Kuga
Valves & Pipes

PRODUCT CATALOG 2026

Valves, Pipes & Fittings

Butterfly, globe, gate and check valves for water, HVAC, industrial and marine service. Full specifications, materials and dimensions inside.






- Butterfly Valves
- Globe & Check Valves
- Gate Valves
- Strainers & Joints
- Fire Hose & Storm Valves
- Marine Fittings

Perfecting Flow, Protecting Value

kugavalve.com

About Us

KUGA Valves & Pipes began its operations in Turkey in 2015, drawing upon more than 15 years of prior experience in the steel and related industries. Our expertise and commitment to quality quickly made us a trusted name in the local market. In 2022, we expanded globally, and in 2026 we opened Kuga Valve in Texas to serve customers across the United States directly.

At KUGA, we primarily specialize in valves, supported by a comprehensive range of high-quality steel-drawn pipes and innovative pipe fittings. Our reputation is built on delivering precise, reliable, and professional solutions tailored to meet diverse industry needs worldwide. With a global outlook and a customer-centric approach, we continue to set high standards for product quality, innovation, and exceptional customer service.

Vision

To become the global benchmark in the valve and pipe industry by delivering cutting-edge solutions renowned for their reliability, quality, and innovation. We envision a future where our products significantly contribute to the infrastructure and industrial growth worldwide, fostering long-term partnerships based on mutual trust and respect.

Mission

Our mission is to deliver unparalleled quality in valve and pipe products by understanding and anticipating our customers' requirements. We strive to continuously innovate and excel in our operations, providing sustainable and professional solutions. Committed to integrity and excellence, our goal is to enhance operational efficiencies for industries worldwide, positively impacting communities and environments through responsible and sustainable practices.

Our Core Values

Trust & Integrity
We build lasting partnerships through honesty, transparency, and mutual respect.

Quality & Excellence
Our pursuit of exceptional quality is uncompromising and consistent.

Innovation
We continuously develop and improve our products
to meet the evolving demands of industries worldwide.

Customer Focus
Customer satisfaction is the foundation of our success.
We listen, understand, and respond effectively to the needs of our clients.

Sustainability & Responsibility
We embrace ethical practices and sustainability to
ensure responsible growth for future generations

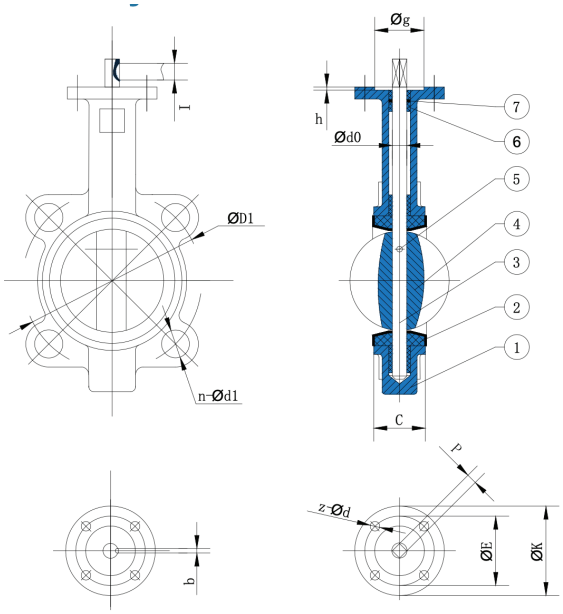
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KWB



Type: Wafer

Face to Face:
API609, BS5155, DIN3202, ISO5752

Flange:
DIN, BS, UNI, ISO, ANSI, AS, JIS

Mounting Flange: ISO5211

Working Pressure: PN16(200PSI)

Application: HVAC, Water Supply&Sewage, Food&Beverage, Chemical/petrochemical/processing, Power and Utilities, Paper

STANDART MATERIALS OF MAIN PARTS

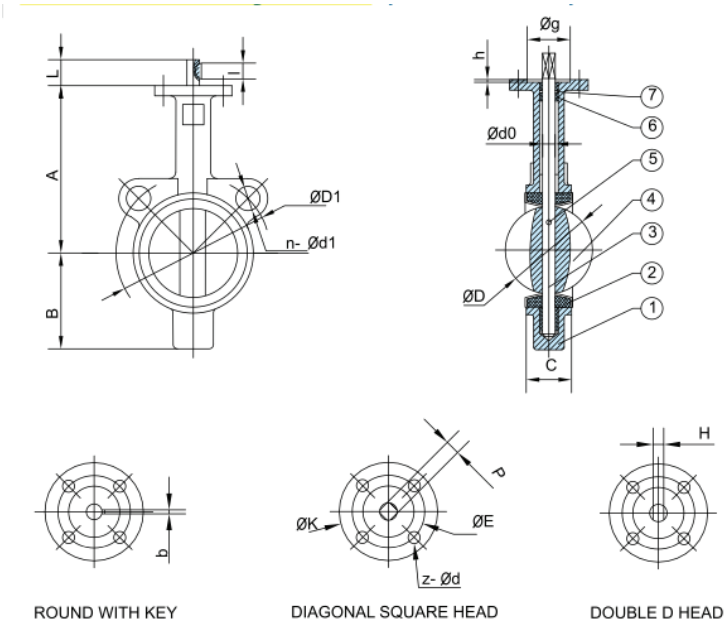
ITEM	PART NAME	MATERIAL
1	Body	CI/DI/CD/SS
2	Seat	EPDM/PTFE/VITON/NBR/Hypalon
3	Shaft	SS416/316/304
4	Disc	CF8/CF8M/DI+Ni
5	Pin	SS304/SS316
6	Bushing	PTFE, Bronze
7	o Ring	NBR,EPDM

DIMENSIONS:(mm)

SIZE		C	d0	K	E	z-d	g	h	p	bXl	PN16		PN10		ANSI 150		JIS 10K	
in	DN										D1	n-0d1	D1	n-0d1	D1	n-0d1	D1	n-0d1
2	50	42	12.6	77	50	4-7	35	3	9	3X16	125	4-18	125	4-18	120.5	4-19	120	4-19
2.5	65	44.7	12.6	77	50	4-7	35	3	9	3X16	145	4-18	145	4-18	139.5	4-19	140	4-19
3	80	45.2	12.6	77	50	4-7	35	3	9	3X16	160	8-18	160	8-18	152,5	4-19	150	4-19
4	100	52.1	15.77	90	70	4-9	55	3	11	5X19	180	8-18	180	8-18	190.5	8-19	175	8-19
5	125	54.4	18.92	90	70	4-9	55	3	14	5X19	210	8-18	210	8-18	216	8-22	210	8-23
6	150	55.8	18.92	90	70	4-9	55	3	14	5X19	240	8-23	240	8-23	241.5	8-22	240	8-23
8	200	60.6	22.1	125	102	4-12	70	3.5	17	5X19	295	12-23	295	8-23	298.5	8-22	290	12-23
10	250	65.6	28.45	125	102	4-12	70	3.5	22	8X28	355	12-27	350	12-23	362	12-25	355	12-25
12	300	76.9	31.6	125	102	4-12	70	3.5	22	8X28	410	12-27	400	12-23	432	12-25	400	16-25
14	350	76.9	31.6	125	102	4-12	70	3.5	22	8X28	470	16-27	460	16-23	476	12-29	445	16-25
16	400	86.5	33.15	175	140	4-18	100	4	24	10X50	525	16-30	515	16-27	540	16-29	510	16-27
18	450	105.6	38	175	140	4-18	100	4	27	10X50	585	20-30	565	20-27	578	16-32	565	20-27
20	500	127	41.15	175	140	4-18	100	4	32	10X50	650	20-33	620	20-27	635	20-32	620	20-27
24	600	152	50.65	210	165	4-23	130	5	36	2-16X60	770	24-36	725	20-30	749.5	20-35	730	24-33
28	700	163	55	300	254	8-18	200	5.5		2-18X63	840	24-36	840	24-30	863,5	28-35	840	24-33
30	750	165	55	300	254	8-18	200	5.5		2-18X63	914	24-39	914	24-33	914.5	28-11/4	900	24-33
32	800	188	55	300	254	8-18	200	5.5		2-18X63	950	24-39	950	24-33	978	28-41	950	28-33
36	900	203	75	300	254	8-18	200	5.5		2-20X100	1050	28-39	1050	28-33	1086	32-41	1050	28-33
40	1000	216	85	300	254	8-18	200	5.5		2-20X100	1170	28-42	1160	28-36	1200	36-41	1160	28-39
42	1050	251	95	300	254	8-18	200	5.5		2-25X140	1257	32-44	1257	32-37	1257.5	36-41	1270	28-39
48	1200	276	105	350	298	8-23	230	5.5		2-28X140	1390	32-50	1380	32-41	1422.5	40-41	1380	32-39



KWBt



Type: Wafer

Face to Face:
API609, BS5155, DIN3202, ISO5752

Flange:
DIN, BS, UNI, ISO, ANSI, AS, JIS

Mounting Flange: ISO5211

Working Pressure: PN16(200PSI)

CI/DI/CS/SS

Application: HVAC, Water Supply&Sewage, Food&Beverage, Chemical/petrochemical/processing, Power and Utilities, Paper

STANDART MATERIALS OF MAIN PARTS

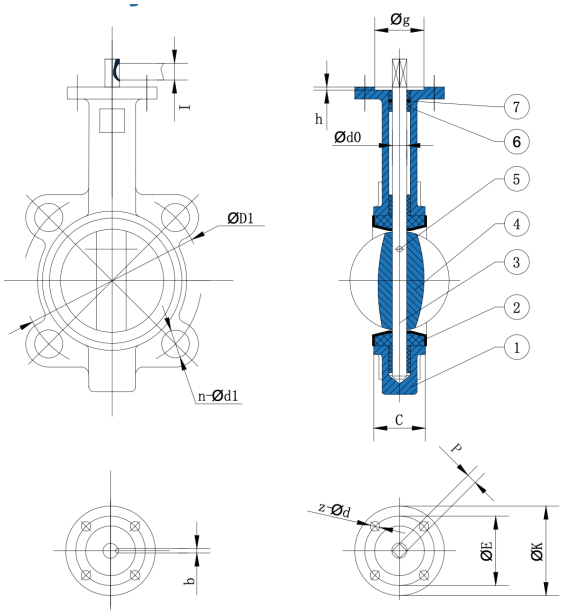
ITEM	PART NAME	MATERIAL
1	Body	Cast Iron, Ductile Iron, Carbon Steel,Stainless Steel
2	Seat	NBR, EPDM, Viton, Neoprene, Hypalon, Silicon
3	Shaft	Stainless Steel416,316,304
4	Disc	Ductile Iron +Ni,CF8,CF8M,Bronze
5	Pin	Stainless Steel
6	Bushing	PTFE, Bronze
7	o Ring	NBR,EPDM

DIMENSIONS:(mm)

SIZE		A	B	C	D	L	d0	P	H	key	UPPER FLANGE					ANSI 150		DIN PN10/16	
in	DN									bxl	K	E	z-d	g	h	D1	n-0d1	D1	n-0d1
2	50	140	80	42	52.6	32	12.6	9	10	3X16	77	50	4-7	35	3	120.5	4-19	125	4-18
2-1/2	65	152	89	44.7	64.5	32	12.6	9	10	3X16	77	50	47	35	3	139.5	419	145	4-18
3	80	159	95	45.2	78.8	32	12.6	9	10	3X16	77	50	47	35	3	152.5	4-19	160	4/8-18
4	100	178	114	52.1	104	32	15.77	11	12	5X19	90	70	49	55	3	190.5	8-19	180	8-18
5	125	190	127	54.4	123.3	32	18.92	14	14	5X19	90	70	49	55	3	216	8-22	210	8-18
6	150	203	139	55.8	155.6	32	18.92	14	14	5X19	90	70	49	55	3	241.5	8-22	240	8-23
8	200	238	175	60.6	202.5	45	22.1	17	17	5X19	125	102	4-12	70	3.5	298.5	8-22	295	8/12-23
10	250	268	203	65.6	250.5	45	28.45	22	22	8X28	125	102	412	70	3.5	362	12-25	350/355	12-23/27
12	300	306	242	76.9	301.6	45	31.6	22	24	8X28	125	102	4-12	70	3.5	432	12-25	400/410	12-23/27



KWB



Type: Wafer

Face to Face:
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Flange:
DIN, BS, UNI, ISO, ANSI, AS, JIS

Mounting Flange: ISO5211

Working Pressure: PN16(200PSI)

Application: HVAC, Water Supply&Sewage, Food&Beverage, Chemical/petrochemical/processing, Power and Utilities, Paper

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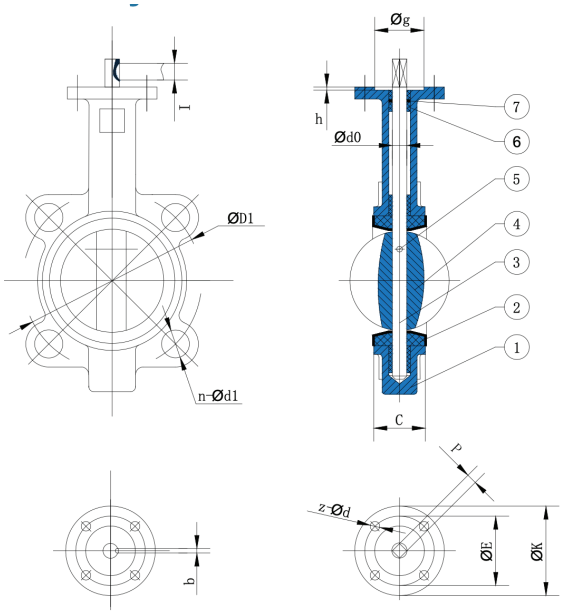
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4	Disc	CF8/CF8M/DI+Ni
5	Pin	SS304/SS316
6	Bushing	PTFE, Bronze
7	o Ring	NBR,EPDM

DIMENSIONS:(mm)

SIZE		C	d0	K	E	z-d	g	h	p	bXl	PN16		PN10		ANSI 150		JIS 10K	
in	DN										D1	n-0d1	D1	n-0d1	D1	n-0d1	D1	n-0d1
2	50	42	12.6	77	50	4-7	35	3	9	3X16	125	4-18	125	4-18	120.5	4-19	120	4-19
2.5	65	44.7	12.6	77	50	4-7	35	3	9	3X16	145	4-18	145	4-18	139.5	4-19	140	4-19
3	80	45.2	12.6	77	50	4-7	35	3	9	3X16	160	8-18	160	8-18	152,5	4-19	150	4-19
4	100	52.1	15.77	90	70	4-9	55	3	11	5X19	180	8-18	180	8-18	190.5	8-19	175	8-19
5	125	54.4	18.92	90	70	4-9	55	3	14	5X19	210	8-18	210	8-18	216	8-22	210	8-23
6	150	55.8	18.92	90	70	4-9	55	3	14	5X19	240	8-23	240	8-23	241.5	8-22	240	8-23
8	200	60.6	22.1	125	102	4-12	70	3.5	17	5X19	295	12-23	295	8-23	298.5	8-22	290	12-23
10	250	65.6	28.45	125	102	4-12	70	3.5	22	8X28	355	12-27	350	12-23	362	12-25	355	12-25
12	300	76.9	31.6	125	102	4-12	70	3.5	22	8X28	410	12-27	400	12-23	432	12-25	400	16-25
14	350	76.9	31.6	125	102	4-12	70	3.5	22	8X28	470	16-27	460	16-23	476	12-29	445	16-25
16	400	86.5	33.15	175	140	4-18	100	4	24	10X50	525	16-30	515	16-27	540	16-29	510	16-27
18	450	105.6	38	175	140	4-18	100	4	27	10X50	585	20-30	565	20-27	578	16-32	565	20-27
20	500	127	41.15	175	140	4-18	100	4	32	10X50	650	20-33	620	20-27	635	20-32	620	20-27
24	600	152	50.65	210	165	4-23	130	5	36	2-16X60	770	24-36	725	20-30	749.5	20-35	730	24-33
28	700	163	55	300	254	8-18	200	5.5		2-18X63	840	24-36	840	24-30	863,5	28-35	840	24-33
30	750	165	55	300	254	8-18	200	5.5		2-18X63	914	24-39	914	24-33	914.5	28-11/4	900	24-33
32	800	188	55	300	254	8-18	200	5.5		2-18X63	950	24-39	950	24-33	978	28-41	950	28-33
36	900	203	75	300	254	8-18	200	5.5		2-20X100	1050	28-39	1050	28-33	1086	32-41	1050	28-33
40	1000	216	85	300	254	8-18	200	5.5		2-20X100	1170	28-42	1160	28-36	1200	36-41	1160	28-39
42	1050	251	95	300	254	8-18	200	5.5		2-25X140	1257	32-44	1257	32-37	1257.5	36-41	1270	28-39
48	1200	276	105	350	298	8-23	230	5.5		2-28X140	1390	32-50	1380	32-41	1422.5	40-41	1380	32-39



KWB



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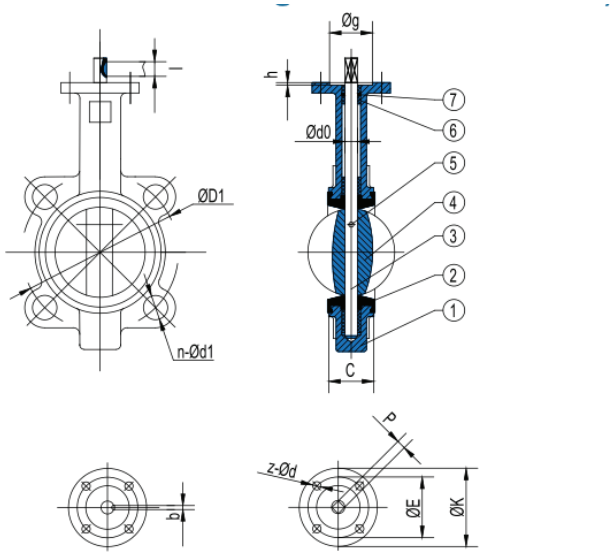
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5	Pin	SS304/SS316
6	Bushing	PTFE, Bronze
7	o Ring	NBR,EPDM

DIMENSIONS:(mm)

SIZE		C	d0	K	E	z-d	g	h	p	bXl	PN16		PN10		ANSI 150		JIS 10K	
in	DN										D1	n-0d1	D1	n-0d1	D1	n-0d1	D1	n-0d1
2	50	42	12.6	77	50	4-7	35	3	9	3X16	125	4-18	125	4-18	120.5	4-19	120	4-19
2.5	65	44.7	12.6	77	50	4-7	35	3	9	3X16	145	4-18	145	4-18	139.5	4-19	140	4-19
3	80	45.2	12.6	77	50	4-7	35	3	9	3X16	160	8-18	160	8-18	152,5	4-19	150	4-19
4	100	52.1	15.77	90	70	4-9	55	3	11	5X19	180	8-18	180	8-18	190.5	8-19	175	8-19
5	125	54.4	18.92	90	70	4-9	55	3	14	5X19	210	8-18	210	8-18	216	8-22	210	8-23
6	150	55.8	18.92	90	70	4-9	55	3	14	5X19	240	8-23	240	8-23	241.5	8-22	240	8-23
8	200	60.6	22.1	125	102	4-12	70	3.5	17	5X19	295	12-23	295	8-23	298.5	8-22	290	12-23
10	250	65.6	28.45	125	102	4-12	70	3.5	22	8X28	355	12-27	350	12-23	362	12-25	355	12-25
12	300	76.9	31.6	125	102	4-12	70	3.5	22	8X28	410	12-27	400	12-23	432	12-25	400	16-25
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18	450	105.6	38	175	140	4-18	100	4	27	10X50	585	20-30	565	20-27	578	16-32	565	20-27
20	500	127	41.15	175	140	4-18	100	4	32	10X50	650	20-33	620	20-27	635	20-32	620	20-27
24	600	152	50.65	210	165	4-23	130	5	36	2-16X60	770	24-36	725	20-30	749.5	20-35	730	24-33
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32	800	188	55	300	254	8-18	200	5.5		2-18X63	950	24-39	950	24-33	978	28-41	950	28-33
36	900	203	75	300	254	8-18	200	5.5		2-20X100	1050	28-39	1050	28-33	1086	32-41	1050	28-33
40	1000	216	85	300	254	8-18	200	5.5		2-20X100	1170	28-42	1160	28-36	1200	36-41	1160	28-39
42	1050	251	95	300	254	8-18	200	5.5		2-25X140	1257	32-44	1257	32-37	1257.5	36-41	1270	28-39
48	1200	276	105	350	298	8-23	230	5.5		2-28X140	1390	32-50	1380	32-41	1422.5	40-41	1380	32-39



KWB



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Mounting Flange: ISO5211

Working Pressure: PN16(200PSI)

Application: HVAC, Water Supply&Sewage, Food&Beverage, Chemical/petrochemical/processing, Power and Utilities, Paper and Pulp, Ship building.

STANDART MATERIALS OF MAIN PARTS

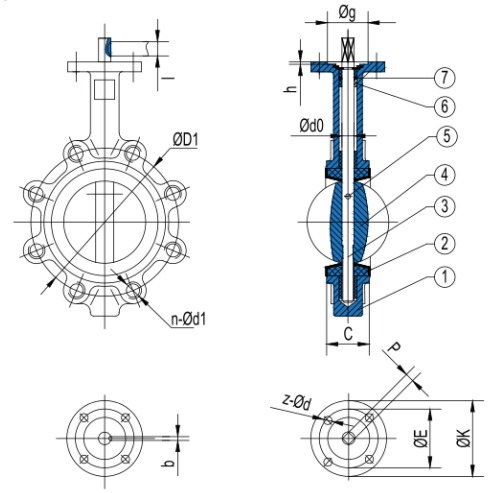
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4	Disc	CF8/CF8M/DI+Ni
5	Pin	SS304/SS316
6	Bushing	PTFE, Bronze
7	o Ring	NBR,EPDM

DIMENSIONS:(mm)

SIZE		C	d0	K	E	z-d	g	h	p	bXl	PN16		PN10		ANSI 150		JIS 10K	
in	DN										D1	n-0d1	D1	n-0d1	D1	n-0d1	D1	n-0d1
2	50	42	12.6	77	50	4-7	35	3	9	3X16	125	4-18	125	4-18	120.5	4-19	120	4-19
2.5	65	44.7	12.6	77	50	4-7	35	3	9	3X16	145	4-18	145	4-18	139.5	4-19	140	4-19
3	80	45.2	12.6	77	50	4-7	35	3	9	3X16	160	8-18	160	8-18	152,5	4-19	150	4-19
4	100	52.1	15.77	90	70	4-9	55	3	11	5X19	180	8-18	180	8-18	190.5	8-19	175	8-19
5	125	54.4	18.92	90	70	4-9	55	3	14	5X19	210	8-18	210	8-18	216	8-22	210	8-23
6	150	55.8	18.92	90	70	4-9	55	3	14	5X19	240	8-23	240	8-23	241.5	8-22	240	8-23
8	200	60.6	22.1	125	102	4-12	70	3.5	17	5X19	295	12-23	295	8-23	298.5	8-22	290	12-23
10	250	65.6	28.45	125	102	4-12	70	3.5	22	8X28	355	12-27	350	12-23	362	12-25	355	12-25
12	300	76.9	31.6	125	102	4-12	70	3.5	22	8X28	410	12-27	400	12-23	432	12-25	400	16-25
14	350	76.9	31.6	125	102	4-12	70	3.5	22	8X28	470	16-27	460	16-23	476	12-29	445	16-25
16	400	86.5	33.15	175	140	4-18	100	4	24	10X50	525	16-30	515	16-27	540	16-29	510	16-27
18	450	105.6	38	175	140	4-18	100	4	27	10X50	585	20-30	565	20-27	578	16-32	565	20-27
20	500	127	41.15	175	140	4-18	100	4	32	10X50	650	20-33	620	20-27	635	20-32	620	20-27
24	600	152	50.65	210	165	4-23	130	5	36	2-16X60	770	24-36	725	20-30	749.5	20-35	730	24-33
28	700	163	55	300	254	8-18	200	5.5		2-18X63	840	24-36	840	24-30	863,5	28-35	840	24-33
30	750	165	55	300	254	8-18	200	5.5		2-18X63	914	24-39	914	24-33	914.5	28-11/4	900	24-33
32	800	188	55	300	254	8-18	200	5.5		2-18X63	950	24-39	950	24-33	978	28-41	950	28-33
36	900	203	75	300	254	8-18	200	5.5		2-20X100	1050	28-39	1050	28-33	1086	32-41	1050	28-33
40	1000	216	85	300	254	8-18	200	5.5		2-20X100	1170	28-42	1160	28-36	1200	36-41	1160	28-39
42	1050	251	95	300	254	8-18	200	5.5		2-25X140	1257	32-44	1257	32-37	1257.5	36-41	1270	28-39
48	1200	276	105	350	298	8-23	230	5.5		2-28X140	1390	32-50	1380	32-41	1422.5	40-41	1380	32-39



KLB



Type: Lugged

Face to Face:
API609, BS5155, DIN3202, ISO5752

Flange:
DIN, BS, UNI, ISO, ANSI, AS, JIS

Mounting Flange: ISO5211

Working Pressure: PN16(200PSI)

Application: HVAC, Water Supply&Sewage, Food&Beverage, Chemical/petrochemical/processing, Power and Utilities, Paper and Pulp, Ship building.

STANDART MATERIALS OF MAIN PARTS

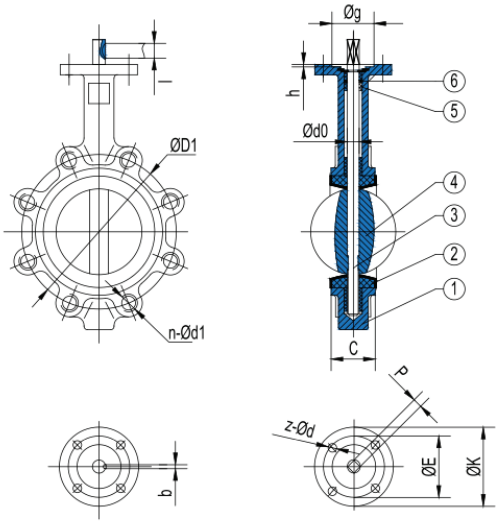
ITEM	PART NAME	MATERIAL
1	Body	CI/DI/CD/SS
2	Seat	EPDM/PTFE/VITON/NBR/Hypalon
3	Shaft	SS416/316/304
4	Disc	CF8/CF8M/DI+Ni/SS304
5	Pin	SS
6	Bushing	PTFE, Bronze
7	o Ring	NBR,EPDM

DIMENSIONS:(mm)

SIZE		C	d0	K	E	z-d	g	h	p	bXl	PN16		PN10		ANSI 150		JIS 10K	
in	DN										D1	n-M	D1	n-M	D1	n-M	D1	n-M
2	50	42	12.6	77	50	4-7	35	3	9	3X16	125	4-M16	125	4-M16	120.5	4-5/8"	120	4-M16
2.5	65	44.7	12.6	77	50	4-7	35	3	9	3X16	145	4-M16	145	4-M16	139.5	4-5/8"	140	4-M16
3	80	45.2	12.6	77	50	4-7	35	3	9	3X16	160	8-M16	160	8-M16	152.5	4-5/8"	150	4-M16
4	100	52.1	15.77	90	70	4-9	55	3	11	5X19	180	8-M16	180	8-M16	190.5	8-5/8"	175	8-M16
5	125	54.4	18.92	90	70	4-9	55	3	14	5X19	210	8-M16	210	8-M16	216	8-3/4"	210	8-M20
6	150	55.8	18.92	90	70	4-9	55	3	14	5X19	240	8-M20	240	8-M20	241.5	8-3/4"	240	8-M20
8	200	60.6	22.1	125	102	4-12	70	3.5	17	5X19	295	12-M20	295	8-M20	298.5	8-3/4"	290	12-M20
10	250	65.6	28.45	125	102	4-12	70	3.5	22	8X28	355	12-M24	350	12-M20	362	12-7/8*	355	12-M22
12	300	76.9	31,6	125	102	4-12	70	3.5	22	8X28	410	12-M24	400	12-M20	432	12-7/8"	400	16-M22
14	350	76.9	31.6	125	102	4-12	70	3.5	22	8X28	470	16-M24	460	16-M20	476	12-1"	445	16-M22
16	400	86.5	33.15	175	140	4-18	100	4	24	10X50	525	20-M27	515	16-M24	540	16-1'	510	16-M24
18	450	105.6	38	175	140	4-18	100	4	27	10X50	585	20-M27	565	20-M24	578	16-11/8*	565	20-M24
20	500	127	41.15	175	140	4-18	100	4	32	10X50	650	20-M30	620	20-M24	635	20-11/8"	620	20-M24
24	600	152	50.65	210	165	4-23	130	5	36	2-16X60	770	20-M33	725	20-M27	749.5	20-11/4"	730	24-M30
28	700	163	55	300	254	8-18	200	5.5		2-18X63	840	24-M33	840	24-M27	863.5	24-11/4"	840	24-M30
30	750	165	55	300	254	8-18	200	5.5		2-18X63	914	24-M36	914	24-M30	914.5	28-11/4"	900	24-M30
32	800	188	55	300	254	8-18	200	5.5		2-18X63	950	24-M36	950	24-M30	978	28-11/2"	950	28-M30
36	900	203	75	300	254	8-18	200	5.5		2-20X100	1050	28-M36	1050	28-M30	1086	32-11/2"	1050	28-M30
40	1000	216	85	300	254	8-18	200	5.5		2-20X100	1170	28-M39	1160	28-M33	1200	36-11/2*	1160	28-M36
42	1050	251	95	300	254	8-18	200	5.5		2-25X140	1257	32-M39	1257	32-M36	1257.5	36-11/2"	1270	28-M36
48	1200	276	105	350	298	8-23	230	5.5		2-28X140	1390	32-M45	1380	32-M39	1422. 5	36-11/2"	1380	32-M36



KLB



Type: Lugged

Face to Face:
API609, BS5155, DIN3202, ISO5752

Flange:
DIN, BS, UNI, ISO, ANSI, AS, JIS

Mounting Flange: ISO5211

Working Pressure: PN16(200PSI)

Application: HVAC, Water Supply&Sewage, Food&Beverage, Chemical/petrochemical/processing, Power and Utilities, Paper and Pulp, Ship building.

STANDART MATERIALS OF MAIN PARTS

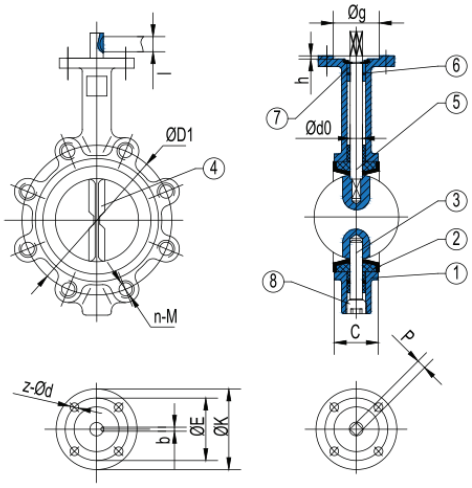
ITEM	PART NAME	MATERIAL
1	Body	CI/DI/CD/SS
2	Seat	EPDM/PTFE/VITON/NBR/Hypalon
3	Shaft	SS416/316/304
4	Disc	CF8/CF8M/DI+Ni/SS304
5	Bushing	PTFE, Bronze
6	o Ring	NBR,EPDM

DIMENSIONS:(mm)

SIZE		C	d0	K	E	z-d	g	h	p	bXl	PN16		PN10		ANSI 150		JIS 10K	
in	DN										D1	n-M	D1	n-M	D1	n-M	D1	n-M
2	50	42	12.6	77	50	4-7	35	3	9	3X16	125	4-M16	125	4-M16	120.5	4-5/8"	120	4-M16
2.5	65	44.7	12.6	77	50	4-7	35	3	9	3X16	145	4-M16	145	4-M16	139.5	4-5/8"	140	4-M16
3	80	45.2	12.6	77	50	4-7	35	3	9	3X16	160	8-M16	160	8-M16	152.5	4-5/8"	150	4-M16
4	100	52.1	15.77	90	70	4-9	55	3	11	5X19	180	8-M16	180	8-M16	190.5	8-5/8"	175	8-M16
5	125	54.4	18.92	90	70	4-9	55	3	14	5X19	210	8-M16	210	8-M16	216	8-3/4"	210	8-M20
6	150	55.8	18.92	90	70	4-9	55	3	14	5X19	240	8-M20	240	8-M20	241.5	8-3/4"	240	8-M20
8	200	60.6	22.1	125	102	4-12	70	3.5	17	5X19	295	12-M20	295	8-M20	298.5	8-3/4"	290	12-M20
10	250	65.6	28.45	125	102	4-12	70	3.5	22	8X28	355	12-M24	350	12-M20	362	12-7/8*	355	12-M22
12	300	76.9	31,6	125	102	4-12	70	3.5	22	8X28	410	12-M24	400	12-M20	432	12-7/8"	400	16-M22
14	350	76.9	31.6	125	102	4-12	70	3.5	22	8X28	470	16-M24	460	16-M20	476	12-1"	445	16-M22
16	400	86.5	33.15	175	140	4-18	100	4	24	10X50	525	20-M27	515	16-M24	540	16-1'	510	16-M24
18	450	105.6	38	175	140	4-18	100	4	27	10X50	585	20-M27	565	20-M24	578	16-11/8*	565	20-M24
20	500	127	41.15	175	140	4-18	100	4	32	10X50	650	20-M30	620	20-M24	635	20-11/8"	620	20-M24
24	600	152	50.65	210	165	4-23	130	5	36	2-16X60	770	20-M33	725	20-M27	749.5	20-11/4"	730	24-M30
28	700	163	55	300	254	8-18	200	5.5		2-18X63	840	24-M33	840	24-M27	863.5	24-11/4"	840	24-M30
30	750	165	55	300	254	8-18	200	5.5		2-18X63	914	24-M36	914	24-M30	914.5	28-11/4"	900	24-M30
32	800	188	55	300	254	8-18	200	5.5		2-18X63	950	24-M36	950	24-M30	978	28-11/2"	950	28-M30
36	900	203	75	300	254	8-18	200	5.5		2-20X100	1050	28-M36	1050	28-M30	1086	32-11/2"	1050	28-M30
40	1000	216	85	300	254	8-18	200	5.5		2-20X100	1170	28-M39	1160	28-M33	1200	36-11/2*	1160	28-M36
42	1050	251	95	300	254	8-18	200	5.5		2-25X140	1257	32-M39	1257	32-M36	1257.5	36-11/2"	1270	28-M36
48	1200	276	105	350	298	8-23	230	5.5		2-28X140	1390	32-M45	1380	32-M39	1422. 5	36-11/2"	1380	32-M36



KLB



Type: Lugged

Face to Face:
API609, BS5155, DIN3202, ISO5752

Flange:
DIN, BS, UNI, ISO, ANSI, AS, JIS

Mounting Flange: ISO5211

Working Pressure: PN16(200PSI)

Application: HVAC, Water Supply&Sewage, Food&Beverage, Chemical/petrochemical/processing, Power and Utilities, Paper and Pulp, Ship building.

STANDART MATERIALS OF MAIN PARTS

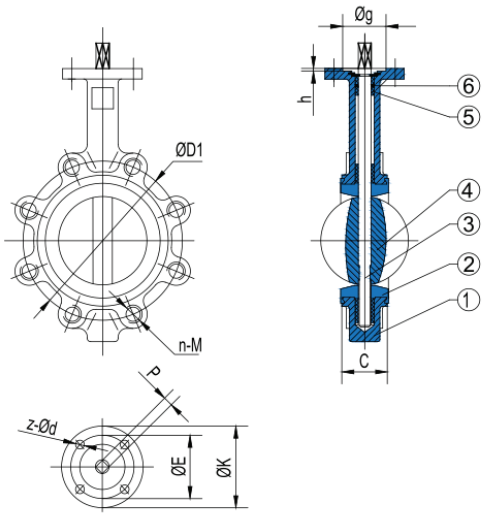
ITEM	PART NAME	MATERIAL
1	Body	CI/DI/CS/SS
2	Seat	EPDM/NBR/PTFE/Viton/Hypalon
3	Lower Shaft	SS416/316/304
4	Disc	CF8/CF8M/DI+Ni/CF8+PTFE/CF8M+PTFE
5	Upper Shaft	SS416,316,304
6	o Ring	NBR/EPDM
7	Bushing	PTFE
8	BOLTS	CS

DIMENSIONS:(mm)

SIZE		C	d0	K	E	z-d	g	h	p	bXl	PN16		PN10		ANSI 150		JIS 10K	
in	DN										D1	n-M	D1	n-M	D1	n-M	D1	n-M
2	50	42	12.6	77	50	4-7	35	3	9	3X16	125	4-M16	125	4-M16	120.5	4-5/8"	120	4-M16
2.5	65	44.7	12.6	77	50	4-7	35	3	9	3X16	145	4-M16	145	4-M16	139.5	4-5/8"	140	4-M16
3	80	45.2	12.6	77	50	4-7	35	3	9	3X16	160	8-M16	160	8-M16	152.5	4-5/8"	150	4-M16
4	100	52.1	15.77	90	70	4-9	55	3	11	5X19	180	8-M16	180	8-M16	190.5	8-5/8"	175	8-M16
5	125	54.4	18.92	90	70	4-9	55	3	14	5X19	210	8-M16	210	8-M16	216	8-3/4"	210	8-M20
6	150	55.8	18.92	90	70	4-9	55	3	14	5X19	240	8-M20	240	8-M20	241.5	8-3/4"	240	8-M20
8	200	60.6	22.1	125	102	4-12	70	3.5	17	5X19	295	12-M20	295	8-M20	298.5	8-3/4"	290	12-M20
10	250	65.6	28.45	125	102	4-12	70	3.5	22	8X28	355	12-M24	350	12-M20	362	12-7/8*	355	12-M22
12	300	76.9	31,6	125	102	4-12	70	3.5	22	8X28	410	12-M24	400	12-M20	432	12-7/8"	400	16-M22
14	350	76.9	31.6	125	102	4-12	70	3.5	22	8X28	470	16-M24	460	16-M20	476	12-1"	445	16-M22
16	400	86.5	33.15	175	140	4-18	100	4	24	10X50	525	20-M27	515	16-M24	540	16-1'	510	16-M24
18	450	105.6	38	175	140	4-18	100	4	27	10X50	585	20-M27	565	20-M24	578	16-11/8*	565	20-M24
20	500	127	41.15	175	140	4-18	100	4	32	10X50	650	20-M30	620	20-M24	635	20-11/8"	620	20-M24
24	600	152	50.65	210	165	4-23	130	5	36	2-16X60	770	20-M33	725	20-M27	749.5	20-11/4"	730	24-M30
28	700	163	55	300	254	8-18	200	5.5		2-18X63	840	24-M33	840	24-M27	863.5	24-11/4"	840	24-M30
30	750	165	55	300	254	8-18	200	5.5		2-18X63	914	24-M36	914	24-M30	914.5	28-11/4"	900	24-M30
32	800	188	55	300	254	8-18	200	5.5		2-18X63	950	24-M36	950	24-M30	978	28-11/2"	950	28-M30
36	900	203	75	300	254	8-18	200	5.5		2-20X100	1050	28-M36	1050	28-M30	1086	32-11/2"	1050	28-M30
40	1000	216	85	300	254	8-18	200	5.5		2-20X100	1170	28-M39	1160	28-M33	1200	36-11/2*	1160	28-M36
42	1050	251	95	300	254	8-18	200	5.5		2-25X140	1257	32-M39	1257	32-M36	1257.5	36-11/2"	1270	28-M36
48	1200	276	105	350	298	8-23	230	5.5		2-28X140	1390	32-M45	1380	32-M39	1422. 5	36-11/2"	1380	32-M36



KLB



Type: Lugged

Face to Face:
API609, BS5155, DIN3202, ISO5752

Flange:
DIN, BS, UNI, ISO, ANSI, AS, JIS

Mounting Flange: ISO5211

Working Pressure: PN16(200PSI)

Application: HVAC, Water Supply&Sewage, Food&Beverage, Chemical/petrochemical/processing, Power and Utilities, Paper and Pulp, Ship building.

STANDART MATERIALS OF MAIN PARTS

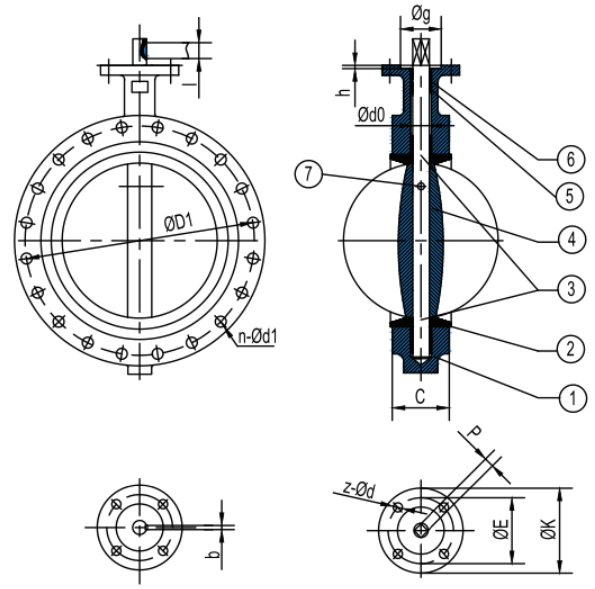
ITEM	PART NAME	MATERIAL
1	Body	CI/DI/CS/SS
2	Seat	EPDM/NBR/PTFE/Viton/Hypalon
3	Shaft	SS416/316/304
4	Disc	DI+Ni/CF8/CF8M
5	Upper Shaft	SS416,316,304
6	Bushing	PTFE
7	o Ring	NBR

DIMENSIONS:(mm)

SIZE		C	d0	K	E	z-d	g	h	p	bXl	PN16		PN10		ANSI 150		JIS 10K	
in	DN										D1	n-M	D1	n-M	D1	n-M	D1	n-M
2	50	42	12.6	77	50	4-7	35	3	9	3X16	125	4-M16	125	4-M16	120.5	4-5/8"	120	4-M16
2.5	65	44.7	12.6	77	50	4-7	35	3	9	3X16	145	4-M16	145	4-M16	139.5	4-5/8"	140	4-M16
3	80	45.2	12.6	77	50	4-7	35	3	9	3X16	160	8-M16	160	8-M16	152.5	4-5/8"	150	4-M16
4	100	52.1	15.77	90	70	4-9	55	3	11	5X19	180	8-M16	180	8-M16	190.5	8-5/8"	175	8-M16
5	125	54.4	18.92	90	70	4-9	55	3	14	5X19	210	8-M16	210	8-M16	216	8-3/4"	210	8-M20
6	150	55.8	18.92	90	70	4-9	55	3	14	5X19	240	8-M20	240	8-M20	241.5	8-3/4"	240	8-M20
8	200	60.6	22.1	125	102	4-12	70	3.5	17	5X19	295	12-M20	295	8-M20	298.5	8-3/4"	290	12-M20
10	250	65.6	28.45	125	102	4-12	70	3.5	22	8X28	355	12-M24	350	12-M20	362	12-7/8*	355	12-M22
12	300	76.9	31,6	125	102	4-12	70	3.5	22	8X28	410	12-M24	400	12-M20	432	12-7/8"	400	16-M22
14	350	76.9	31.6	125	102	4-12	70	3.5	22	8X28	470	16-M24	460	16-M20	476	12-1"	445	16-M22
16	400	86.5	33.15	175	140	4-18	100	4	24	10X50	525	20-M27	515	16-M24	540	16-1'	510	16-M24
18	450	105.6	38	175	140	4-18	100	4	27	10X50	585	20-M27	565	20-M24	578	16-11/8*	565	20-M24
20	500	127	41.15	175	140	4-18	100	4	32	10X50	650	20-M30	620	20-M24	635	20-11/8"	620	20-M24
24	600	152	50.65	210	165	4-23	130	5	36	2-16X60	770	20-M33	725	20-M27	749.5	20-11/4"	730	24-M30
28	700	163	55	300	254	8-18	200	5.5		2-18X63	840	24-M33	840	24-M27	863.5	24-11/4"	840	24-M30
30	750	165	55	300	254	8-18	200	5.5		2-18X63	914	24-M36	914	24-M30	914.5	28-11/4"	900	24-M30
32	800	188	55	300	254	8-18	200	5.5		2-18X63	950	24-M36	950	24-M30	978	28-11/2"	950	28-M30
36	900	203	75	300	254	8-18	200	5.5		2-20X100	1050	28-M36	1050	28-M30	1086	32-11/2"	1050	28-M30
40	1000	216	85	300	254	8-18	200	5.5		2-20X100	1170	28-M39	1160	28-M33	1200	36-11/2*	1160	28-M36
42	1050	251	95	300	254	8-18	200	5.5		2-25X140	1257	32-M39	1257	32-M36	1257.5	36-11/2"	1270	28-M36
48	1200	276	105	350	298	8-23	230	5.5		2-28X140	1390	32-M45	1380	32-M39	1422. 5	36-11/2"	1380	32-M36



KUB



Type: Waffer

Face to Face:
API609, BS5155, DIN3202, ISO5752

Flange:
DIN, BS, UNI, ISO, ANSI, AS, JIS

Mounting Flange: ISO5211

Working Pressure: PN16(200PSI)

Application: HVAC, Water Supply&Sewage, Food&Beverage, Chemical/petrochemical/processing, Power and Utilities, Paper and Pulp, Ship building.

STANDART MATERIALS OF MAIN PARTS

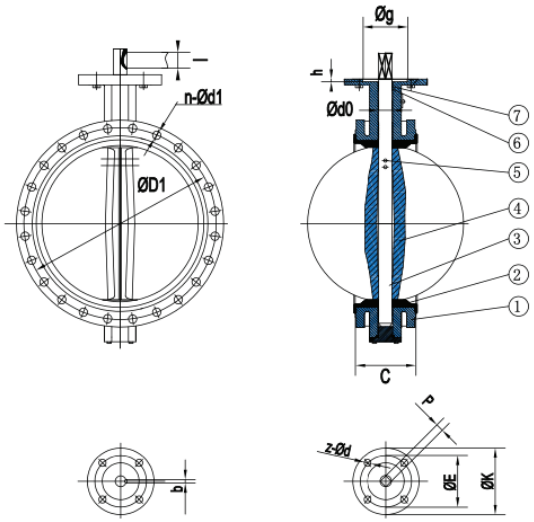
ITEM	PART NAME	MATERIAL
1	Body	CI/DI/CS/SS
2	Seat	EPDM/NBR/PTFE/Viton/Hypalon
3	Shaft	SS416/316/304
4	Disc	DI+Ni/CF8/CF8M
5	Pin	SS304,SS316
6	Bushing	PTFE/ Bronze
7	o Ring	NBR/EPDM

DIMENSIONS:(mm)

SIZE		C	d0	K	E	z-d	g	h	p	bXl	PN16			PN10			ANSI 150		
in	DN										D1	n-0d1	4-M	D1	n-0d1	4-M	D1	n-0d1	4-M
2	50	42	12.6	77	50	4-7	35	3	9	3X16	125	4-18		125	4-18		120.5	4-19	
2.5	65	44.7	12.6	77	50	4-7	35	3	9	3X16	145	4-18		145	4-18		139.5	4-19	
3	80	45.2	12.6	77	50	4-7	35	3	9	3X16	160	8-18		160	8-18		152.5	4-19	
4	100	52.1	15.77	90	70	4-9	55	3	11	5X19	180	8-18		180	8-18		190.5	8-19	
5	125	54.4	18.92	90	70	4-9	55	3	14	5X19	210	8-18		210	8-18		216	8-22	
6	150	55.8	18.92	90	70	4-9	55	3	14	5X19	240	8-23		240	8-23		241.5	8-22	
8	200	60.6	22.1	125	102	4-12	70	3.5	17	5X19	295	12-23		295	8-23		298.5	8-22	
10	250	65.6	28.45	125	102	4-12	70	3.5	22	8X28	355	12-27		350	12-23		362	12-25	
12	300	76.9	31.6	125	102	4-12	70	3.5	22	8X28	410	12-27		400	12-23		432	12-25	
14	350	76.5	31.6	125	102	4-12	70	3.5	22	8X28	470	16-27		460	16-23		476	12-29	
16	400	86.5	33.15	175	140	4-18	100	4	24	10X50	525	16-30		515	16-27		540	16-29	
18	450	105.6	38	175	140	4-18	100	4	27	10X50	585	20-30		565	20-27		578	16-32	
20	500	127	41.15	175	140	4-18	100	4	32	10X50	650	20-33		620	20-27		635	20-32	
24	600	152	50.65	210	165	4-23	130	5	36	2-16X60	770	24-36		725	20-30		749.5	20-35	
28	700	163	55	300	254	8-18	200	5.5		2-18X63	840	24-36	4-M33	840	24-30	4-M27	863.5	28-35	4-11/4"
30	750	165	55	300	254	8-18	200	5.5		2-18X63	914	24-39		914	24-33		914.5	28-35	4-11/4"
32	800	188	55	300	254	8-18	200	5.5		2-18X63	950	24-39	4-M36	950	24-33	4-M30	978	28-41	4-11/2"
36	900	203	75	300	254	8-18	200	5.5		2-20X100	1050	28-39	4-M36	1050	28-33	4-M30	1086	32-41	4-11/2"
40	1000	216	85	300	254	8-18	200	5.5		2-20X100	1170	28-42	4-M39	1160	28-36	4-M33	1200	36-41	4-11/2"
42	1050	251	95	300	254	8-18	200	5.5		2-25X140	1257	32-44		1257	32-37		1257.5	36-41	4-11/2"
48	1200	276	105	350	298	8-23	230	5.5		2-28X140	1390	32-50	4-M45	1380	32-41	4-M36	1422. 5	40-41	4-11/2'



KDB



Type: Waffer

Face to Face:
API609, BS5155, DIN3202, ISO5752

Flange:
DIN, BS, UNI, ISO, ANSI, AS, JIS

Mounting Flange: ISO5211

Working Pressure: PN16(200PSI)

Application: HVAC, Water Supply&Sewage, Food&Beverage, Chemical/petrochemical/processing, Power and Utilities, Paper and Pulp, Ship building.

STANDART MATERIALS OF MAIN PARTS

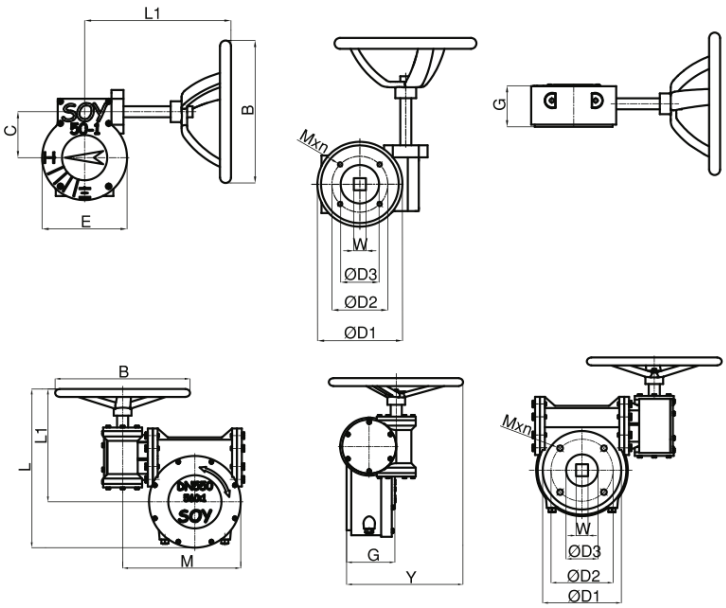
ITEM	PART NAME	MATERIAL
1	Body	CI/DI/CS/SS
2	Seat	EPDM/NBR/PTFE/Viton/Hypalon
3	Shaft	SS416/316/304
4	Disc	DI+Ni/CF8/CF8M
5	Pin	SS304,SS316
6	Bushing	PTFE/ Bronze
7	o Ring	NBR/EPDM

DIMENSIONS:(mm)

SIZE		C	d0	K	E	z-d	g	h	p	bXl	PN16		PN10		ANSI 150		JIS 10K	
in	DN										D1	n-0d1	D1	n-0d1	D1	n-0d1	D1	n-0d1
2	50	108	12.6	77	50	4-7	35	3	9	3X16	125	4-18	125	4-18	120.5	4-19	120	4-19
2.5	65	112	12.6	77	50	4-7	35	3	9	3X16	145	4-18	145	4-18	139.5	4-19	140	4-19
3	80	114	12.6	77	50	4-7	35	3	9	3X16	160	8-18	160	8-18	152.5	4-19	150	4-19
4	100	127	15.77	90	70	4-9	55	3	11	5X19	180	8-18	180	8-18	190.5	8-19	175	8-19
5	125	140	18.92	90	70	4-9	55	3	14	5X19	210	8-18	210	8-18	216	8-22	210	8-23
6	150	140	18.92	90	70	4-9	55	3	14	5X19	240	8-23	240	8-23	241.5	8-22	240	8-23
8	200	152	22.1	125	102	4-12	70	3.5	17	5X19	295	12-23	295	8-23	298.5	8-22	290	12-23
10	250	165	28.45	125	102	4-12	70	3.5	22	8X28	355	12-27	350	12-23	362	12-25	355	12-25
12	300	178	31.6	125	102	4-12	70	3.5	22	8X28	410	12-27	400	12-23	432	12-25	400	16-25
14	350	190	31.6	125	102	4-12	70	3.5	22	8X28	470	16-27	460	16-23	476	12-29	445	16-25
16	400	216	33.15	175	140	4-18	100	4	24	10X50	525	16-30	515	16-27	540	16-29	510	16-27
18	450	222	38	175	140	4-18	100	4	27	10X50	585	20-30	565	20-27	578	16-32	565	20-27
20	500	229	41.15	175	140	4-18	100	4	32	10X50	650	20-33	620	20-27	635	20-32	620	20-27
24	600	267	50.65	210	165	4-23	130	5	36	2-16X60	770	24-36	725	20-30	749.5	20-35	730	24-33
28	700	292	55	300	254	8-18	200	5.5		2-18X63	840	24-36	840	24-30	863.5	28-35	840	24-33
30	750	308	55	300	254	8-18	200	5.5		2-18X63	914	24-39	914	24-33	914.5	28-35	900	24-33
32	800	318	55	300	254	8-18	200	5.5		2-18X63	950	24-39	950	24-33	978	28-41	950	28-33
36	900	330	75	300	254	8-18	200	5.5		2-20X100	1050	28-39	1050	28-33	1086	32-41	1050	28-33
40	1000	410	85	300	254	8-18	200	5.5		2-20X100	1170	28-42	1160	28-36	1200	36-41	1160	28-39
42	1050	410	95	300	254	8-18	200	5.5		2-25X140	1257	32-44	1257	32-37	1257.5	36-41	1270	28-39
48	1200	470	105	350	298	8-23	230	5.5		2-28X140	1390	32-50	1380	32-41	1422. 5	40-41	1380	32-39



KGB

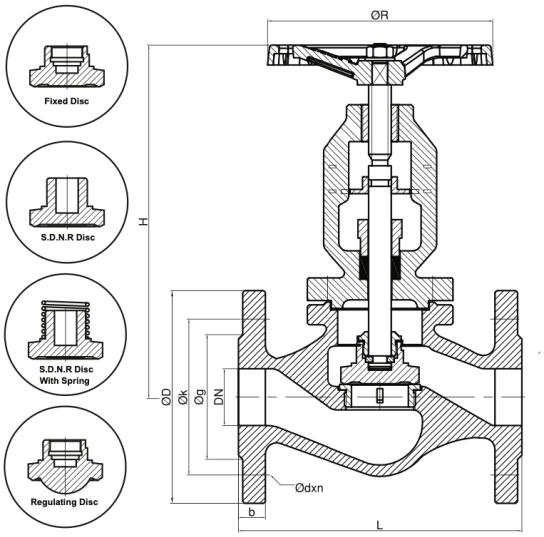


DN	L1	B	C	G	E	D1	D2	D3	W	ISO 5211	Mxn		KG
32	160	145	48	70	105	65	50	35	9	F05	M6x4	24:1	4,5
40	160	145	48	70	105	65	50	35	9	F05	M6x4		4,5
50	160	145	48	70	105	65	50	35	9	F05	M6x4		4,5
65	160	145	48	70	105	65	50	35	9	F05	M6x4		4,5
80	160	145	48	70	105	65	50	35	9	F05	M6x4		4,5
100	160	145	48	70	105	90	70	55	11	F07	M8x4		4,5
125	160	145	48	70	105	90	70	55	14	F07	M8x4		4,5
150	160	145	48	70	105	90	70	55	14	F07	M8x4		4,5
200	255	250	65	75	129	125	102	70	17	F10	M10x4	30:1	8,5
250	260	285	80	75	157	125	102	70	22	F10	M10x4		11
300	260	285	80	75	157	125	102	70	22	F10	M10x4	50:1	11
350	260	285	80	75	157	150	125	85	22	F12	M12x4		11
400	310	390	116	90	252	175	140	100	27	F14	M16x4	80:1	22
450	310	390	116	90	252	175	140	100	27	F14	M16x4		22
500	310	390	116	90	252	175	140	100	36	F14	M16x4		22

DN	B	L	L1	M	G	Y	D1	D2	D3	W	ISO 5211	Mxn		KG
550	285	363	256	275	125	271	210	165	130	36	F16	M16x4	560:1	47
600	285	363	256	275	125	271	210	165	130	36	F16	M16x4		47
700	425	483	337	376	149	378	300	254	200	46	F25	M16x8	704:1	55,5
800	425	532	359	419	155	377	300	254	200	46	F25	M16x8		55,5
1000	425	532	359	419	155	377	300	254	200	60	F25	M16x8		90,5



KLS

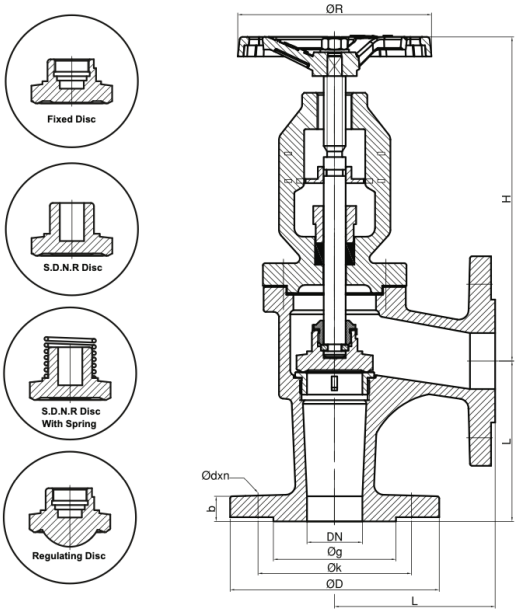


NO	PART NAME	MATERIAL
1	BODY	GG25/GGG40.3/GS-C25/RG5-10/CF8/CF8M
2	SEAT	BRONZE / AISI 420
3	STEM	AISI 420 / Ms58
4	INDICATOR	ST37
5	BONNET	GG25/GGG40.3/GS-C25/RG5-10/CF8/CF8M
6	DISC	RG5 / AISI 420
7	RING	RG5 / AISI 420
8	WASHER SAFETY	Ms58 / AISI 420
9	SECURING SCREW	RG5 / AISI 304
10	GASKET	KLINGERIT / GRAPHITE
11	SCREW	AISI 304
12	PACKING	GRAPHITE
13	GLAND	GGG40.3
14	T BOLT	6.8 STEEL
15	BOLT	8.8 STEEL
16	HANDWHEEL	GG25
17	NUT & WASHER	STEEL

DN	ØD	Øk	Øg	L	b	ØR	H	STROK	Ødxn	KG
15	95	65	45	130	14	110	202	9	14x4	4,11
20	105	75	58	150	16	110	202	9	14x4	5,11
25	115	85	68	160	16	110	211	11	14x4	6,4
32	140	100	78	180	18	140	216	11	18x4	7,75
40	150	110	88	200	18	140	249	18	18x4	10,1
50	165	125	102	230	20	160	254	19	18x4	13,1
65	185	145	122	290	20	160	271	22	18x4	18,4
80	200	160	138	310	20	200	311	26	18x8	22,1
100	220	180	158	350	24	220	344	32	18x8	36,7
125	250	210	188	400	26	250	420	34	18x8	55
150	285	240	212	480	26	300	498	42	22x8	77,5
200	340	295	268	600	30	400	550	55	22x12	140
250	405	355	320	730	32	500	585	65	26x12	200
300	460	410	370	850	32	500	640	78	26x12	250
350	520	470	430	980	36	500	875	100	26x16	385
400	580	525	482	###	38	500	955	115	29,5x16	408



KLA

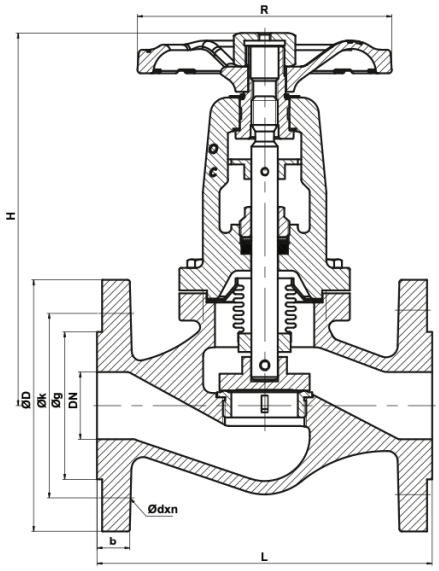


NO	PART NAME	MATERIAL
1	BODY	GG25/GGG40.3/GS-C25/RG5-10/CF8/CF8M
2	SEAT	BRONZE / AISI 420
3	STEM	AISI 420 / MS58
4	INDICATOR	ST37
5	BONNET	GG25/GGG40.3/GS-C25/RG5-10/CF8/CF8M
6	DISC	RG5/AISI 420
7	GASKET	KLINGERIT / GRAPHITE
8	SCREW	AISI 304
9	PACKING	GRAPHITE
10	GLAND	GGG40.3
11	T BOLT	6.8 STEEL
12	BOLT	8.8 STEEL
13	HANDWHEEL	GG25
14	NUT & WASHER	STEEL

DN	ØD	Øk	Øg	L	b	ØR	H	STROK	Ødxn	KG
15	95	65	45	90	14	110	184	9	14x4	4,26
20	105	75	58	95	16	110	184	9	14x4	5,11
25	115	85	68	100	16	110	197	11	14x4	6,3
32	140	100	78	105	18	140	200	11	18x4	7,6
40	150	110	88	115	18	140	232	18	18x4	9,46
50	165	125	102	125	20	160	235	19	18x4	12,1
65	185	145	122	145	20	160	248	22	18x4	16,9
80	200	160	138	155	22	200	287	26	18x8	20,6
100	220	180	158	175	24	220	320	32	18x8	36
125	250	210	188	200	26	250	340	34	18x8	54
150	285	240	212	225	26	300	405	42	22x8	72
200	340	295	268	275	30	400	440	55	22x12	116
250	405	355	320	325	32	500	510	65	26x12	169
300	460	410	370	375	32	500	575	78	26x12	240
350	520	470	430	425	36	500	775	100	26x16	325
400	580	525	482	475	38	500	840	115	29,5x16	394



KBS

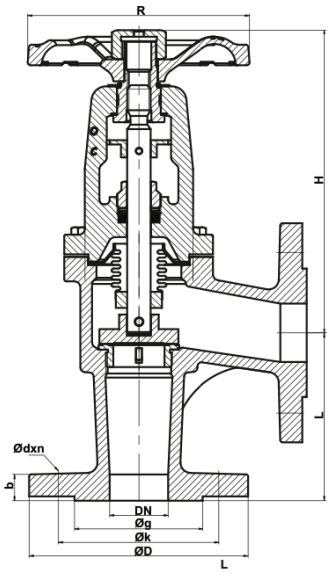


		MATERIAL	
NO	PART NAME	PN16	PN25
1	BODY	GG25	GGG40.3
2	SEAT	AISI 420	AISI 420
3	BONNET	GG25	GGG40.3
4	STEM	AISI 420	AISI 420
5	BELLOWS	AISI 316Ti	AISI 316Ti
6	GASKET	GRAPHITE	GRAPHITE
7	PACKING	GRAPHITE	GRAPHITE
8	WASHER	ST37	ST37
9	WASHER	SPRING ST.	SPRING ST.
10	BONNET BUSH	STEEL	STEEL
11	RETAINING RING	SPRING ST.	SPRING ST.
12	INDICATOR	STEEL	STEEL
13	PIN	AISI 304	AISI 304
14	PACKING JOINT	STEEL	STEEL
15	DISC	AISI 420	AISI 420
16	SPRING PIN	AISI 304	AISI 304
17	HANDWHEEL	GG25	GG25
18	HANDWHEEL NUT	STEEL	STEEL
19	BOLT	8.8 STEEL GALV.	8.8 STEEL GALV.
20	GRUP SCREW	8.8 STEEL	8.8 STEEL
21	LUBRICATING NIPPLE	STEEL	STEEL

					PN16						PN25						PN40						
DN	L	OR	H	STROK	ØD	Øk	Øg	b	n	Ød	ØD	Øk	Øg	b	n	Ød	ØD	Øk	Øg	b	n	Ød	KG
15	130	125	190	6	95	65	45	14	4	14	95	65	45	16	4	14	95	65	45	16	4	14	4,6
20	150	125	190	6	105	75	58	16	4	14	105	75	58	18	4	14	105	75	58	18	4	14	5,35
25	160	125	195	8	115	85	68	16	4	14	115	85	68	18	4	14	115	85	68	18	4	14	6,25
32	180	125	195	8	140	100	78	18	4	18	140	100	78	20	4	18	140	100	78	20	4	18	7,2
40	200	150	220	13	150	110	88	18	4	18	150	110	88	20	4	18	150	110	88	20	4	18	11,2
50	230	150	225	13	165	125	102	20	4	18	165	125	102	22	4	18	165	125	102	22	4	18	15
65	290	175	240	16	185	145	122	20	4	18	185	145	122	24	8	18	185	145	122	24	8	18	20,6
80	310	175	260	20	200	160	138	22	8	18	200	160	138	26	8	18	200	160	138	26	8	18	23,6
100	350	225	315	25	220	180	158	24	8	18	235	190	162	28	8	22	235	190	162	28	8	22	36,5
125	400	225	420	32	250	210	188	26	8	18	270	220	188	30	8	28	270	220	188	30	8	25	55
150	480	300	500	40	285	240	212	26	8	22	300	250	218	34	8	28	300	250	218	34	8	25	77,5
200	600	500	550	50	340	295	268	30	12	22	360	310	278	34	12	28	375	320	285	40	12	30	140



KBA

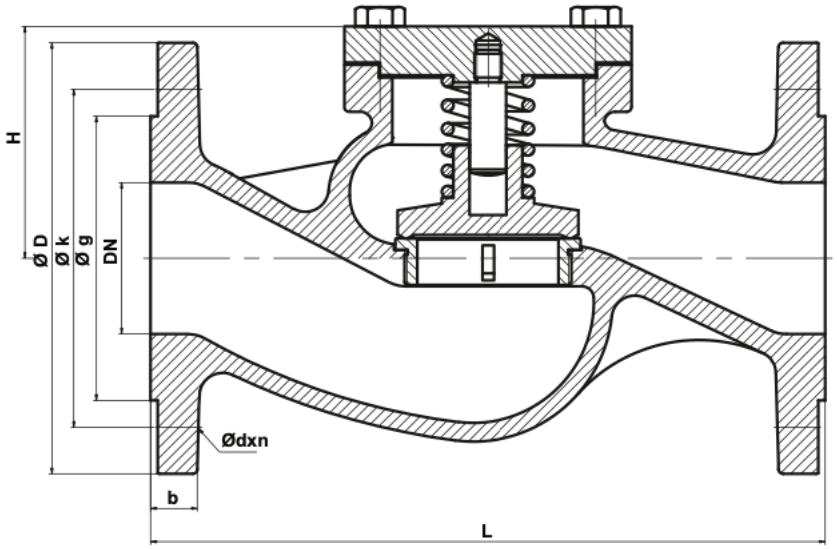


	MATERIAL	
NO	PN16	PN25
1	GG25	GGG40.3
2	AISI 420	AISI 420
3	GG25	GGG40.3
4	AISI 420	AISI 420
5	AISI 316Ti	AISI 316Ti
6	GRAPHITE	GRAPHITE
7	GRAPHITE	GRAPHITE
8	ST37	ST37
9	SPRING ST.	SPRING ST.
10	STEEL	STEEL
11	SPRING ST.	SPRING ST.
12	STEEL	STEEL
13	AISI 304	AISI 304
14	STEEL	STEEL
15	AISI 420	AISI 420
16	AISI 304	AISI 304
17	GG25	GG25
18	STEEL	STEEL
19	8.8 STEEL GALV.	8.8 STEEL GALV.
20	8.8 STEEL	8.8 STEEL
21	STEEL	STEEL

					PN16						PN25						PN40						
DN	L	ØR	H	STROK	ØD	Øk	Øg	b	n	Ød	ØD	Øk	Øg	b	n	Ød	ØD	Øk	Øg	b	n	Ød	KG
15	90	125	165	6	95	65	45	14	4	14	95	65	45	16	4	14	95	65	45	16	4	14	4,75
20	95	125	165	6	105	75	58	16	4	14	105	75	58	18	4	14	105	75	58	18	4	14	5,35
25	100	125	177	8	115	85	68	16	4	14	115	85	68	18	4	14	115	85	68	18	4	14	6,15
32	105	125	175	8	140	100	78	18	4	18	140	100	78	20	4	18	140	100	78	20	4	18	7
40	115	150	205	13	150	110	88	18	4	18	150	110	88	20	4	18	150	110	88	20	4	18	10,7
50	125	150	208	13	165	125	102	20	4	18	165	125	102	22	4	18	165	125	102	22	4	18	14
65	145	175	220	16	185	145	122	20	4	18	185	145	122	24	8	18	185	145	122	24	8	18	19
80	155	175	230	20	200	160	138	22	8	18	200	160	138	26	8	18	200	160	138	26	8	18	22
100	175	225	275	25	220	180	158	24	8	18	235	190	162	28	8	22	235	190	162	28	8	22	35,8
125	200	225	340	32	250	210	188	26	8	18	270	220	188	30	8	28	270	220	188	30	8	25	54
150	225	300	407	40	285	240	212	26	8	22	300	250	218	34	8	28	300	250	218	34	8	25	72
200	275	500	440	50	340	295	268	30	12	22	360	310	278	34	12	28	375	320	285	40	12	30	116



KLCS

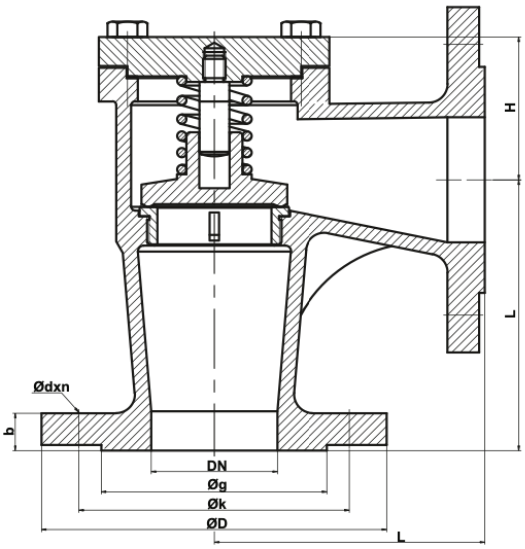


NO	PART NAME	MATERIAL
1	BODY	GG25/GGG40.3/RG5-10
2	SEAT	BRONZE / AISI 420
3	BONNET	ST 37
4	STEM	AISI 420/MS58
5	SPRING	AISI 304
6	DISC	RG5/AISI 420
7	GASKET	KLINGRIT
8	BOLT	8.8 STEEL

DN	ØD	Øk	Øg	L	b	H	STROK	Ødxn	KG
15	95	65	45	130	14	64	7	14x4	3,5
20	105	75	58	150	16	64	7	14x4	4
25	115	85	68	160	16	67	9	14x4	5
32	140	100	78	180	18	72	10	18x4	8
40	150	110	88	200	18	84	12	18x4	9
50	165	125	102	230	20	89	18	18x4	13
65	185	145	122	290	20	100	20	18x4	18,5
80	200	160	138	310	22	106	22	18x8	20
100	220	180	158	350	24	134	27	18x8	32
125	250	210	188	400	26	151	32	18x8	47
150	285	240	212	480	26	196	42	22x8	72
200	340	295	268	600	30	246	52	22x12	110
250	405	355	320	730	32	242	65	26x12	140
300	460	410	378	850	32	282	78	26x12	230
350	520	470	438	980	36	380	100	26x16	430
400	580	525	490	1100	38	420	115	30x16	482



KLCA

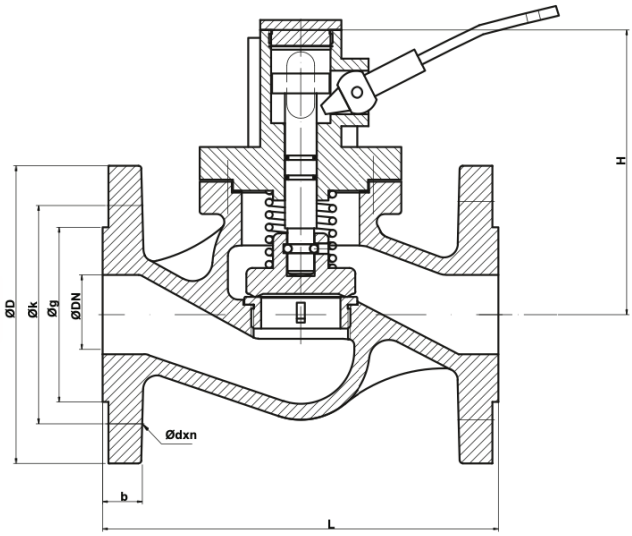


NO	PART NAME	MATERIAL
1	BODY	GG25/GGG40.3/RG5-10
2	SEAT	BRONZE / AISI 420
3	BONNET	ST 37
4	STEM	AISI 420/MS58
5	SPRING	AISI 304
6	DISC	RG5/AISI 420
7	GASKET	KLINGRIT
8	BOLT	8.8 STEEL

DN	ØD	Øk	Øg	L	b	H	STROK	Ødxn	KG
15	95	65	45	130	14	64	7	14x4	3,5
20	105	75	58	150	16	64	7	14x4	4
25	115	85	68	160	16	67	9	14x4	5
32	140	100	78	180	18	72	10	18x4	8
40	150	110	88	200	18	84	12	18x4	9
50	165	125	102	230	20	89	18	18x4	13
65	185	145	122	290	20	100	20	18x4	18,5
80	200	160	138	310	22	106	22	18x8	20
100	220	180	158	350	24	134	27	18x8	32
125	250	210	188	400	26	151	32	18x8	47
150	285	240	212	480	26	196	42	22x8	72
200	340	295	268	600	30	246	52	22x12	110
250	405	355	320	730	32	242	65	26x12	140
300	460	410	378	850	32	282	78	26x12	230
350	520	470	438	980	36	380	100	26x16	430
400	580	525	490	1100	38	420	115	30x16	482



KSCS



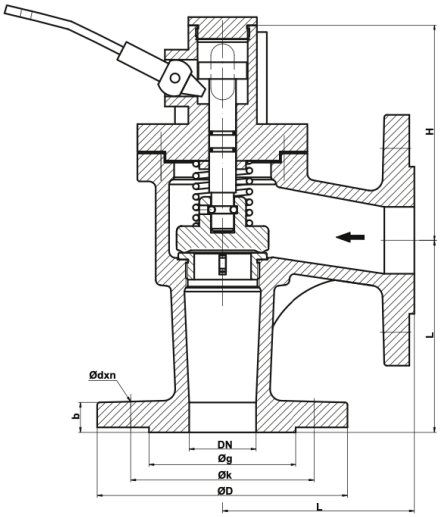
NO	PART NAME	MATERIAL
1	BODY	GGG40.3
2	SEAT	AISI 420 / BRONZE
3	BONNET	GGG40.3
4	STEM	X20Cr13
5	O-RING	VITON
6	SPRING	SPRING STEEL C

7	DISC	X20Cr13 / RG5
8	BALLS	X20Cr5Ni8
9	SCREW	AISI 304
10	LEVER	AISI 304
11	SCREW	AISI 304
12	GRUB SCREW	8.8 STEEL
13	BONNET SCREW	Ms 58

DN	ØD	Øk	Øg	L	b	H	STROK	Ødxn	KG
15	95	65	45	130	14	126	9	14x4	4,5
20	105	75	58	150	16	126	9	14x4	5,4
25	115	85	68	160	16	129	12	14x4	6
32	140	100	78	180	18	134	13	18x4	8,4
40	150	110	88	200	18	149	15	18x4	10,4
50	165	125	102	230	20	156	20	18x4	15
65	185	145	122	290	20	167	22	18x4	20
80	200	160	138	310	22	185	25	18x8	23
100	220	180	158	350	24	221	30	18x8	36
125	250	210	188	400	26	251	34	18x8	55
150	285	240	212	480	26	303	42	22x8	74



KSCA



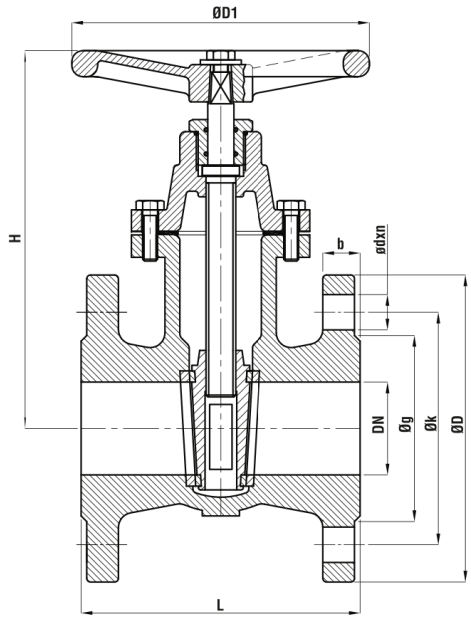
NO	PART NAME	MATERIAL
1	BODY	GGG40.3
2	SEAT	AISI 420 / BRONZE
3	BONNET	GGG40.3
4	STEM	X20Cr13
5	O-RING	VITON
6	SPRING	SPRING STEEL C

7	DISC	X20Cr13 / RG5
8	BALLS	X20Cr5Ni8
9	SCREW	AISI 304
10	LEVER	AISI 304
11	SCREW	AISI 304
12	GRUB SCREW	8.8 STEEL
13	BONNET SCREW	Ms 58

DN	ØD	Øk	Øg	L	b	H	L1	STROK	Ødxn	KG
15	95	65	45	90	14	160	164	9	14x4	3,8
20	105	75	58	95	16	160	164	9	14x4	4,5
25	115	85	68	100	16	165	164	12	14x4	6,5
32	140	100	78	105	18	170	164	13	18x4	7,4
40	150	110	88	115	18	185	164	15	18x4	10,5
50	165	125	102	125	20	190	167	20	18x4	13,5
65	185	145	122	145	20	205	167	22	18x4	18
80	200	160	138	155	22	250	167	25	18x8	23
100	220	180	158	175	24	270	167	30	18x8	36
125	250	210	188	200	26	315	200	34	18x8	54
150	285	240	212	225	26	370	225	42	22x8	72



KGTP

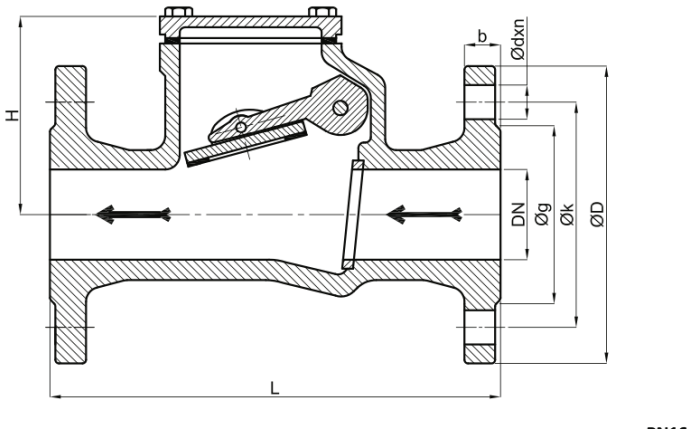


NO	PART NAME	MATERIAL
1	BODY	GG25/GGG40/RG5-10
2	SEAT	BRASS / BRONZE
3	WEDGE	GG25/GGG40/RG5-10
4	STEM	STAINLESS STEEL/MS58
5	GASKET	NBR/VITON
6	BONNET	GG25/GGG40/RG5-10
7	HANDWHEEL	GG20/RG5-10

				PN10					
DN	L	H	ØD1	ØD	Øk	Øg	b	Ødxn	KG
40	140	185	160	150	110	84	18	19x4	9
50	150	190	160	165	125	99	20	19x4	10
65	170	210	160	185	145	118	20	19x4	14.4
80	180	235	160	200	160	132	22	19x8	16.7
100	190	265	200	220	180	156	24	19x8	22.2
125	200	350	250	250	210	184	26	19x8	36
150	210	380	250	285	240	211	26	23x8	46
200	230	490	315	340	295	266	26	23x8	80
250	250	615	315	395	350	319	28	23x12	125
300	270	700	315	445	400	370	28	23x12	170



KSC

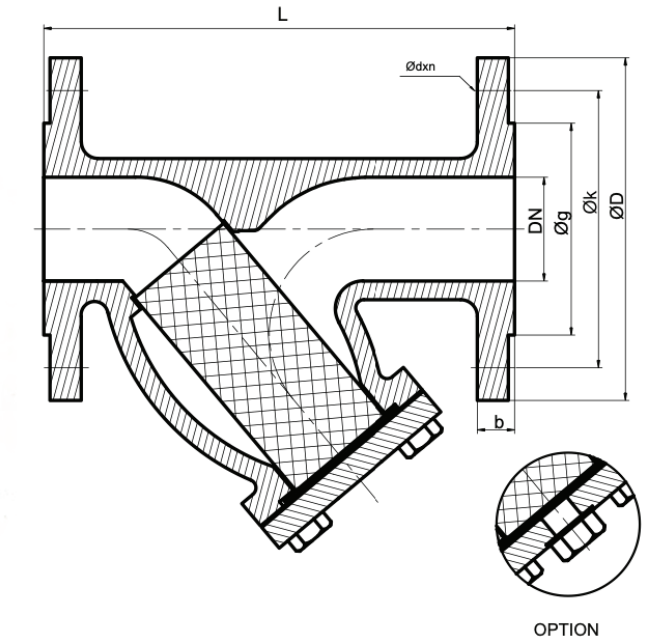


NO	PART NAME	MATERIAL
1	BODY	GGG40.3/BRONZE
2	DISC	AISI316 / ALU BRONZE
3	DISC GASKET	NBR/VITON
4	BODY GASKET	NBR/VITON
5	BOLT	AISI304

DN	ØD	Øk	L	Ødxn	KG
25	115	85	70	14x4	2,7
32	140	100	75	19x4	3,9
40	150	110	80	19x4	5,2
50	165	125	85	19x4	6,5
65	185	145	105	19x4	8,6
80	200	160	125	18x8	11
100	220	180	145	18x8	13,6
125	250	210	170	18x8	19
150	285	240	200	23x8	24,4
200	340	295	255	23x12	41



KYF

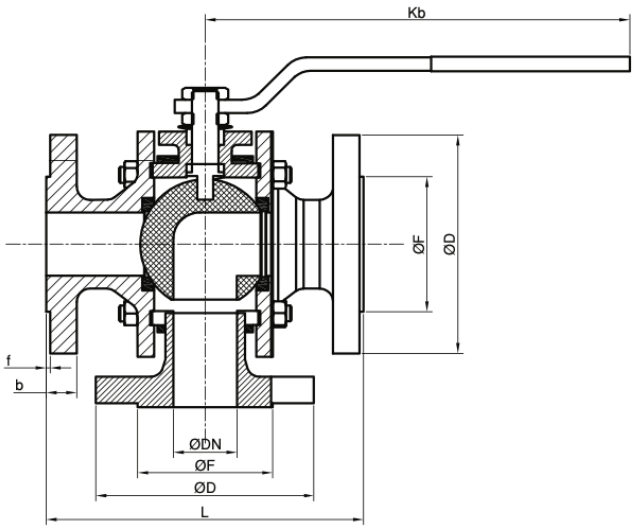


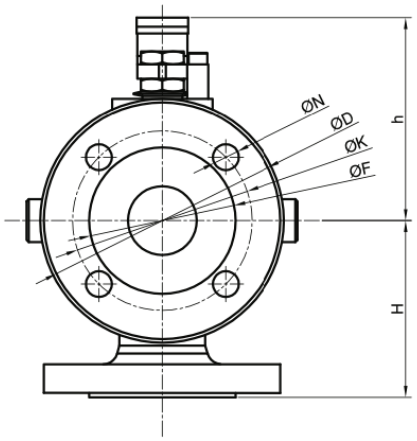
NO	PART NAME	MATERIAL
1	BODY	GG25/GGG40.3/GSC25/RG5-10
2	FILTER	AISI 304
3	GASKET	PTFE/GRAPHITE
4	BONNET	GGG40.3/GG25/GS-C25/RG5-10
5	BOLT	8.8 STEEL

		PN16					PN25					PN40				
DN	L	ØD	Øg	Øk	b	Ødxn	ØD	Øg	Øk	b	Ødxn	ØD	Øg	Øk	b	Ødxn
15	130	95	45	65	14	Ø14x4	95	45	65	14	014x4	95	45	65	14	014x4
20	150	105	58	75	16	Ø14x4	105	58	75	16	014x4	105	58	75	16	014x4
25	160	115	68	85	16	Ø14x4	115	68	85	16	014x4	115	68	85	16	014x4
32	180	140	78	100	18	Ø18x4	140	78	100	18	018x4	140	78	100	18	018x4
40	200	150	88	110	18	Ø18x4	150	88	110	18	018x4	150	88	110	18	018x4
50	230	165	102	125	20	Ø18x4	165	102	125	20	018x4	165	102	125	20	018x4
65	290	185	122	145	20	Ø18x4	185	122	145	22	018x8	185	122	145	22	018x8
80	310	200	138	160	20	Ø18x8	200	138	160	24	018x8	200	138	160	24	018x8
100	350	220	158	180	22	Ø18x8	235	158	190	26	022x8	235	158	190	26	022x8
125	400	250	188	210	22	Ø18x8	270	188	220	28	026x8	270	188	220	28	026x8
150	480	285	212	240	24	Ø22x8	300	218	250	30	026x8	300	218	250	30	026x8
200	600	340	268	295	26	Ø22x12	360	278	310	32	026x12	375	285	320	36	030x12
250	730	405	320	355	29	Ø26x12	425	335	370	35	030x12	450	345	385	42	033x12
300	850	460	378	410	32	Ø26x12	485	395	430	38	030x16	515	410	450	52	033x16
350	980	520	438	470	35	Ø26x16	555	450	490	42	033x16	580	465	510	58	036x16
400	1100	580	490	525	38	Ø30x16	620	505	550	48	036x16	660	535	585	65	039x16



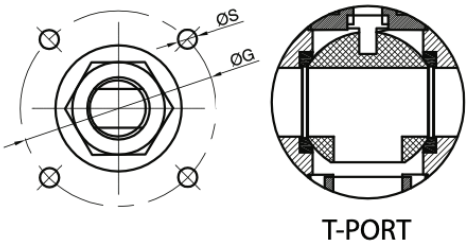
KBTL





NO	PART NAME	MATERIAL
1	BODY	CARBON STEEL/AISI304/AISI316
2	COVER	CARBON STEEL/AISI304/AISI316
3	3.WAY	CARBON STEEL/AISI304/AISI316
4	JACKET	CARBON STEEL/AISI304/AISI316
5	BALL	1.4301/1.4086/AISI304/AISI316
6	STEM	1.4021/AISI304/AISI316
7	BALL SEAL	PTFE
8	BODY SEAL	PTFE
9	NECK SEAL	PTFE
10	PRESSURE RING	ST42/AISI304
11	BOWL WASHER	CK70/AISI304
12	COUNTER NUT	5.6/AISI304
13	STUD BOLT	ST42/AISI304
14	NUT	5.6/AISI304
15	STOPPING PIM	ST42/AISI304
16	HANDLE	ST37/AISI304

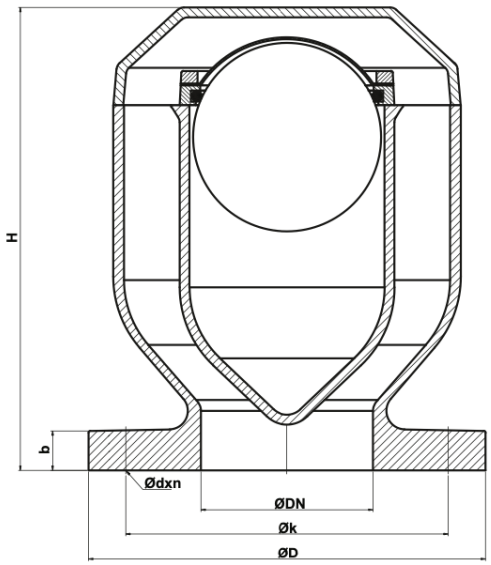
DN	L	Kb	h	f	ØD	b	ØK	Hole Unit	ØN	ØF	H	ØG	ØS
15	130	150	80	2	95	14	65	4	14	46	70	36	M6
20	150	150	85	2	105	16	75	4	14	56	80	42	M6
25	160	185	90	2	115	16	85	4	14	65	85	42	M6
32	180	240	100	2	140	16	100	4	18	76	90	50	M6
40	200	280	120	3	150	16	110	4	18	84	100	50	M6
50	230	280	125	3	165	18	125	4	18	99	115	70	M8
65	290	330	150	3	185	18	145	4	18	118	145	70	M8
80	310	400	160	3	200	20	160	8	18	132	160	102	M10
100	350	460	175	3	220	20	180	8	18	156	180	125	M12
125	400	460	200	3	250	22	210	8	18	184	220	125	M12
150	450	670	265	3	285	22	240	8	22	211	300	125	M12



T-PORT



KAVP



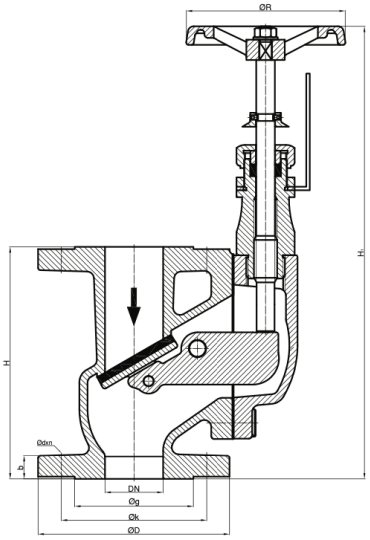
ALUMINIUM BODY		
NO	PART NAME	MATERIAL
1	BODY	G-AlSi7Mg/G-AlMg3Si/G-AlMg5Si
2	BALL	P.E.
3	GASKET HOLDER RING	G-AlSi7Mg/G-AlMg3Si/G-AlMg5Si
4	GASKET	EPDM
5	STRAINER	316
6	STRAINER HOLDER RING	G-AlSi7Mg/G-AlMg3Si/G-AlMg5Si
7	BOLT	316
8	BONNET	G-AlSi7Mg/G-AlMg3Si/G-AlMg5Si
9	FLANGE GASKET	EPDM
10	BOLT SLEEVE	NYLON6

CAST IRON BODY		
NO	PART NAME	MATERIAL
1	BODY	GG25
2	BALL	P.E.
3	o RING HOLDER RING	RG5
4	o RING	NBR
5	STRAINER	316
6	STRAINER HOLDER RING	RG5
7	BOLT	316
8	BONNET	GG25

					PN6		PN10		PN16		5K		10K	
	ØD	b	H	Kg	Øk	Ødxn	Øk	Ødxn	Øk	Ødxn	Øk	Ødxn	Øk	Ødxn
DN50	165	20	160	5,35	110	14x4	125	18x4	125	18x4	105	15x4	120	19x4
DN65	185	20	195	7,7	130	14x4	145	18x4	145	18x4	130	15x4	140	19x4
DN80	200	20	218	9,6	150	18x4	160	18x8	160	18x8	145	19x4	150	19x8
DN100	220	22	260	13,2	170	18x4	180	18x8	180	18x8	165	19x8	175	19x8
DN125	250	22	305	19	200	18x8	210	18x8	210	18x8	200	19x8	210	19x8
DN150	285	24	365	27,3	225	18x8	240	22x8	240	22x8	230	19x8	240	23x8
DN200	340	26	460	47	280	18x8	295	22x8	295	22x12	280	23x8	290	23x12
DN250	405	28	570	78	335	18x12	350	22x12	355	26x12	345	23x12	355	25x12
DN300	460	28	730	142	395	22x12	400	22x12	410	26x12	390	23x12	400	25x16
DN350	520	30	815	195	445	22x12	460	22x16	470	26x12	435	25x12	445	25x16
DN400	580	32	846	223	495	22x16	515	22x16	525	30x16	495	25x16	510	27x16



KSTS



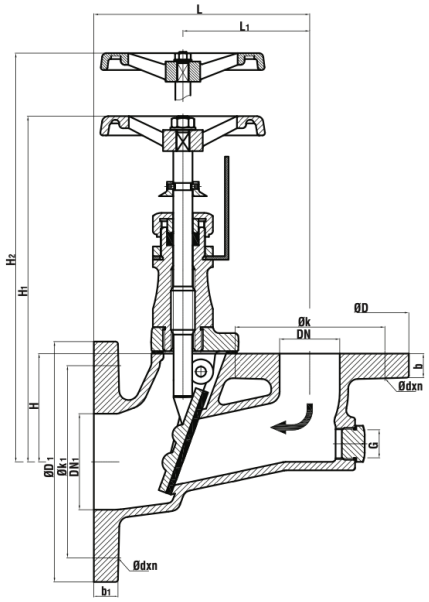
ALUMINIUM BODY		
NO	PART NAME	MATERIAL
1	BODY	G-AlSi7Mg/G-AlMg3Si/G-AlMg5Si
2	BALL	P.E.
3	GASKET HOLDER RING	G-AlSi7Mg/G-AlMg3Si/G-AlMg5Si
4	GASKET	EPDM
5	STRAINER	316
6	STRAINER HOLDER RING	G-AlSi7Mg/G-AlMg3Si/G-AlMg5Si
7	BOLT	316
8	BONNET	G-AlSi7Mg/G-AlMg3Si/G-AlMg5Si
9	FLANGE GASKET	EPDM
10	BOLT SLEEVE	NYLON6

CAST IRON BODY		
NO	PART NAME	MATERIAL
1	BODY	GG25
2	BALL	P.E.
3	o RING HOLDER RING	RG5
4	o RING	NBR
5	STRAINER	316
6	STRAINER HOLDER RING	RG5
7	BOLT	316
8	BONNET	GG25

					PN6		PN10		PN16		5K		10K	
	ØD	b	H	Kg	Øk	Ødxn	Øk	Ødxn	Øk	Ødxn	Øk	Ødxn	Øk	Ødxn
DN50	165	20	160	5,35	110	14x4	125	18x4	125	18x4	105	15x4	120	19x4
DN65	185	20	195	7,7	130	14x4	145	18x4	145	18x4	130	15x4	140	19x4
DN80	200	20	218	9,6	150	18x4	160	18x8	160	18x8	145	19x4	150	19x8
DN100	220	22	260	13,2	170	18x4	180	18x8	180	18x8	165	19x8	175	19x8
DN125	250	22	305	19	200	18x8	210	18x8	210	18x8	200	19x8	210	19x8
DN150	285	24	365	27,3	225	18x8	240	22x8	240	22x8	230	19x8	240	23x8
DN200	340	26	460	47	280	18x8	295	22x8	295	22x12	280	23x8	290	23x12
DN250	405	28	570	78	335	18x12	350	22x12	355	26x12	345	23x12	355	25x12
DN300	460	28	730	142	395	22x12	400	22x12	410	26x12	390	23x12	400	25x16
DN350	520	30	815	195	445	22x12	460	22x16	470	26x12	435	25x12	445	25x16
DN400	580	32	846	223	495	22x16	515	22x16	525	30x16	495	25x16	510	27x16



KSTA



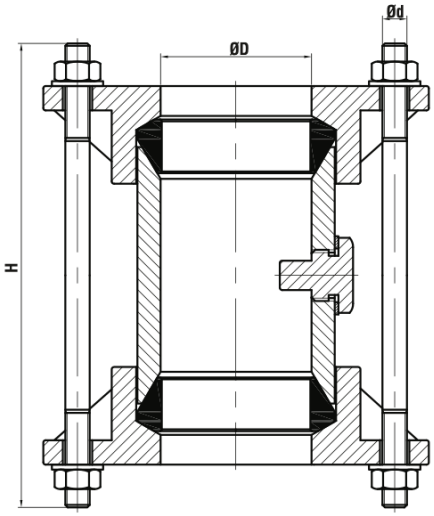
NO	PART NAME	MATERIAL
1	BODY	GGG40.3/BRONZE
2	DISC	RG5
3	GASKET	NBR
4	BONNET	GGG40.3/BRONZE
5	PIN & KOTTER PIN	CuZn39Pb3
6	GASKET	NBR
7	BOLT	8.8 STEEL
8	STEM	AISI 420/BRASS
9	LOCKING DEVICE	CuZn39Pb3
10	INDICATOR	AISI 304

11	NUT	CuZn39Pb3
12	PACKING	GRAPHITE
13	PRESS RING	CuZn39Pb3
14	PRESS NUT	CuZn39Pb3
15	INDICATOR ARM	AISI 304
16	GRUB SCREW	AISI 304
17	HANDWHEEL	GG25
18	NUT & WASHER	STEEL
19	PLUG	CuZn39Pb3

DN	DN1	D	D1	k	k1	b	b1	L	L1	H	H1	Ødxn	Ød1xn	G	KG
50	80	165	200	125	160	20	20	180	96	90	290	18x4	18x8	3/4"	12,5
65	100	185	220	145	180	20	22	200	107,5	100	295	18x4	18x8	3/4"	16
80	125	200	250	160	210	20	22	215	129	108	305	18x8	18x8	3/4"	20
100	150	220	285	180	240	22	24	250	145	130	340	18x8	22x8	1"	27,5
125	175	250	315	210	270	22	24	290	177	152	400	18x8	22x8	1"	37
150	200	285	340	240	295	24	26	330	199	176	425	22x8	22x8	1"	52



KPC

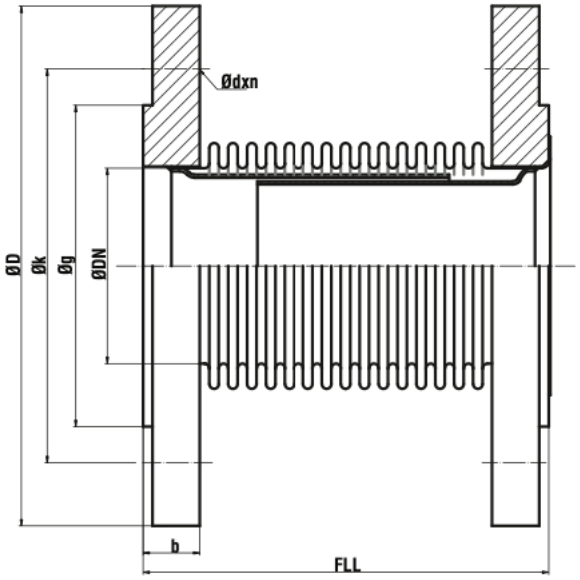


NO	PART NAME	MATERIAL
1	BODY	GGG40.3
2	PIPE	ST42
3	WASHER	COPPER
4	PLUG	AISI 316
5	GASKET	NBR
6	STUD	6.8 STEEL
7	NUT & WASHER	5.2 STEEL

DN	PN	ØD	H	Ødxn	KG
50	16	62	190	M10x4	5,35
65	16	79	190	M10x4	7,4
80	16	91	190	M10x4	7,85
100	16	117	190	M10x4	9,1
125	16	144	190	M10x6	12
150	16	171	210	M12x6	15
200	16	222	210	M12x8	20
250	16	276	220	M14x8	27
300	16	327	240	M14x10	32
350	6	360	290	M16x10	45
400	6	411	300	M18x10	-
450	6	461	300	M18x10	-
500	6	515	300	M18x10	-



KMJ

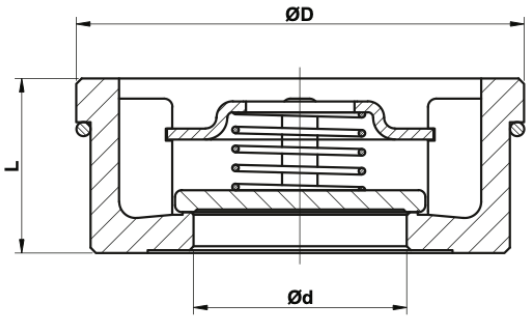


NO	PART NAME	MATERIAL
1	FLANGE	ST37
2	BELLOWS	AISI 304 - 316 - 1 - - 321
3	SLEEVE	AISI 304 - 316 - 321

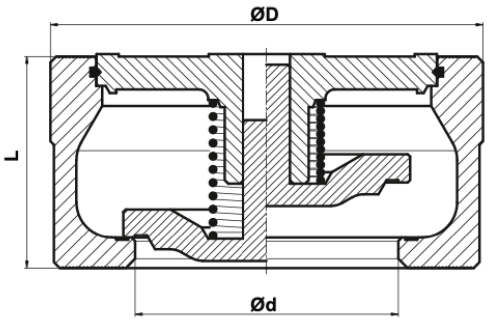
						Lo:30mm		Lo:60mm		KG	
DN	ØD	Øk	Øg	Øb	Ødxn	FLL	KBL	FLL	KBL	FLL	KBL
25	115	85	68	16	14x4	120	170			2	0,2
32	140	100	78	16	18x4	120	170			3,3	0,43
40	150	110	88	16	18x4	120	170			3,9	0,6
50	165	125	102	18	18x4	120	170			4,6	0,76
65	185	145	122	18	18x4	120	170	180	230	6	1,1
80	200	160	138	20	18x8	120	190	180	230	6,7	1,5
100	220	180	158	20	18x8	130	190	190	260	8,2	2,2
125	250	210	188	22	18x8	140	200	190	260	10,4	2,6
150	285	240	212	22	22x8	140	200	200	280	15,6	3,4
200	340	295	268	24	22x12	140	200	200	280	19	4,8
250	405	355	320	26	26x12	150	200	210	280	21,4	10,74



KDC



DN15 - DN100



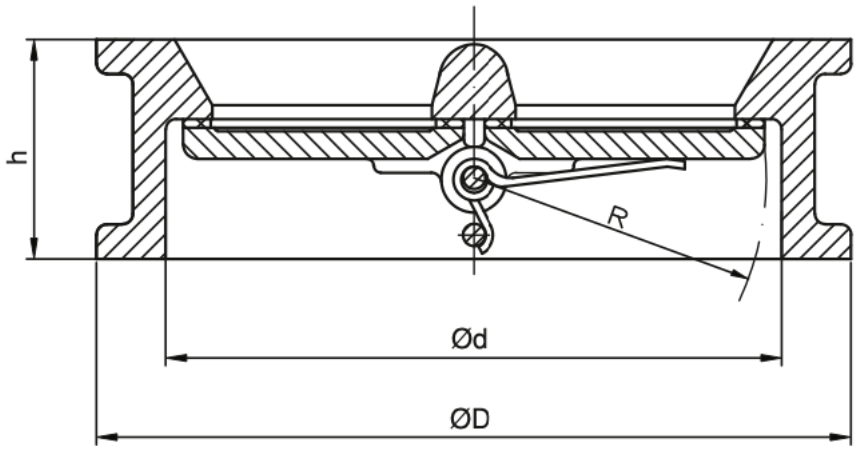
DN125-DN250

NO	PART NAME	MATERIAL	
		DN 15 - 100	DN 125 - 250
1	BODY	MS58/SS316	GGG50
2	DISK	AISI 304	GGG50
3	SPRING	CrNi	CrNi
4	SEGMENT	AISI 304	AISI 304/SS316
5	HOOP	AISI 304	-

DN	OD	Od	L	KG
15	40	15	16	0,09
20	47	20	18,7	0,14
25	56	25	21,5	0,2
32	76	31	28	0,47
40	82	39	32	0,62
50	95	48	40	1
65	115	63	46	1,52
80	132	75	50	2,1
100	152	89	60	3,15
125	184	112	90	8
150	209	132	106	10,18
200	264	175	140	21,34
250	328	225	200	40,2



KDPC

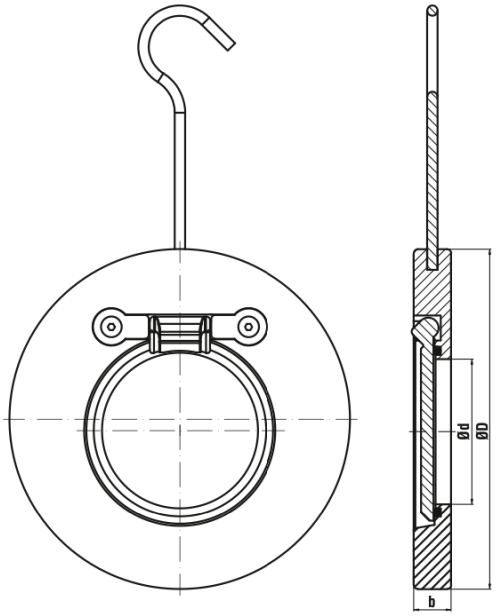


NO	PART NAME	MATERIAL
1	BODY	GGG 40.3 / GG 25
2	DISC	AISI 316 / Alu. Bronze
3	SEAT	NBR / EPDM
4	HINGING PIN	Gr 33
5	SPRING	AISI 304
6	STEM	AISI 416
7	WASHER	AISI 304
8	DISC WASHER	AISI 304
9	GASKET	NBR
10	GRUB SCREW	St 37

SIZE	DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300	DN350	DN400
0d	65	80	94	117	145	170	224	265	310	360	410
D	107	127	142	162	192	218	268	327	384	438	488
h	43	46	64	64	70	76	89	114	114	127	140
R	28,8	36,1	43,4	50	68,2	78,6	104,5	128	148,3	172,4	198
KG	1,5	2,4	3,6	5,7	7,3	9	17	26	42	55	75



KWC

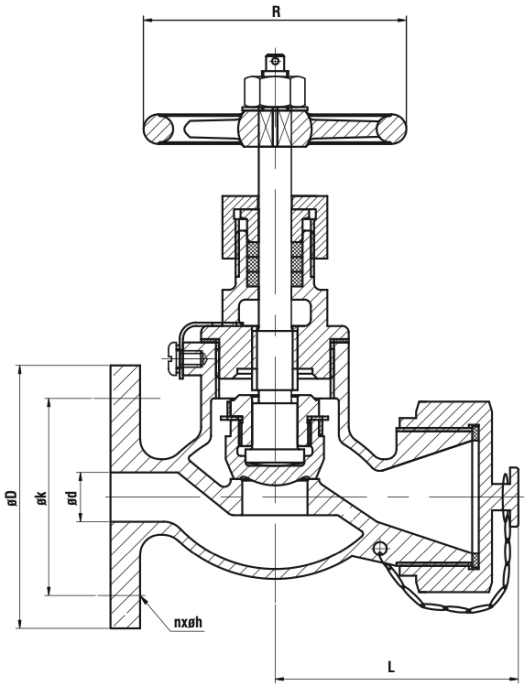


NO	PART NAME	MATERIAL
1	BODY	ST42/SS 316/RG5
2	O RING	NBR/EPDM
3	DISC	AISI 316/ALU.BRONZE
4	WASHER	AISI 304
5	BOLT	AISI 304
6	EYE BOLT	SAE 1040

SIZE	DN40	DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300	DN350	DN400
od	22	32	40	54	70	92	112	158	192	234	266	305
OD	94	109	129	144	164	195	220	275	330	380	440	490
b	14	16	16	16	18	18	20	22	25	30	38	40
KG	0,7	1	1,5	1,8	3,4	3,7	5	10	13	19	31,5	41



KFHS



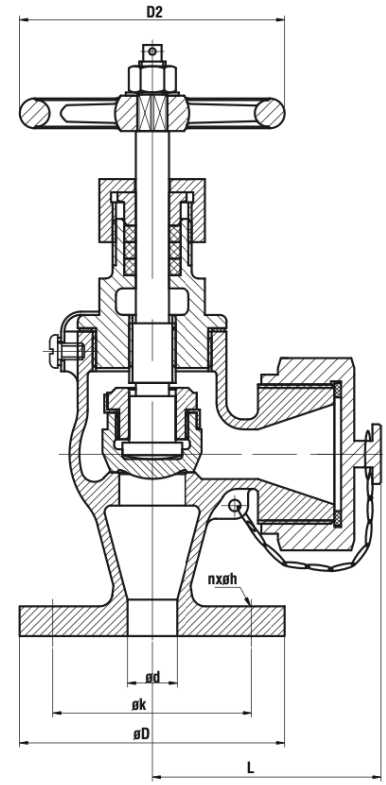
NO	PART NAME	MATERIAL
1	BODY	RG5
2	DISC	RG5
3	STEM	CuZn39Pb3 (Ms58)
4	SET SCREW	8.8 STEEL
5	DISC GASKET	EPDM
6	NUT&WASHER	8.8 STEEL
7	GASKET	KLINGRIT

8	BONNET	RG5
9	BOLT	CuZn39Pb3 (Ms58)
10	PACKING	GRAPHITE
11	PACKING PRESS	CuZn39Pb3 (Ms58)
12	PACKING NUT	CuZn39Pb3 (Ms58)
13	HAND WHEEL	GG25
14	BOLT & WASHER	8.8 STEEL

DN	ØD	Øk	0g	b	Ødxn	L	H	ØR	G	KG
40	150	110	88	18	18x4	150	130	110	R 1 1/2"	5,4
50	165	125	102	20	18x4	165	140	140	R 2"	6,8
65	185	145	122	20	18x4	200	160	140	R2 1/2"	9



KFHA



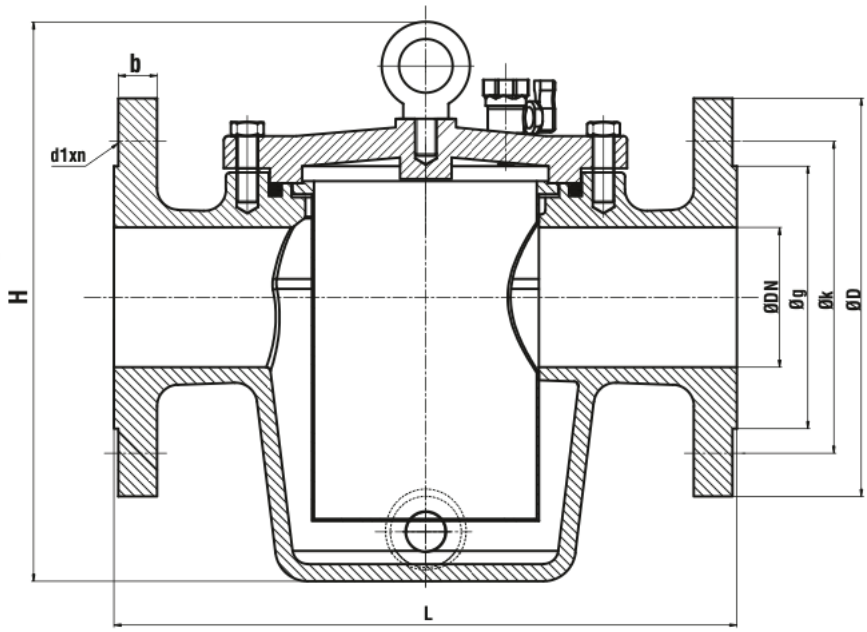
NO	PART NAME	MATERIAL
1	BODY	RG5
2	DISC	RG5
3	STEM	CuZn39Pb3 (Ms58)
4	SET SCREW	8.8 STEEL
5	DISC GASKET	EPDM
6	NUT&WASHER	8.8 STEEL
7	GASKET	KLINGRIT

8	BONNET	RG5
9	BOLT	CuZn39Pb3 (Ms58)
10	PACKING	GRAPHITE
11	PACKING PRESS	CuZn39Pb3 (Ms58)
12	PACKING NUT	CuZn39Pb3 (Ms58)
13	HAND WHEEL	GG25
14	BOLT & WASHER	8.8 STEEL

DN	ØD	Øk	0g	b	Ødxn	L1	L2	H	ØR	G	KG
40	150	110	88	18	18x4	75	65	130	110	R 1 1/2"	5
50	165	125	102	20	18x4	75	75	140	110	R 2"	6,4
65	185	145	122	20	18x4	95	90	160	140	R 2 1/2"	8,2



KMXS

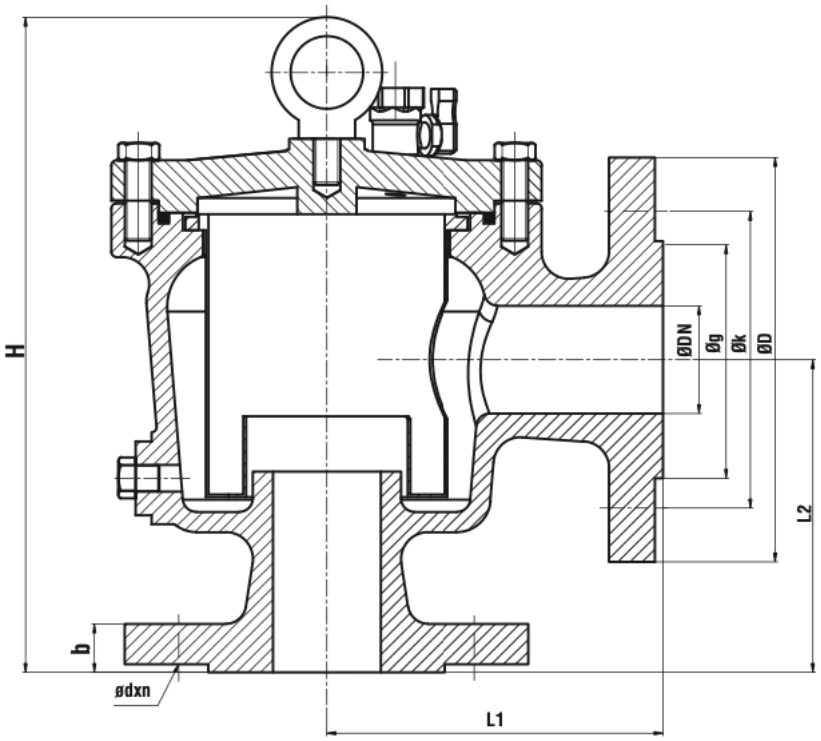


NO	PART NAME	MATERIAL
1	BODY	GGG40.3/RG5-10
2	SCREEN	GAL.STEEL/AISI 316 / BRASS
3	o RING	NBR
4	BONNET	GGG40.3/RG5-10
5	BOLT	STEEL
6	PLUG	MS 58
7	BALL VALVE	MS 58
8	RING BOLT	SAE 1040

DN	L	H	ØD	Øk	Øg	b	Ød1xn	KG
32	200	200	140	100	78	18	18x4	10
40	200	200	150	110	88	20	18x4	10
50	230	221	165	125	102	20	18x4	14
65	290	254	185	145	122	20	18x4	21
80	310	290	200	160	138	22	18x8	27
100	350	335	220	180	158	24	18x8	36
125	400	407	250	210	188	26	18x8	56
150	480	460	285	240	212	26	22x8	78
200	600	575	340	295	268	30	22x12	130
250	600	610	405	355	320	32	26x12	160
300	600	750	460	410	378	26	26x12	-
350	800	740	520	470	438	35	26x16	-
400	740	875	580	525	490	32	30x16	-



KMXA

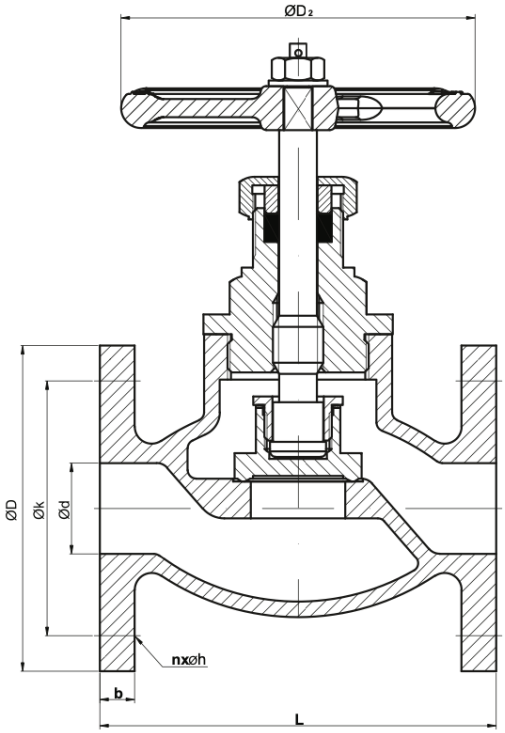


NO	PART NAME	MATERIAL
1	BODY	GGG40.3/RG5-10
2	SCREEN	GAL.STEEL/AISI 316 / BRASS
3	o RING	NBR
4	BONNET	GGG40.3/RG5-10
5	BOLT	STEEL
6	PLUG	MS 58
7	BALL VALVE	MS 58
8	RING BOLT	SAE 1040

DN	L1	L2	H	ØD	Øk	Øg	b	Ødixn	KG
32	125	125	228	140	100	78	18	18x4	11
40	125	125	228	150	110	88	20	18x4	12
50	135	135	246	165	125	102	20	18x4	17
65	150	150	271	185	145	122	20	18x4	21
80	175	175	320	200	160	138	22	18x8	29
100	195	195	361	220	180	158	24	18x8	42
125	220	220	407	250	210	188	26	18x8	58
150	270	270	480	285	240	212	26	22x8	89
200	300	300	540	340	295	268	30	22x12	138
250	390	390	665	405	355	320	32	26x12	165
300	375	375	780	460	410	370	30	26x12	-
350	400	400	830	520	470	429	30	26x16	-
400	420	420	1000	580	525	480	38	30x16	-



KJBS

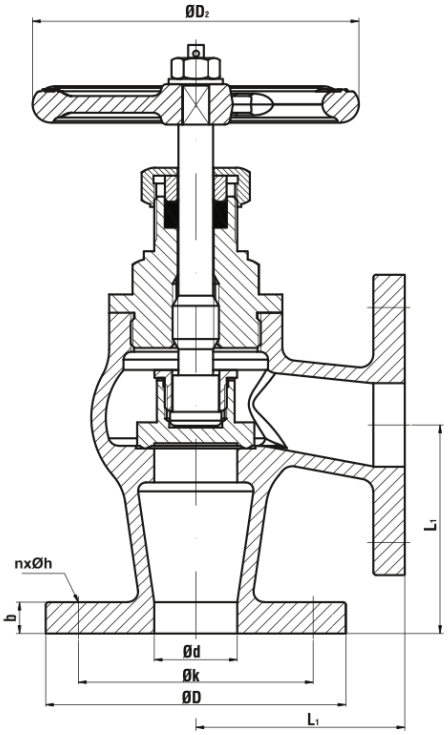


NO	PART NAME	MATERIAL
1	BODY	RG5
2	DISC	RG5
3	STEM	CuZn39Pb3
4	DISC LOCK WASHER	CuZn39Pb3
5	DISC NUT	CuZn39Pb3
6	BONNET	RG5
7	PACKING	GRAFITE
8	RING	CuZn39Pb3
9	PACKING NUT	CuZn39Pb3
10	LOCK PLATE	CuZn39Pb3
11	SCREW	CuZn39Pb3
12	HANDWHEEL	GG25
13	NUT & WASHER	CuZn39Pb3
14	SPLIT PIN	CuZn39Pb3

		FLANGE JIS 5K						FLANGE JIS 10K						
DM	Ød	ØD	Øk	b	nxØh	L1	KG	ØD	Øk	b	nxØh	L1	KG	ØD2
15A	15	80	60	9	4x12	100	1,8	95	70	12	4x15	110	2,8	80
20A	20	85	65	10	4x12	110	3	100	75	14	4x15	120	4	100
25A	25	95	75	10	4x12	120	3,7	125	90	14	4x19	130	5	125
32A	32	115	90	12	4x15	140	5,3	135	100	16	4x19	160	7	125
40A	40	120	95	12	4x15	160	6,8	140	105	16	4x19	180	9	140
50A	50	130	105	14	4x15	210	11,8	155	120	16	8x19	220	13	160



KJBA



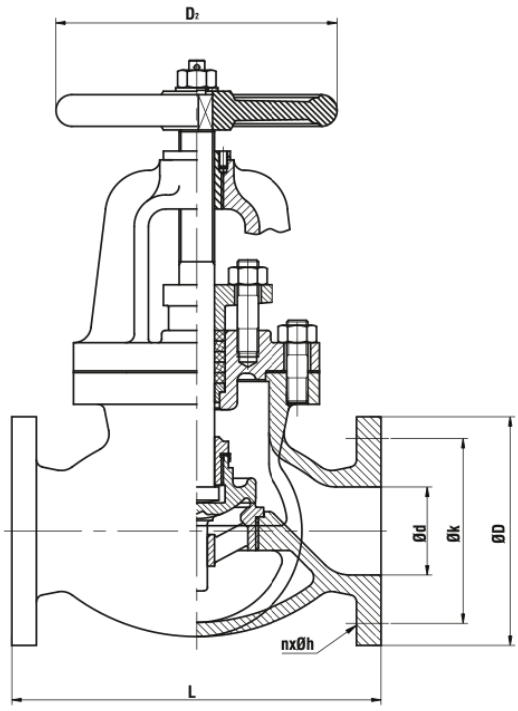
NO	PART NAME	MATERIAL
1	BODY	RG5
2	DISC	RG5
3	STEM	CuZn39Pb3
4	DISC LOCK WASHER	CuZn39Pb3
5	DISC NUT	CuZn39Pb3
6	BONNET	RG5
7	PACKING	GRAFITE

8	RING	CuZn39Pb3
9	PACKING NUT	CuZn39Pb3
10	LOCK PLATE	CuZn39Pb3
11	SCREW	CuZn39Pb3
12	HANDWHEEL	GG25
13	NUT & WASHER	CuZn39Pb3
14	SPLIT PIN	CuZn39Pb3

		FLANGE JIS 5K						FLANGE JIS 10K						
DM	Ød	ØD	Øk	b	nxØh	L1	KG	ØD	Øk	b	nxØh	L1	KG	ØD2
15A	15	80	60	9	4x12	55	1,9	95	70	12	4x15	70	2,7	80
20A	20	85	65	10	4x12	60	2,7	100	75	14	4x15	75	3,6	100
25A	25	95	75	10	4x12	65	3,5	125	90	14	4x19	85	5,2	125
32A	32	115	90	12	4x15	80	4,7	135	100	16	4x19	95	6,5	125
40A	40	120	95	12	4x15	85	5,5	140	105	16	4x19	100	7,6	140
50A	50	130	105	14	4x15	100	9	155	120	16	8x19	120	11,3	160



KJLS



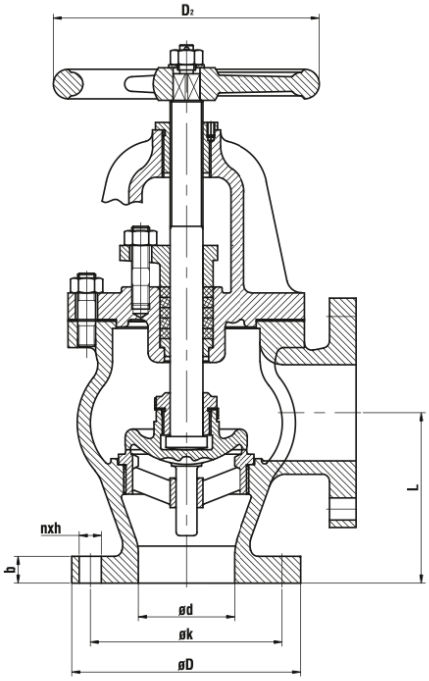
NO	PART NAME	MATERIAL
1	BODY	GG 20
2	GASKET	KLINGRIT
3	COVER	GG 20
4	STEM	AISI 420 / CuZn39Pb3
5	DISK LOCK WASHER	CuZn39Pb3
6	DISC NUT	AISI 420 / CuZn39Pb3
7	SEALING RING	AISI 420 / CuZn39Pb3
8	DISC	AISI 420 / CuZn39Pb3
9	BOLT	STEEL

10	PACKING	GRAPHITE
11	PACKING BUSH	CuZn39Pb3
12	GLAND	GG 20
13	BOLT	STEEL
14	WASHER	STEEL
15	SCREW	STEEL
16	SCREWED BON. BUSH	CuZn39Pb3
17	HANDWHEEL	GG 20
18	SPLIT PIN	CuZn39Pb3
19	NUT	STEEL

		FLANGE JIS 5K							FLANGE JIS 10K						
DM	Ød	ØD	Øk	b	nxoh	L	ØD2	KG	ØD	Øk	b	nxoh	L	ØD2	KG
50A	50	130	105	16	4x15	210	160	15	155	120	20	4x19	220	160	20
65A	65	155	130	18	4x15	250	180	21	175	140	22	4x19	270	200	29
80A	80	180	145	18	4x19	280	180	28	185	150	22	8x19	300	200	32
100A	100	200	165	20	8x19	340	224	41	210	175	24	8x19	350	250	49
125A	125	235	200	20	8x19	410	250	58	250	210	24	8x23	420	280	73
150A	150	265	230	22	8x19	480	280	80	280	240	26	8x23	490	315	104
200A	200	320	280	24	8x23	570	315	139	330	290	26	12x23	570	355	162
250A	250	385	345	26	12x23	740	355	246	400	355	30	12x25	740	450	304
300A	300	430	390	28	12x23	840	400	377	445	400	32	16x25	840	500	-
350A	350	480	435	30	12x25	940	500								
400A	400	540	495	30	16x25	1050	630								



KJLA



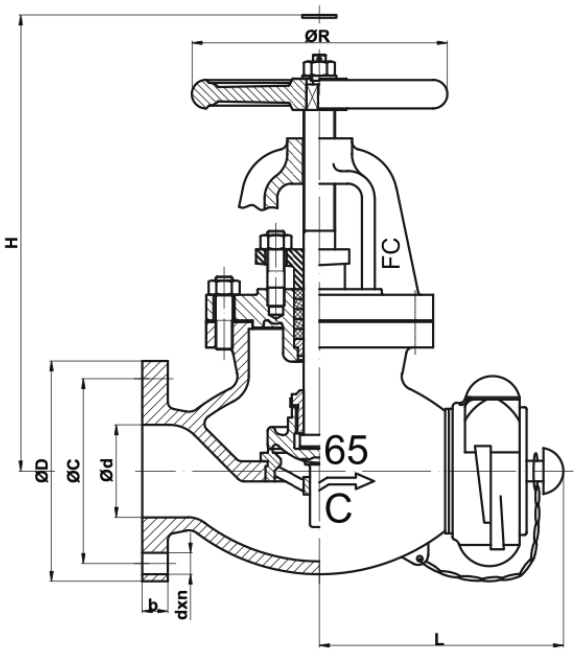
NO	PART NAME	MATERIAL
1	BODY	GG 20
2	GASKET	KLINGRIT
3	COVER	GG 20
4	STEM	AISI 420 / CuZn39Pb3
5	DISK LOCK WASHER	CuZn39Pb3
6	DISC NUT	AISI 420 / CuZn39Pb3
7	SEALING RING	AISI 420 / CuZn39Pb3
8	DISC	AISI 420 / CuZn39Pb3
9	BOLT	STEEL

10	PACKING	GRAPHITE
11	PACKING BUSH	CuZn39Pb3
12	GLAND	GG 20
13	BOLT	STEEL
14	WASHER	STEEL
15	SCREW	STEEL
16	SCREWED BON. BUSH	CuZn39Pb3
17	HANDWHEEL	GG 20
18	SPLIT PIN	CuZn39Pb3
19	NUT	STEEL

		FLANGE JIS 5K							FLANGE JIS 10K						
DM	Ød	Ød	Øk	b	nxoh	L	ØD2	KG	ØD	Øk	b	nxoh	L	ØD2	KG
50A	50	130	105	16	4x15	100	160	13	155	120	20	4x19	120	160	18
65A	65	155	130	18	4x15	115	180	18	175	140	22	4x19	130	200	25
80A	80	180	145	18	4x19	130	180	23.5	185	150	22	8x19	140	200	27
100A	100	200	165	20	8x19	150	224	34	210	175	24	8x19	160	250	41
125A	125	235	200	20	8x19	170	250	46	250	210	24	8x23	180	280	70
150A	150	265	230	22	8x19	190	280	63,5	280	240	26	8x23	205	315	81
200A	200	320	280	24	8x23	220	315	105	330	290	26	12x23	213	355	125
250A	250	385	345	26	12x23	275	355	176	400	355	30	12x25	290	450	211
300A	300	430	390	28	12x23	310	400	243	445	400	32	16x25	320	500	--
350A	350	480	435	30	12x25	360	500	--	490	445	34	16x25	360	560	--
400A	400	540	495	30	16x25	395	560	--	560	510	36	16x27	420	630	--



KJFS



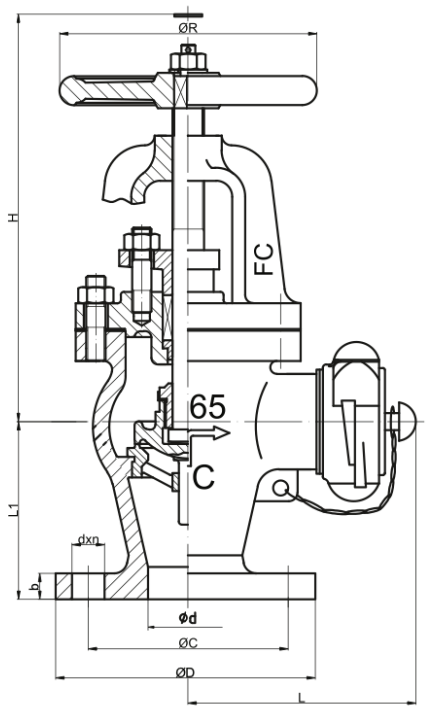
NO	PART NAME	MATERIAL
1	BODY	GG 25
2	BONNET	CuZn40
3	PACKING	CuZn40
4	GLAND	2Cr13
5	COVER	GG 25
6	STEM	AISI 420
7	DISC NUT	2Cr13
8	GASKET	2Cr13
9	DISC	2Cr13
10	SEAT	2Cr13

11	NUT	St 37
12	BOLT	St 37
13	NUT	St 37
14	BOLT	St 37
15	GRAPHITE PACKING	Graphite
16	ASBESTOS FREE	Graphite
17	HANDWHELL	GG 25
18	WASHER	St 37
19	NUT	St 37
20	SPLIT PIN	STEEL

		FLANGE CIS 5K								FLANGE CIS 10K							
DM	Ød	ØD	Øk	b	H	L	nxd	ØR	KG	ØD	Øk	b	H	L	nxd	ØR	KG
50	50	130	105	16	270	165	4x15	160	15	155	120	20	285	170	4x19	160	19
65	65	155	130	18	310	175	4x15	200	21	175	140	22	310	200	4x19	200	28



KJFA



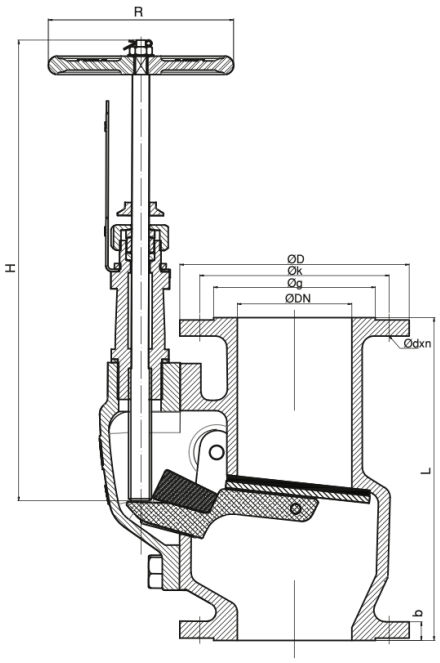
NO	PART NAME	MATERIAL
1	BODY	GG 25
2	BONNET	CuZn40
3	PACKING	CuZn40
4	GLAND	2Cr13
5	COVER	GG 25
6	STEM	AISI 420
7	DISC NUT	2Cr13
8	GASKET	2Cr13
9	DISC	2Cr13
10	SEAT	2Cr13

11	NUT	St 37
12	BOLT	St 37
13	NUT	St 37
14	BOLT	St 37
15	GRAPHITE PACKING	Graphite
16	ASBESTOS FREE	Graphite
17	HANDWHELL	GG 25
18	WASHER	St 37
19	NUT	St 37
20	SPLIT PIN	STEEL

		FLANGE CIS 5K						FLANGE JIS 10K						FLANGE JIS 16K					
DM	Ød	ØD	Øk	g	b	Ødxn	KG	ØD	Øk	g	b	Ødxn	KG	ØD	Øk	g	b	Ødxn	KG
50	50	130	105	16	240	155	100	4x15	160	13	155	120	20	255	170	110	4x19	160	17
65	65	155	130	18	270	175	130	4x15	200	17	175	140	22	270	185	130	4x19	200	24



KJTS

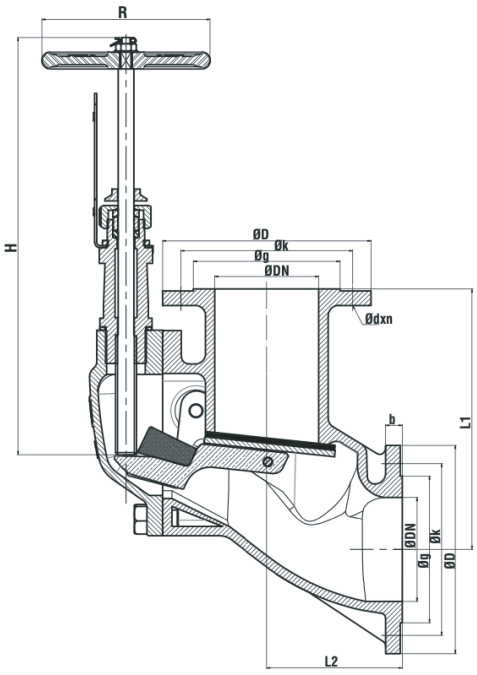


NO	PART NAME	MATERIAL
1	BODY	GSC25
2	DISC	RG5
3	GASKET	NBR
4	DISC WEIGHT	GGG40.3
5	PIN & KOTTER PIN	CuZn39Pb3
6	CENTER PIN	CuZn39Pb3
7	GASKET	KLINGERIT
8	BONNET	GSC25
9	BOLT	8.8 STEEL
10	STEM	AISI 420

11	LOCKING DIVECE	CuZn39Pb3
12	INDICATOR	AISI 304
13	NUT	CuZn39Pb3
14	PACKING	GRAPHITE
15	PRESS RING	CuZn39Pb3
16	PRESS NUT	CuZn39Pb3
17	INDICATOR ARM	AISI 304
18	GRUB SCREW	8.8 STEEL
19	HANDWHEEL	GG25
20	NUT & WASHER	STEEL

				FLANGE CIS 5K						FLANGE JIS 10K						FLANGE JIS 16K					
DN	L	H	R	ØD	Øk	g	b	Ødxn	KG	ØD	Øk	g	b	Ødxn	KG	ØD	Øk	g	b	Ødxn	KG
50	210	131	100	130	105	85	14	15x4	12,5	155	120	96	16	19x4	13,5	155	120	96	16	19x8	13,5
65	240	141	100	155	130	110	14	15x4	18	175	140	116	18	19x4	19	175	140	116	18	19x8	19
80	260	155	125	180	145	121	14	19x4	23	185	150	126	18	19x8	23	200	160	132	20	23x8	23
100	280	171	125	200	165	141	16	19x8	31	210	175	151	18	19x8	32	225	185	160	22	23x8	32
125	330	195	125	235	200	176	16	19x8	50	250	210	182	20	23x8	51	270	225	195	22	25x8	51
150	360	212	125	265	230	206	18	19x8	67	280	240	212	22	23x8	69	305	260	230	24	25x12	69





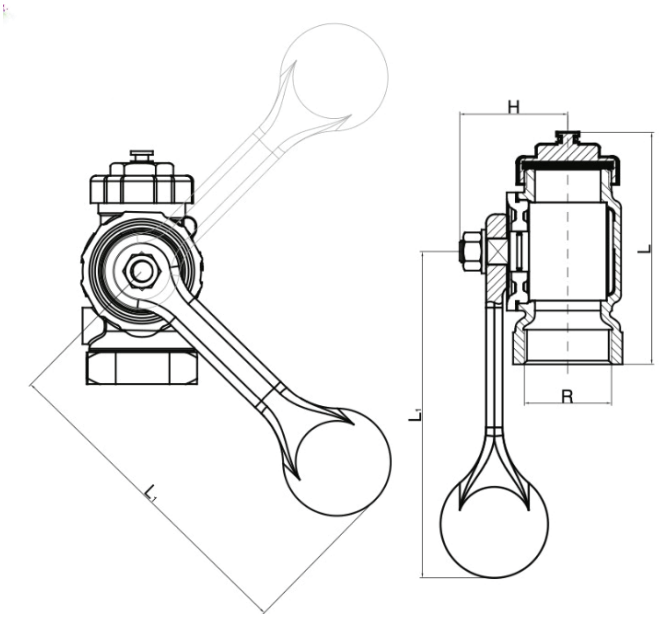
NO	PART NAME	MATERIAL
1	BODY	GSC25
2	DISC	RG5
3	GASKET	NBR
4	DISC WEIGHT	GGG40.3
5	PIN & KOTTER PIN	CuZn39Pb3
6	CENTER PIN	CuZn39Pb3
7	GASKET	KLINGERIT
8	BONNET	GSC25
9	BOLT	8.8 STEEL
10	STEM	AISI 420

11	LOCKING DIVECE	CuZn39Pb3
12	INDICATOR	AISI 304
13	NUT	CuZn39Pb3
14	PACKING	GRAPHITE
15	PRESS RING	CuZn39Pb3
16	PRESS NUT	CuZn39Pb3
17	INDICATOR ARM	AISI 304
18	GRUB SCREW	8.8 STEEL
19	HANDWHEEL	GG25
20	NUT & WASHER	STEEL

				FLANŞ JIS 5K							FLANŞ JIS 10K						FLANŞ JIS 16K					
DN	L1	L2	H	R	ØD	Øk	g	b	Ødxn	KG	ØD	Øk	g	b	Ødxn	KG	ØD	Øk	g	b	Ødxn	KG
50	170	90	131	100	130	105	85	14	Ø15x4	12	155	120	96	16	Ø19x4	13	155	120	96	16	Ø19x8	13
65	200	110	141	100	155	130	110	14	Ø15x4	17	175	140	116	18	Ø19x4	18	175	140	116	18	Ø19x8	18
80	220	120	155	125	180	145	121	14	Ø19x4	22	185	150	126	18	Ø19x8	23	200	160	132	20	Ø23x8	23
100	250	130	171	125	200	165	141	16	Ø19x8	29	210	175	151	18	Ø19x8	30	225	185	160	22	Ø23x8	30
125	270	150	195	125	235	200	176	16	Ø19x8	58	250	210	182	20	Ø23x8	51	270	225	195	22	Ø25x8	51
150	310	165	212	125	265	230	206	18	Ø19x8	53	280	240	212	22	Ø23x8	54	305	260	230	24	Ø25x12	54



KSCB



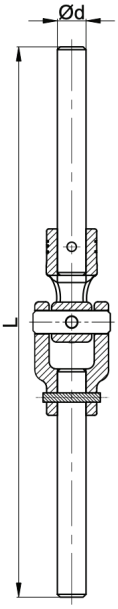
NO	PART NAME	MATERIAL
1	BODY	RG5
2	CYLINDER	RG5
3	O RING	NBR
4	BONNET	RG5
5	LEVER	GGG 40,3
6	WASHER & NUT	AISI 316

7	PLUG	RG5
8	GASKET	NBR
9	WIRE	AISI 304
10	NOZZLE	CuZn39Pb3
11	BUTTON	CuZn39Pb3
12	ORING	NBR
13	SPRING	SPRING STEEL C

DN	R	L	L1	H	KG
40	1 1/2"	130	180	60	2,8
50	2"	140	180	60	3



KJJ



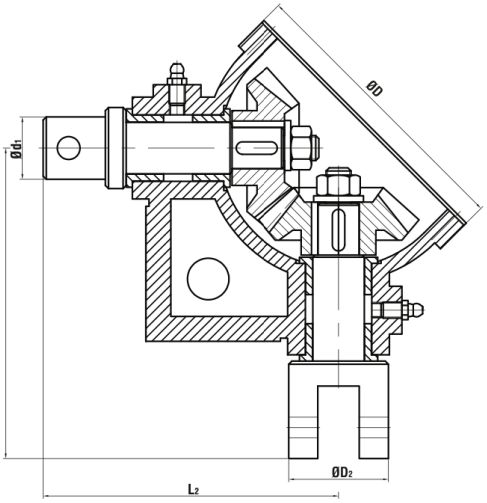
NO	PART NAME	MATERIAL
1	BODY	RG5
2	STEM	SAE 1040
3	PIN	SAE 1040
4	CUBE	CuZn39Pb3
5	CENTER PIN	AISI 304
6	BOLT & NUT	AISI 304

DIMENSION	ØD	L	KG
SMALL JOINT	20	375	2,75
LARGE JOINT	25	435	4,35

Angle Gear Box



KAGX

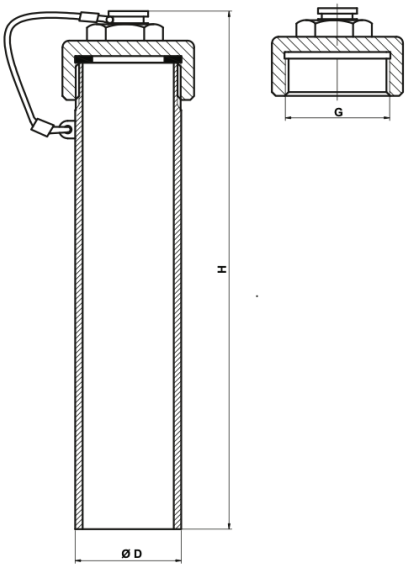


NO	PART NAME	MATERIAL
1	BODY	GGG40.3
2	STEM	GGG40.3
3	BUSH	RG5
4	STEM	SAE 1040
5	BONNET	ST37
6	TAPER GEAR	SAE 1050
7	COTTER	SAE 1040
8	GREASE BOX	ST
9	NUT & WASHER	6.8 STEEL

DIMENSION	ØD	L1	L2	Ød1	Ød2	KG
ANGLE JOINT	140	150	142	30	48	5,6



KSP

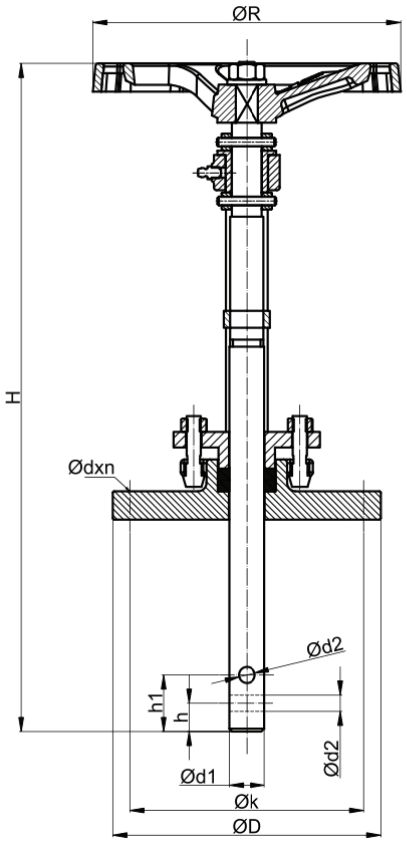


NO	PART NAME	METARIAL
1	PIPE	St42+Galv.
2	PLUG	Ms58 / Alternative(ZnAl4)
3	GASKET	NBR
4	WIRE	AISI 304

DIMENSION	ØD	H	G	G1	KG
1 1/2"	48,3	220	1 1/2"	2"	1,4
2"	60,3	220	2"	2 1/2"	1,8
2 1/2"	76,1	220	2 1/2"	-	2,4
3"	88,9	220	3"		4



KDSC



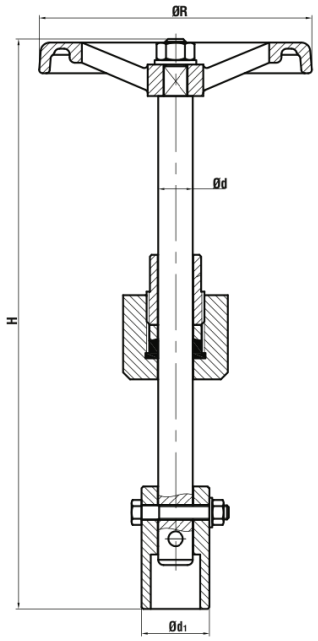
NO	PART NAME	MATERIAL
1	BODY	GG25 (JL1040)
2	STEM	AISI 304
3	PACKING	GRAPHITE
4	GLAND	GGG40.3 (JS1049)
5	INDICATOR	RG 5

6	BOLT	8.8 STEEL
7	LUBRICATOR	STEEL
8	NUT & WASHER	8.8 STEEL
9	PIN	AISI 304
10	RING	AISI 304
11	BUSHING	MS 58

DIMENSION	ØD	Øk	Ødxn	Ød1	ØDd2	h	h1	ØR	H	KG
SMALL ROD HEAD REMOTE CONTROL	190	150	018x4	25	11,5	20	40	200	500	13,5
MEDIUM ROD HEAD REMOTE LARGE CONTROL	190	150	018x4	25	11,5	20	40	200	600	16,5
ROD HEAD REMOTE CONTROL	240	200	018x8	35	11,5	40	100	250	790	32



KHRC



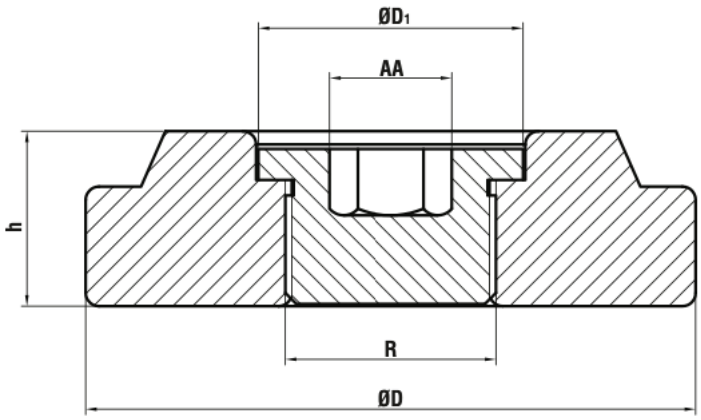
NO	PART NAME	MATERIAL
1	STEM	AISI 304
2	STEM BEARING	CuZn39Pb3
3	BOLT & NUT	8.8 STEEL
4	BEARING	CuZn39Pb3

5	PACKING	GRAPHITE
6	PACKING PRESS RING	CuZn39Pb3
7	PACKING PRESS SCREW	CuZn39Pb3
8	HAND WHEEL	GG25
9	WASHER & NUT	8.8 STEEL

DIMENSION	ØD	ØD1	ØR	H	KG
ROD HEAD REMOTE CONTROL	20	39	160	325	2,9



KDP

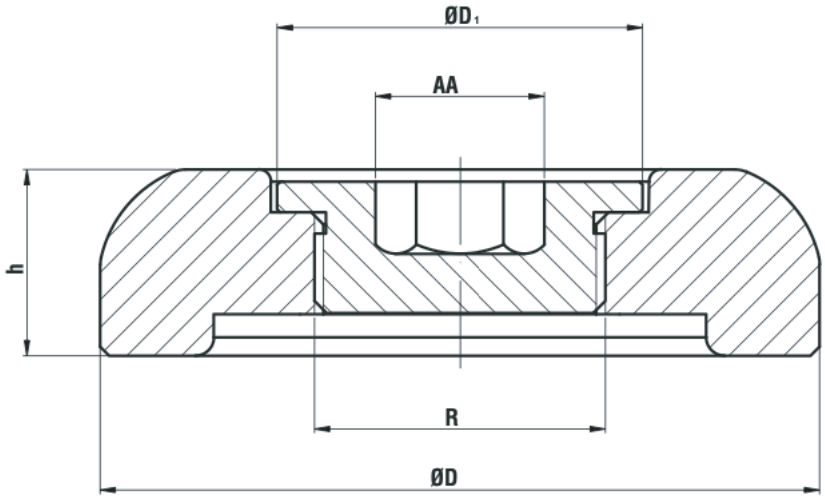


NO	PART NAME	MATERIAL
1	BODY	SAE 1040
2	PLUG	AISI 316

ØD	ØD1	h	AA	R	KG
100	60	40	25	R 1 1/2"	2,1
140	60	40	25	R 1 1/2"	3,65
160	60	40	25	R 1 1/2"	5,35
180	70	40	25	R 2 2"	6,1
200	70	40	25	R 2"	8



KSSP

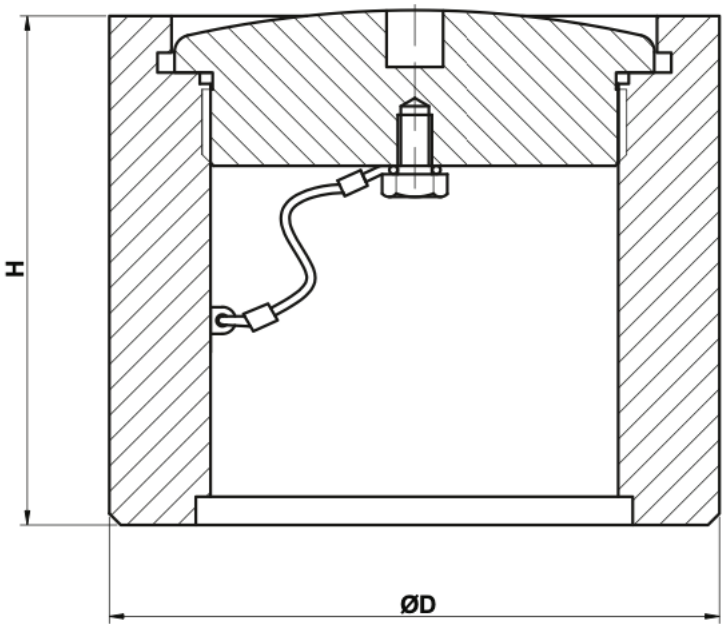


NO	PART NAME	MATERIAL
1	BODY	SAE 1040
2	PLUG	AISI 316

OD	OD1	h	AA	R	KG
120	60	30	25	R11 1/2"	2
120	70	30	25	R 2"	2



KBP



NO	PART NAME	MATERIAL
1	PIPE	ÇELiK BORU 1/ST42
2	PLUG	MS58
3	CHAIN	AISI 304
4	BOLT	AISI 304

SIZE	OD	H	KG
1/4"	70	90	2
1/2"	76	90	2,4
2"	89	90	3
2 1/2"	108	90	4,3
3"	127	90	6,4
4"	152	90	8

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