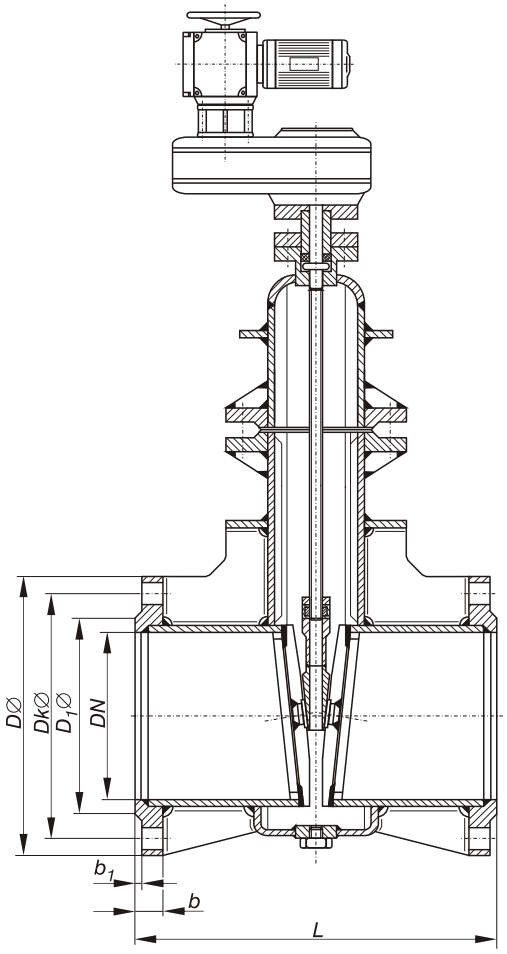
DN	D∅	Dk∅	D_1∅	n	d∅	L	b	b_1	H	H_1	H_2	m(kg)
150	285	240	212	8	22	350	22	3	733	398	590	80
175	315	270	242	8	22	375	24	3	828	476	670	110
200	340	295	268	12	22	400	26	3	855	491	685	125
250	405	355	320	12	26	450	32	3	983	587	785	165
300	460	410	378	12	26	500	32	4	1108	687	885	210
350	520	470	438	16	26	550	36	4	1243	788	990	280
400	580	525	490	16	30	600	38	4	1388	903	1105	360
450	640	585	550	20	30	650	40	4	1493	978	1185	480
500	715	650	610	20	33	700	42	4	2055	1235	1720	770
600	840	770	725	20	36	800	48	5	2270	1395	1880	950
700	910	840	795	24	36	900	54	5	2483	1530	2035	1230
800	1025	950	900	24	39	1000	56	5	2817	1720	2309	1650
900	1125	1050	1000	28	39	1100	60	5	2987	1850	2449	2160
1000	1255	1170	1115	28	42	1200	64	5	3220	2030	2632	2640

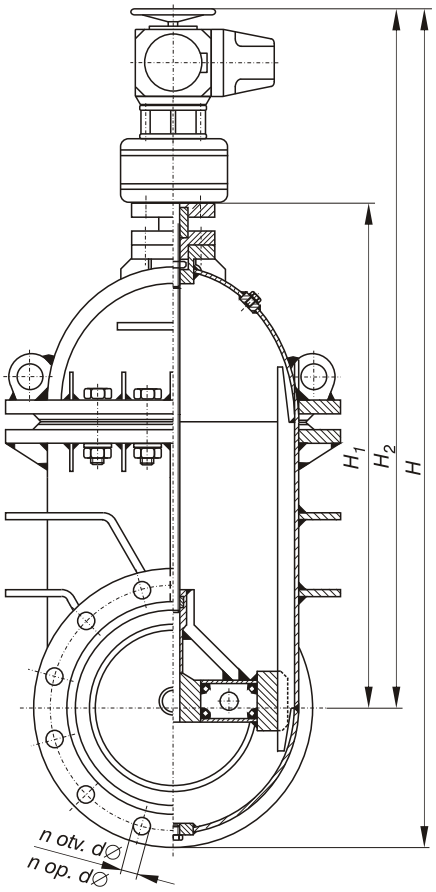
RUČNI POGON - MANUAL DRIVE



DN	DØ	DkØ	D1Ø	n	dØ	L	b	b1	H	H1	H2	m(kg)
150	300	250	218	8	26	350	30	3	573	398	430	80
175	330	280	248	12	26	375	32	3	668	476	510	115
200	360	310	278	12	26	400	32	3	695	491	525	130
250	425	370	335	12	30	450	36	3	823	587	625	180
300	485	430	395	16	30	500	38	4	948	687	725	230
350	555	490	450	16	33	550	42	4	1083	788	830	310
400	620	550	505	16	36	600	44	4	1228	903	945	400
450	670	600	560	20	36	650	46	4	1333	978	1025	540
500	730	660	615	20	36	700	50	4	1670	1235	1335	875
600	845	770	720	20	39	800	54	5	1885	1395	1495	1080
700	960	875	820	24	42	900	60	5	2098	1530	1650	1405
800	1085	990	930	24	48	1000	66	5	2358	1720	1850	1880
900	1185	1090	1030	28	48	1100	68	5	2528	1850	1990	2475
1000	1320	1210	1140	28	56	1200	75	5	2768	2030	2180	3030

ELEKTRO-MEHANIČKI POGON - ELECTRO-MECHANICAL DRIVE





DN	DØ	DkØ	D_1Ø	n	dØ	L	b	b_1	H	H_1	H_2	m(kg)
150	300	250	218	8	26	350	30	3	733	398	590	90
175	330	280	248	12	26	375	32	3	828	476	670	125
200	360	310	278	12	26	400	32	3	855	491	685	140
250	425	370	335	12	30	450	36	3	983	587	785	190
300	485	430	395	16	30	500	38	4	1108	687	885	240
350	555	490	450	16	33	550	42	4	1243	788	990	310
400	620	550	505	16	36	600	44	4	1388	903	1105	415
450	670	600	560	20	36	650	46	4	1493	978	1185	555
500	730	660	615	20	36	700	50	4	2055	1235	1720	900
600	845	770	720	20	39	800	54	5	2270	1395	1880	1100
700	960	875	820	24	42	900	60	5	2483	1530	2035	1430
800	1085	990	930	24	48	1000	66	5	2817	1720	2309	1900
900	1185	1090	1030	28	48	1100	68	5	2987	1850	2449	2500
1000	1320	1210	1140	28	56	1200	75	5	3220	2030	2632	3060

OKRUGLI ZASUNI

ROUND GATE VALVES

5

PRIMENA

Okrugli zasuni su uređaji koji služe kao zaporni organi u cevovodima. Široku primenu nalaze u komunalnim objektima vodovoda, kanalizacije i grejanja, u energetskim objektima za proizvodnju pare, tople vode i komprimovanog vazduha, u brodogradnji, metalurgiji, hemijskoj i petrohemijskoj industriji i drugim granama privredne delatnosti.

Primena zasuna naročito se preporučuje u cevovodima u kojima su oni za vreme rada potpuno otvoreni ili potpuno zatvoreni, a strujanje radnog fluida može da bude u oba smera.

Okrugli zasuni se ne preporučuju za ugradnju u cevovodima gde je učestanost zatvaranja i otvaranja velika, a nisu pogodni ni kao regulatori protoka radnog fluida.

IZVOĐENJE

Prekidanje protoka nastaje usled spuštanja zapornih diskova u kućište zasuna normalno na smer strujanja radnog fluida. Zaporni diskovi se preko vratila sa trapeznim navojem podižu ili spuštaju. Zaptivne površine na kućištu i disku izvedene su sa blagim nagibom, tako da se sa ovakvim načinom zaptivanja smanjuje trenje.

Zaptivne površine kućišta zasuna i diska su od nerđajućeg čelika sa odgovarajućom razlikom u tvrdoći površina. Ovim se izbegava nepoželjna pojava smicanja materijala usled trenja. Zaptivanje između izlaznog dela vratila i gornjeg dela kućišta vrši se preko azbestno-grafitne pletenice.

APPLICATION

Round gate valves are the units that serve the purpose of shutoff bodies in the pipelines. They are widely applied in facilities like waterworks, sewage and central heating, in power plants for generation of steam, hot water and compressed air, in ship-building industry, metallurgy, chemical and petrochemical industries and other branches of industry.

The application of gate valves is highly recommended in pipelines where they are fully open or fully closed during the operation, and the flowing of operating fluid may be in both directions. The round gate valves are not recommended for fitting into pipelines where the frequency of closing and opening is high, and they are not suitable as regulators of operating fluid flow either.

FABRICATION

The flow is stopped when the shutoff discs are lowered in the slide valve housing, normally on to the operating fluid flow direction. The shutoff discs are lifted or lowered via the shaft with trapezoidal threads. The sealing surfaces on the housing and the disc are designed with a gentle inclination and such way of sealing reduces the friction.

The sealing surfaces of the gate valve housing and the disc are made of stainless steel with a corresponding difference in surfaces hardness. This prevents a non-desired phenomenon - material shearing due to friction.

Za čiste i neagresivne radne fluide primenjujemo zasune sa aksijalno-nepomičnim vretenom, a za nečiste i agresivne radne fluide ugrađujemo zasune sa pomičnim vretenom. Za tečnosti sa velikim sadržajem guste nečistoće ili peska isporučujemo zasune sa odmuljnim kanalom.

Okrugle zasune izrađujemo sa ugradbenim dužinama koje odgovaraju standardu JUS M.C5.005 - F15 i DIN 3202 -F15, priključne mere prirubnica prema JUS M.B6.011 i DIN 2501 , najvećeg nazivnog prečnika DN 1200 (mm), najvećeg nazivnog pritiska NP 16 (bar), na zahtev i 25(bar) i temperature do 250 (°C).

Pogoni koje isporučujemo uz okrugle zasune su ručni i/ili elektro-mehanički, a na zahtev kupca okrugle zasune isporučujemo i sa drugim vrstama pogona.

MATERIJAL

Kućište i zaporne diskove okruglih zasuna izrađujemo od konstrukcionih čelika, s tim da su zaptivne površine na njima od nerđajućih čelika odgovarajućih tvrdoća.

Trapezno vreteno izrađujemo od odgovarajućih nerđajućih čelika, a klizne ležajeve od sivog liva.

NARUČIVANJE

Naručivanje se vrši opisno kao što je dato u opštim napomenama.

The sealing between the shaft outlet part and housing upper part is effected by the asbestos-graphite cord.

For the clean and non-aggressive operating fluids, we apply gate valves with axially resting spindle, and for foul and aggressive operating fluids we fit the valves with a movable spindle. For the liquids with a high contents of dense impurity or sand we supply the gate valves with a desludging channel.

The round gate valves are fabricated with in-built lengths that correspond to JUS standard M.C5.005-F15 and DIN 3202-F15, the flanges in-built measures are according to JUS M.B6.011 and DIN 2501, of the largest nominal diameter DN 1200 (mm), largest nominal pressure NP 16 (bar), and 25 (bar) if requested and temperature up to 250(°C).

The drives that we supply with round gate valves are manual and/or, electro-mechanical drives. Upon the request of the customer we can supply the round gate valves with other drive types.

MATERIAL

The round gate valve housing and discs are fabricated of structural steel , and the sealing surfaces on them are of corresponding hardness stainless steels .

The trapezoidal spindle is made of corresponding stainless steels and slide bearings are made of gray cast iron.

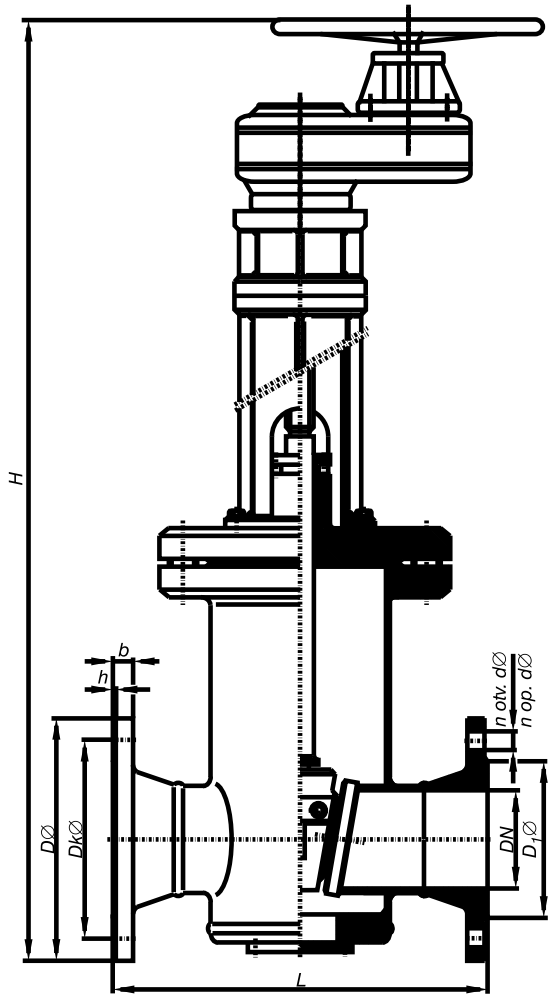
HOW TO ORDER

You can order as described in general notes.

OKRUGLI ZASUNI
sa aksijalno nepomičnim vretenom
ROUND GATE VALVES
with axially-static gate spindle
NP 16 DN 150 - 1200

OZNR

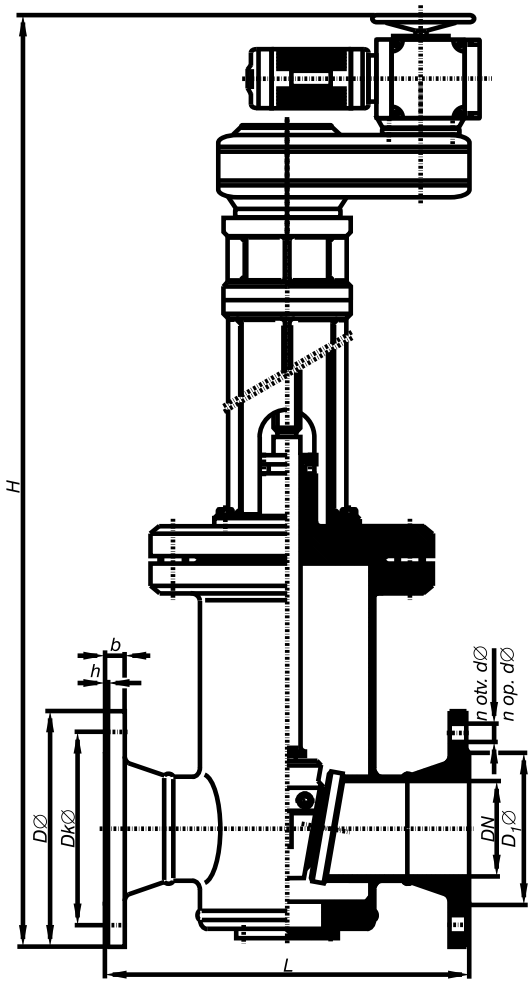
RUČNI POGON - MANUAL DRIVE



DN	DØ	DkØ	D1Ø	n	dØ	L	H	b	h	m(kg)
150	285	240	212	8	22	390	750	24	3	120
175	315	270	242	8	22	430	800	26	3	160
200	340	295	268	12	22	460	900	26	3	190
250	405	355	320	12	26	530	1100	32	3	222
300	460	410	378	12	26	630	1300	32	4	370
350	520	470	438	16	26	690	1500	36	4	467
400	580	525	490	16	30	750	1700	38	4	650
450	640	585	550	20	30	810	1800	40	4	860
500	715	650	610	20	33	880	2000	42	4	1125
600	840	770	725	20	36	1000	2200	48	5	1685
700	910	840	795	24	36	1130	2400	54	5	2250
800	1025	950	900	24	39	1250	2700	56	5	3195
900	1125	1050	1000	28	39	1380	3000	60	5	4200
1000	1255	1170	1115	28	42	1500	3200	64	5	5000
1200	1485	1390	1330	32	48	1800	3600	75	5	7200

OKRUGLI ZASUNI
sa aksijalno nepomičnim vretenom
ROUND GATE VALVES
with axially-static gate spindle
NP 16 DN 150 - 1200

ELEKTRO-MEHANIČKI POGON - ELECTRO-MECHANICAL DRIVE

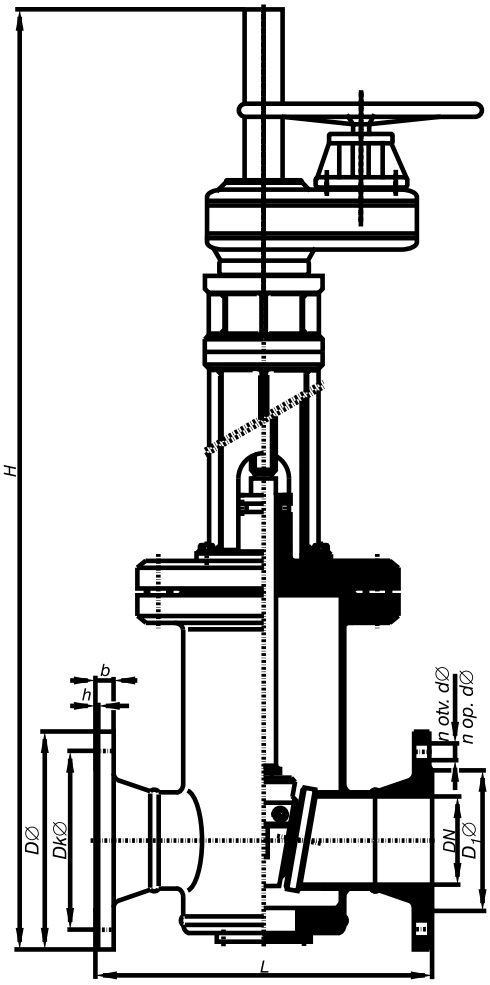


DN	DØ	DkØ	D1Ø	n	dØ	L	H	b	h	m(kg)
150	285	240	212	8	22	390	950	24	3	134
175	315	270	242	8	22	430	1000	26	3	174
200	340	295	268	12	22	460	1100	26	3	204
250	405	355	320	12	26	530	1300	32	3	236
300	460	410	378	12	26	630	1500	32	4	384
350	520	470	438	16	26	690	1700	36	4	481
400	580	525	490	16	30	750	1900	38	4	664
450	640	585	550	20	30	810	2000	40	4	874
500	715	650	610	20	33	880	2250	42	4	1163
600	840	770	725	20	36	1000	2450	48	5	1723
700	910	840	795	24	36	1130	2650	54	5	2288
800	1025	950	900	24	39	1250	3000	56	5	3233
900	1125	1050	1000	28	39	1380	3300	60	5	4238
1000	1255	1170	1115	28	42	1500	3500	64	5	5038
1200	1485	1390	1330	32	48	1800	3900	75	5	7235

OKRUGLI ZASUNI
sa aksijalno pomičnim vretenom
ROUND GATE VALVES
with axially-movable gate spindle
NP 16 DN 150 - 1200

OZPR

RUČNI POGON - MANUAL DRIVE

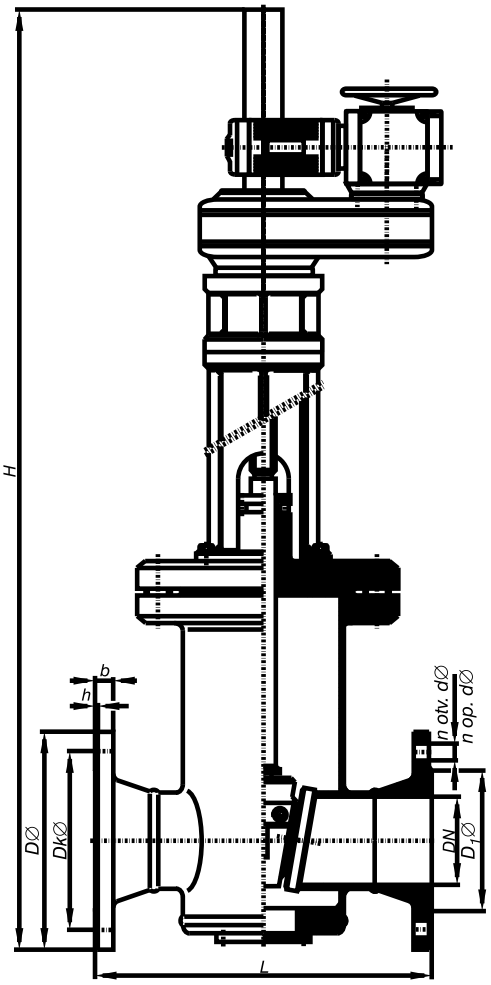


DN	D∅	Dk∅	D_1∅	n	d∅	L	H	b	h	m(kg)
150	285	240	212	8	22	390	950	24	3	120
175	315	270	242	8	22	430	1050	26	3	167
200	340	295	268	12	22	460	1150	26	3	215
250	405	355	320	12	26	530	1400	32	3	260
300	460	410	378	12	26	630	1650	32	4	410
350	520	470	438	16	26	690	1900	36	4	550
400	580	525	490	16	30	750	2150	38	4	730
450	640	585	550	20	30	810	2300	40	4	980
500	715	650	610	20	33	880	2550	42	4	1255
600	840	770	725	20	36	1000	2850	48	5	1810
700	910	840	795	24	36	1130	3150	54	5	2420
800	1025	950	900	24	39	1250	3550	56	5	3390
900	1125	1050	1000	28	39	1380	3950	60	5	4400
1000	1255	1170	1115	28	42	1500	4250	64	5	5280
1200	1485	1390	1330	32	48	1800	4850	75	5	7600

OKRUGLI ZASUNI
sa aksijalno pomičnim vretenom
ROUND GATE VALVES
with axially-movable gate spindle
NP 16 DN 150 - 1200

OZPE

ELEKTRO-MEHANIČKI POGON - ELECTRO-MECHANICAL DRIVE



DN	DØ	DkØ	D1Ø	n	dØ	L	H	b	h	m(kg)
150	285	240	212	8	22	390	950	24	3	134
175	315	270	242	8	22	430	1050	26	3	181
200	340	295	268	12	22	460	1150	26	3	229
250	405	355	320	12	26	530	1400	32	3	274
300	460	410	378	12	26	630	1650	32	4	424
350	520	470	438	16	26	690	1900	36	4	564
400	580	525	490	16	30	750	2150	38	4	744
450	640	585	550	20	30	810	2300	40	4	994
500	715	650	610	20	33	880	2550	42	4	1293
600	840	770	725	20	36	1000	2850	48	5	1848
700	910	840	795	24	36	1130	3150	54	5	2458
800	1025	950	900	24	39	1250	3550	56	5	3428
900	1125	1050	1000	28	39	1380	3950	60	5	4438
1000	1255	1170	1115	28	42	1500	4250	64	5	5318
1200	1485	1390	1330	32	48	1800	4850	75	5	7638