



Jiangsu Shoulong Valve CO.,Ltd.

Main Products:

Pneumatic/Electric/Manual Ball Valve

Pneumatic/Electric Butterfly Valve

Check Valve/Globe Valve/Gate Valve



Company Culture



Application



Brief Introduction



SLV--Jiangsu Shoulong Valve Co., Ltd. is a comprehensive enterprise engaged in research&development, production, sales and import&export of automatic control valves.

Our company has a complete set of production and testing equipment, perfect organization and quality system and a number of high-quality professional technicians and also has passed ISO9001-2000, TRD100, CE, API6D, API607, DNV, CNS and other certification successively.

At present, our business has been involved in electric power, metallurgy, minerals, automobile manufacturing, paper making, natural gas, environmental protection, petrochemical, food machinery, HVAC and many other fields.

Our main products are pneumatic actuators, electric actuators, pneumatic valves, electric valves, and a variety of ball valves, butterfly valves and automatic valve components.

Welcome to visit SLV--Jiangsu Shoulong Valve Co., Ltd. Let's work together to create a brilliant future.

History



1988

Founded year: Founded in 1988 in Taiwan;

2000-2014

Expanded year: Expanded in 2000 and built more than 30 acres production bases in Nanjing and Wuxi of Jiangsu Province.

2014-2018

Rise rapidly: Establishing headquarter in Nanjing in 2014, and set up 13 offices all over China.

2019-Future

Future: Providing much better products and service.



contents

■ Ball Valve Series



Flanged 2-way ball valve-----	03-04
Pneumatic/electric flanged 2-way ball valve-----	05
Flanged 3-way ball valve-----	06
Threaded 3-way ball valve-----	07
Pneumatic/electric threaded 3-way ball valve-----	08
Threaded/socket welded/butt welded 3-piece ball valve -----	09
Pneumatic/electric threaded/socket welded/butt welded 3-piece ball valve-----	10
Sanitary quick mounted ball valve-----	11
Pneumatic/electric sanitary quick mounted ball valve -----	12
Threaded 2-piece ball valve -----	13
More Products -----	14

■ Butterfly Valve Series



Center-line butterfly valve -----	15-19
Double eccentric butterfly valve-----	20-21
Three eccentric butterfly valve-----	22
Fluorine lined butterfly valve-----	23
More Products -----	24

■ Gate/Glob/ Check Valve



Knife gate valve-----	25
Wedge gate valve-----	26
GB globe valve-----	27
ANSI globe valve-----	28
Bellows globe valve-----	29
Wafer check valve-----	30
Swing check valve-----	31
Lift check valve-----	32
Y type strainer-----	33
More Products-----	34





Standard:

Design standard: GB/T12237, ANSI B16.34, API608, DIN 3357/1.2

End Flange standard: GB/T9113, JB/T79, ASME B16.5, JIS B2212, JIS B2214, DIN2543-2545

Inspection&testing standard: GB/T13927, API598, JIS B2003, DIN 3230/3

Face to Face standard: GB/T12221, ASME B16.10, JIS B2002, DIN 3202

Top Flange standard: ISO 5211

wall thickness: GB/T12224

fire safe: API6075th 2005, ISO 10497

Flanged Ball Valve

Completely insulated with the medium

low torque, high pressure resistance, pressure beared with two sides, the fluid totally insulated with the valve body and shaft; no plug between the valve ball with the valve shaft, convenient to maintain and replace, and imbedded with special anti-stuck self-lubricating bearing inside the shaft so as to end the problem that the normal ball valve is not able to be closed.

International compatibility

An flange is mounted on the top of the valve which conform to the ISO5211 standard. The manual operation mechanism or automatic actuators can be installed with it directly. All of the valve can be mounted with Extended valve neck according to the working conditions to meet the requirement for low temperature or high temperature.

Mounting platform for upright type

because of standardization design, all of the actuators including handle, gear, pneumatic and electric ones can be connected with this series flange ball valves without additional support. Easy to be mounted on site and reducing the error and height.

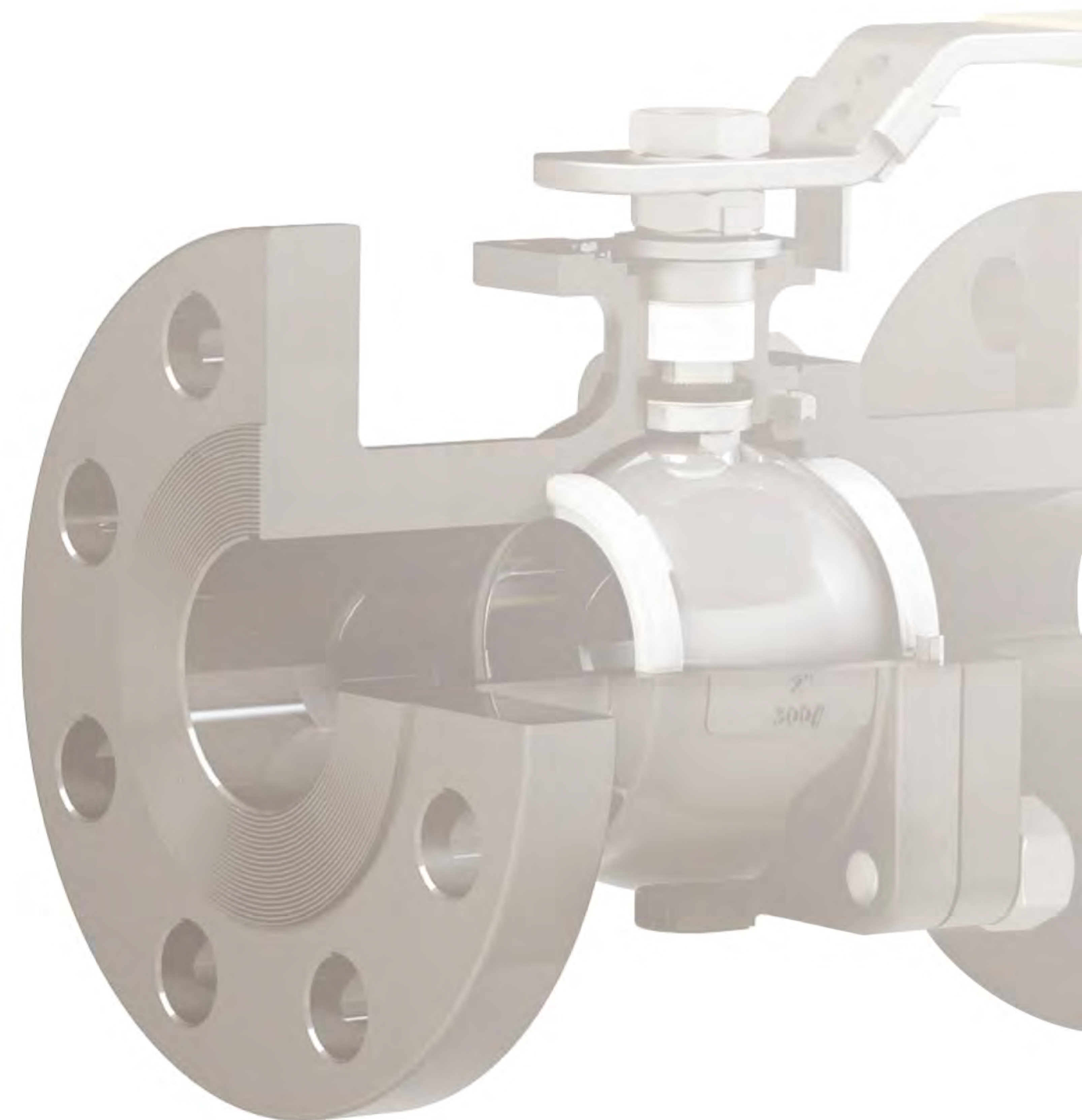
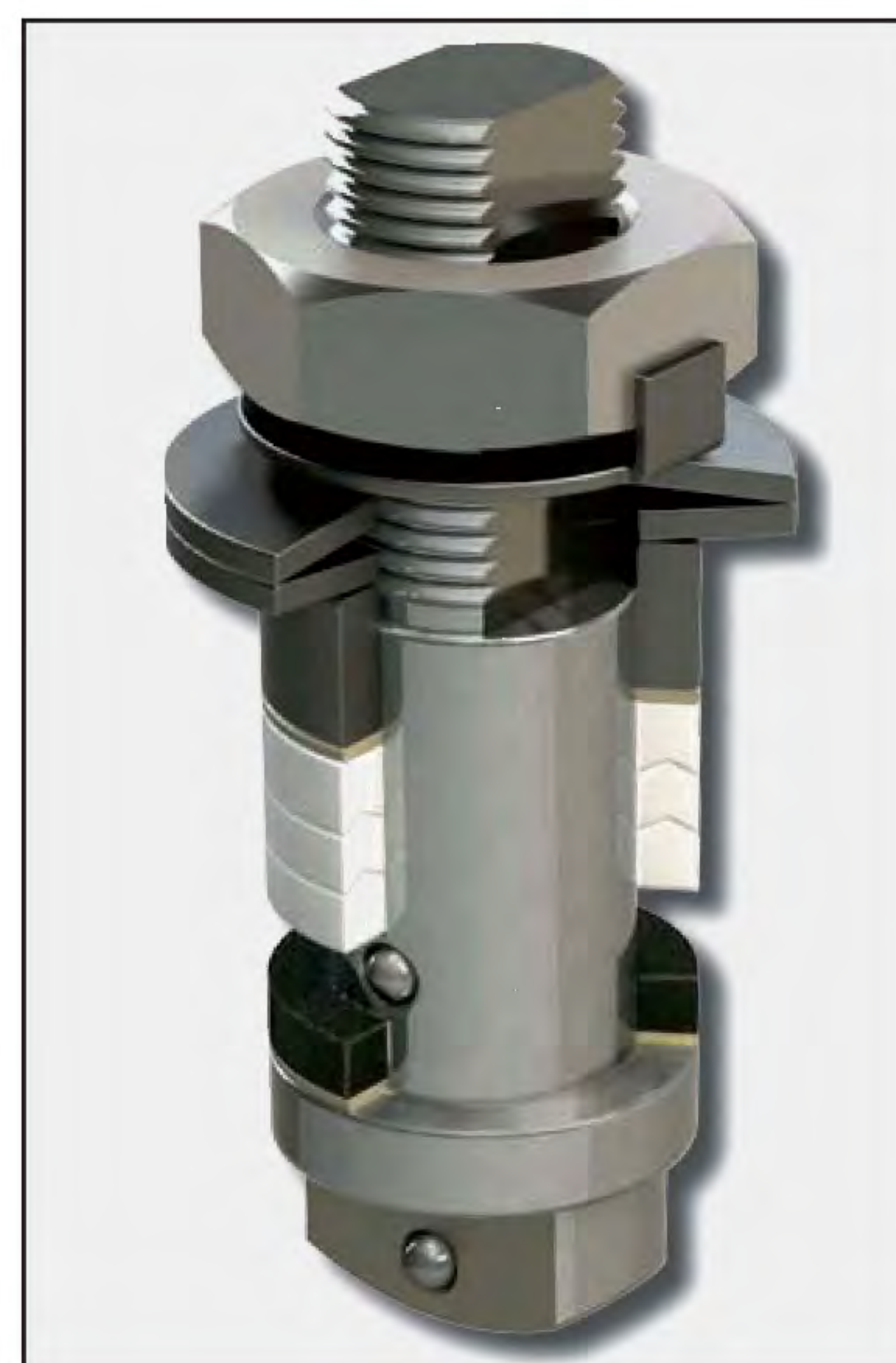
Diversified customization

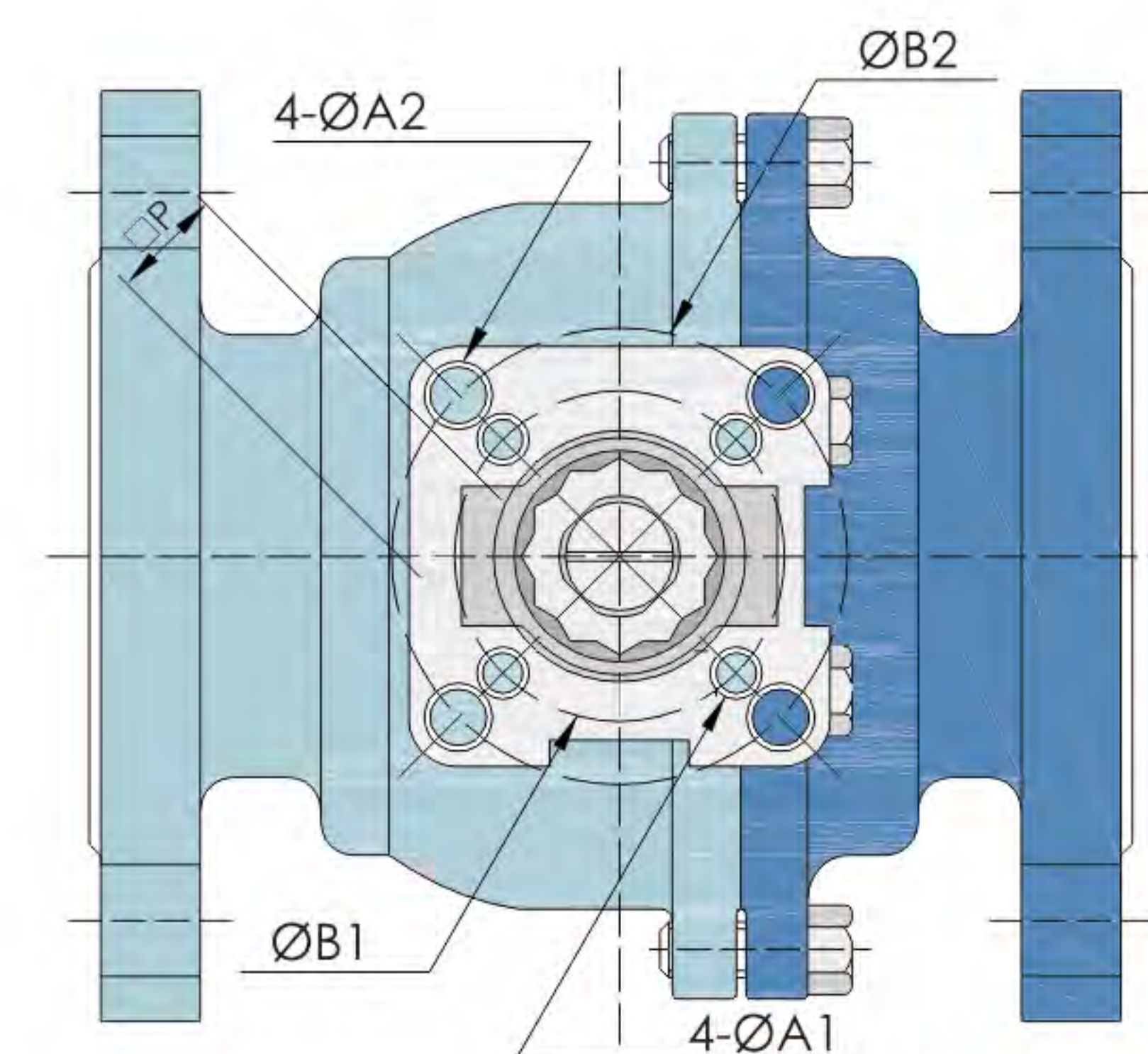
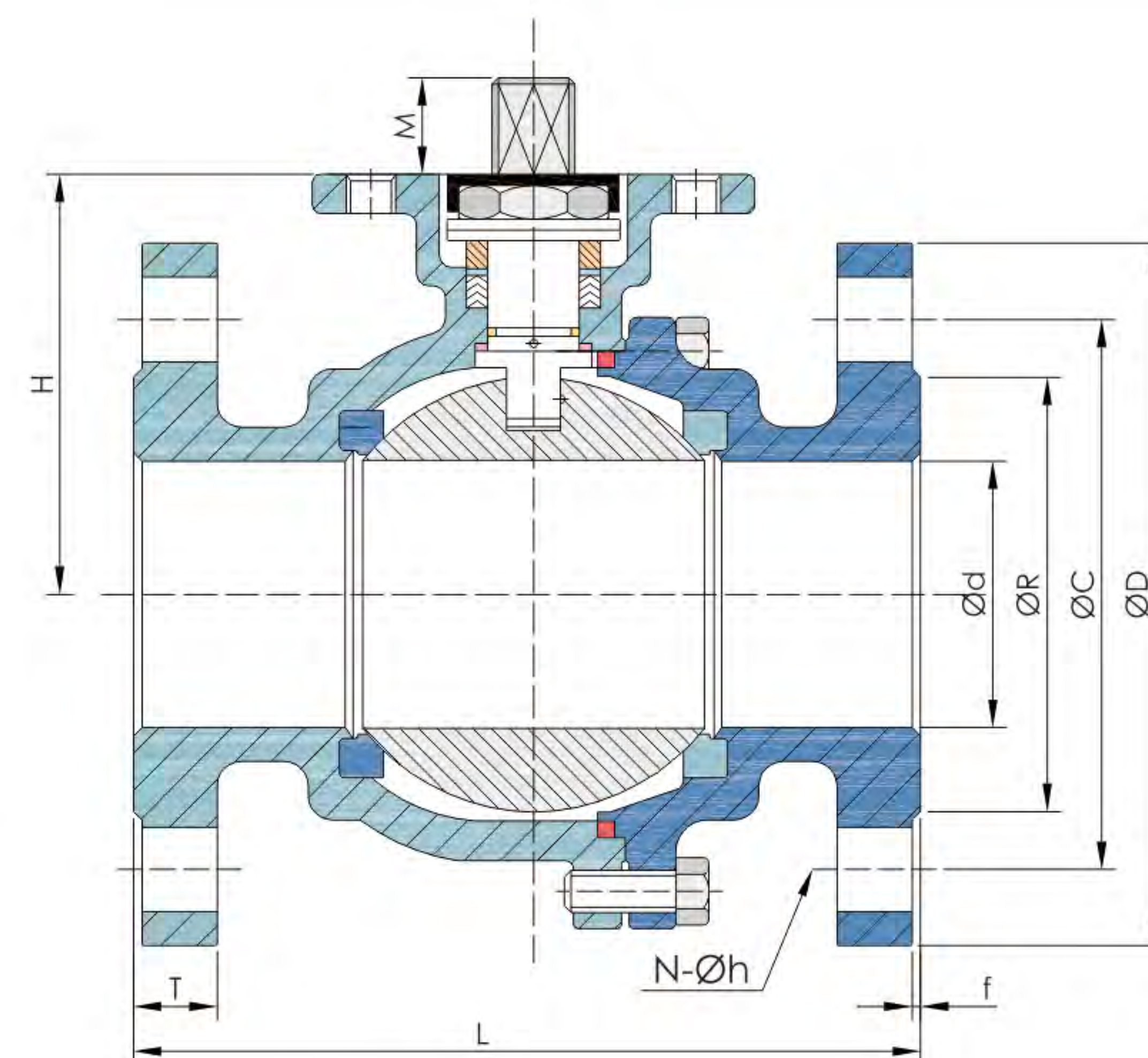
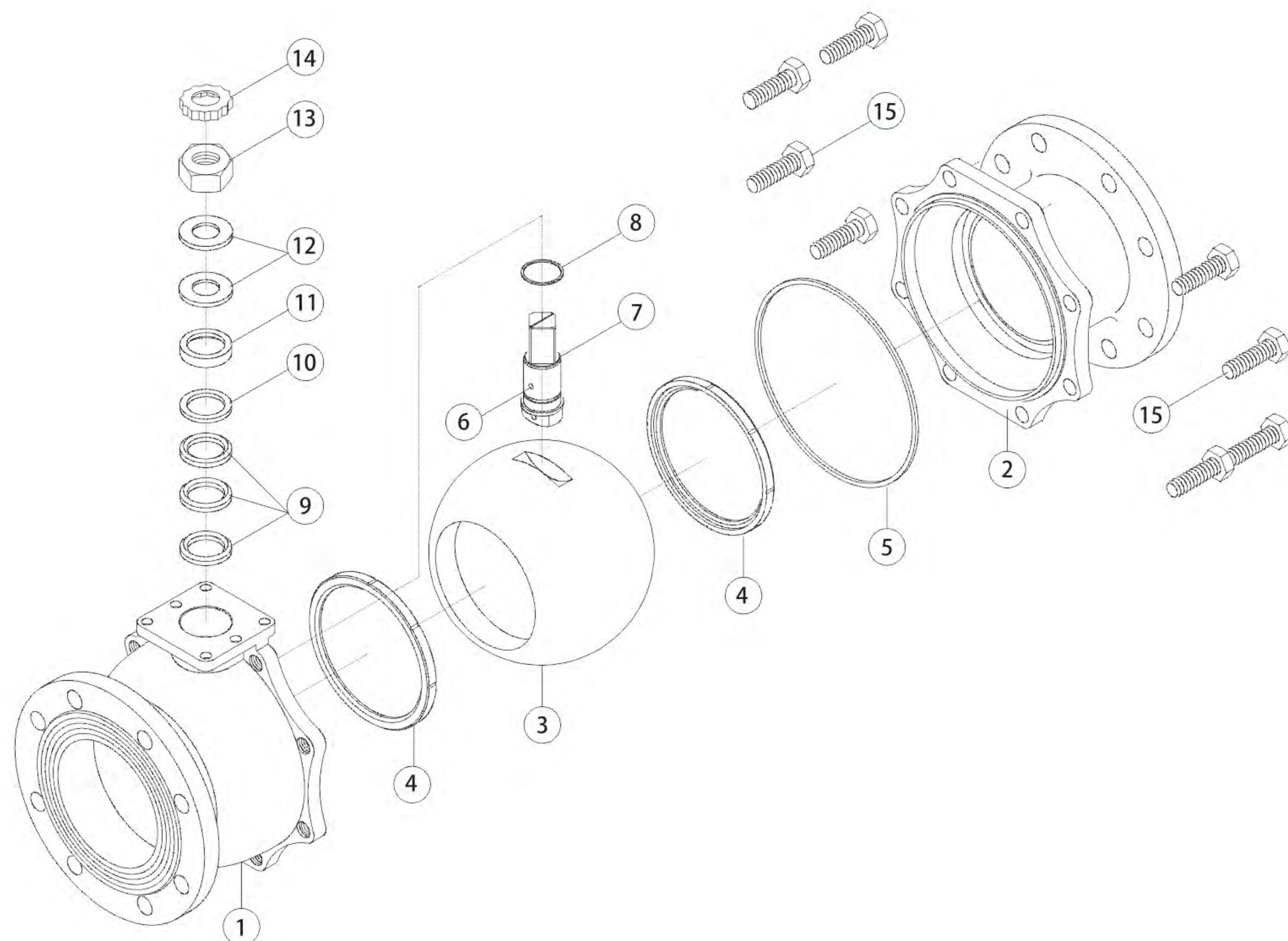
This series of ball valves can be customized according to the requirement of the customer.

The coating of the valve can be customized as per the requirement of the customer. We can provide coating materials used for any working conditions, such as anti-corrosive nylon coating, seawater proof coating and so on;

The valve ball and body can be polished to sanitary grade which is used for pharmaceuticals and food industry.

Valves can be degreased at varying degrees.





Feature:

1. fire proof structure
2. using upright platform of ISO 5211 actuator
3. anti-static device is equipped between the valve ball and valve body
4. anti-stripping design for valve stem
5. double Stem Packing design which conforms to German Tüv standard
6. double butterfly shrapnel automatic compaction packing design
7. Dewaxing Precision Casting
8. Pressure balancing hole on steel ball
9. valve chamber cleaning device on the valve body

• **Options:** 1. actuator 2. limit switch 3. limiter

NO.	Part Name	ANSI / JIS / DIN / GB	ANSI / JIS / DIN / GB	ANSI / JIS / DIN / GB
1	valve body	A351-CF8M/SCS14A/1.4408	A351-CF8/SCS13A/1.4308	A216-WCB/SCPH2/1.0619
2	valve cap	A351-CF8M/SCS14A/1.4408	A351-CF8/SCS13A/1.4308	A216-WCB/SCPH2/1.0619
3	valve ball	A351-CF8M/SCS14A/1.4408	A351-CF8/SCS13A/1.4308	A351-CF8/SCS13A/1.4308
4	valve seat	TFM1600 / PTFE / RTFE		
5	seat ring	TFM1600 / PTFE / 316 SPIRAL WOUND+GRAFOIL*		
6	anti-static device	A193-B8	A193-B8	A193-B7
7	valve stem	316	316	304
8	thrust washer	316	316	304
9	stem packing	PTFE		
10	sealing bush	50%SS+50%PTFE / 304		
11	gland	316		
12	butterfly gasket	301		
13	stem nut	A194-8		
14	positioning lock cap	304		
15	bolt	A193-B8	A193-B8	A193-B7

PN16~PN40 Product dimensions

Unit:mm

PRODUCT SIZE	ISO	□ P	M	ØB1	ØB2	ØA1	ØA2	L	Ød	ØR	ØC	ØC (25/40)	ØD	ØD (25/40)	T	T (25/40)	f	N-Øh	N-Øh (25/40)	H	
DN15	1/2"	F03-04	9	9	36	42	6	6	130	15	45	65	65	95	95	16	16	2	4-14	4-14	48
DN20	3/4"	F03-04	9	9	36	42	6	6	130	20	58	75	75	105	105	18	18	2	4-14	4-14	53
DN25	1"	F04-05	11	11	42	50	6	7	140	25	68	85	85	115	115	18	18	2	4-14	4-14	58.5
DN32	1 1/4"	F04-05	11	11	42	50	6	7	165	32	78	100	100	140	140	18	18	2	4-18	4-18	71
DN40	1 1/2"	F05-07	14	14	50	70	7	9	165	38	88	110	110	150	150	18	18	3	4-18	4-18	76
DN50	2"	F05-07	14	14	50	70	7	9	203	50	102	125	125	165	165	20	20	3	4-18	4-18	85
DN65	2 1/2"	F07-10	17	17	70	102	9	11	222	65	122	145	145	185	185	18	22	3	8-18	8-18	101.5
DN80	3"	F07-10	17	17	70	102	9	11	241	76	138	160	160	200	200	20	24	3	8-18	8-18	111.5
DN100	4"	F10	22	22	N/A	102	N/A	11	305	100	158	180	190	220	235	20	24	3	8-18	8-22	140
DN125	5"	F12	27	27	125	N/A	14	N/A	356	125	188	210	220	250	270	22	26	3	8-18	8-26	183
DN150	6"	F12	27	27	125	N/A	14	N/A	394	150	212	240	250	285	300	22	28	3	8-22	8-26	204
DN200	8"	F12/14	27	27	125	140	14	18	457	200	268	295	310 320	340	360 375	24	30 34	3	12-22	12-26 12-30	252.5

Basic parameters for pneumatic flanged ball valve:

pneumatic actuator: double acting type DA32-DA350, spring return type SR32-SR350

rotation angle: standard type 0°-90°, adjustable two ends limit type 0°-90°-120°-180°, optional three-stage type 0°-90°-180°

design standard: the actuator conforms to EU EN15714-3 standard; the connecting dimensions conform to ISO 5211-DIN3337 standard; the air interface conform to NAMUR standard.

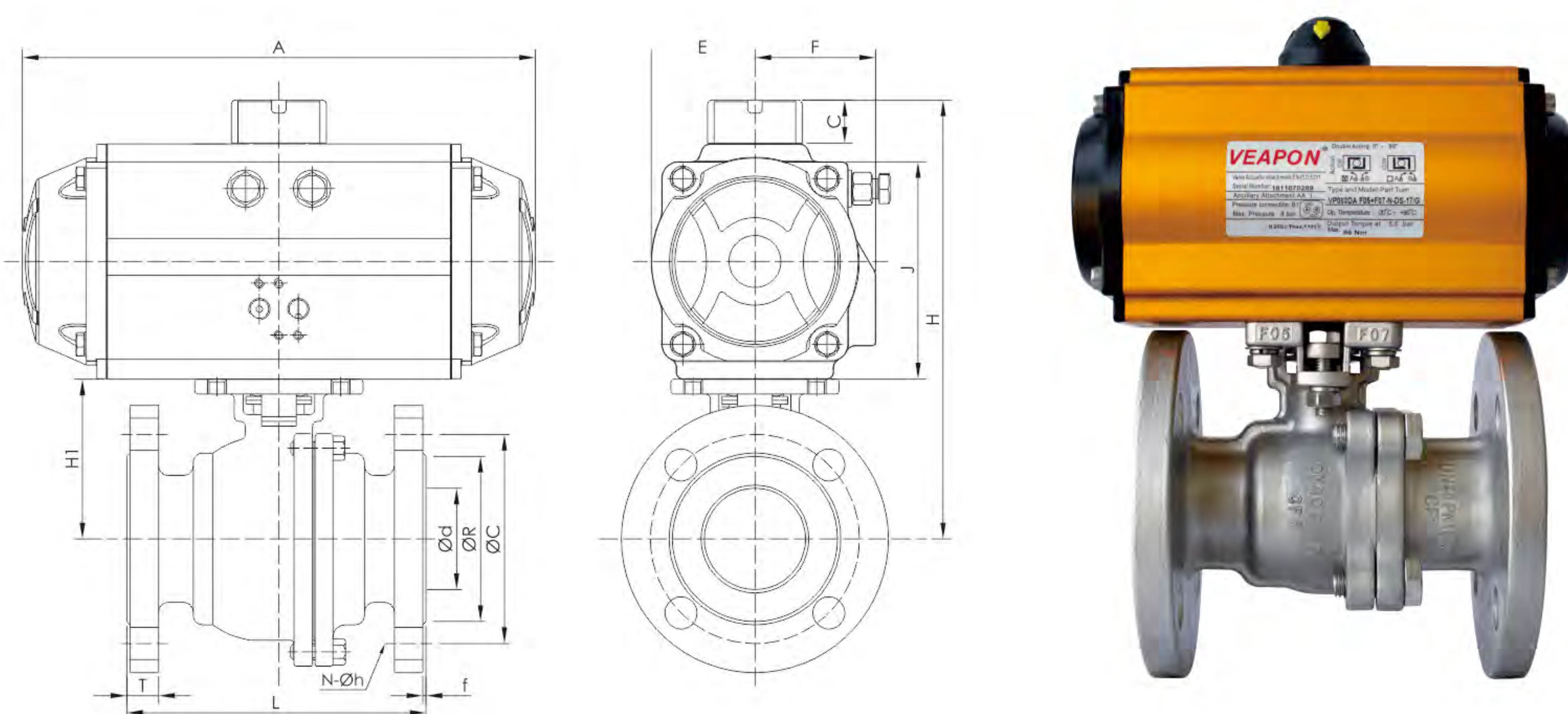
optional accessories: limit switch, solenoid valve, locator, Hand operator, air filter.

nominal diameter: DN15-DN500 (1/2"-20")

nominal pressure: PN16, PN25, PN40

valve body and valve ball material: CF8, CF8M, CF3M, WCB, 2205

seal material: PTFE, RPTFE, PPL, NBR, VITON



PN16~PN40 Product dimensions

Unit:mm

PRODUCT SIZE	L	Ød	ØR	ØC	ØC (25/40)	ØD	ØD (25/40)	T	T (25/40)	f	N-Øh	N-Øh (25/40)	H1	H	A	E	F	C	J
DN15	1/2"	130	15	45	65	95	95	16	16	2	4-14	4-14	48	137	140.5	29	41.5	20	69
DN20	3/4"	130	20	58	75	105	105	18	18	2	4-14	4-14	53	142	140.5	29	41.5	20	69
DN25	1"	140	25	68	85	115	115	18	18	2	4-14	4-14	58.5	147.5	140.5	29	41.5	20	69
DN32	1 1/4"	165	32	78	100	140	140	18	18	2	4-18	4-18	71	176	158.5	36	47	20	85
DN40	1 1/2"	165	38	88	110	150	150	18	18	3	4-18	4-18	76	198	210.5	42.5	52	20	102
DN50	2"	203	50	102	125	165	165	20	20	3	4-18	4-18	85	230	247.5	49.5	56.8	30	115
DN65	2 1/2"	222	65	122	145	185	185	18	22	3	8-18	8-18	101.5	258.5	268.5	56	67	30	127
DN80	3"	241	76	138	160	200	200	20	24	3	8-18	8-18	111.5	286.5	315.5	64	77	30	145
DN100	4"	305	100	158	180	220	235	20	24	3	8-18	8-22	140	347	408.5	80	91.5	30	177
DN125	5"	356	125	188	210	250	270	22	26	3	8-18	8-26	183	429	437.5	88	99	50	196
DN150	6"	394	150	212	240	285	300	22	28	3	8-22	8-26	204	474.5	487	99	105	50	220.5
DN200	8"	457	200	268	295	340	360 375	24	30 34	3	12-22	12-26 12-30	252.5	547.5	543	110	112	50	245

Basic parameters for electric flanged ball valve:

electric actuator: on-off type VP0050-VP2000, regulation type VP0050E-VP-2000E.

rotation angle: standard type (0°-90°)±5°

power supply voltage: AC220V, DC24V, AC380V, AC110V, AC440V

input signal: 4-20mA, 0-10mA, 1-5V DC, 2-10V DC

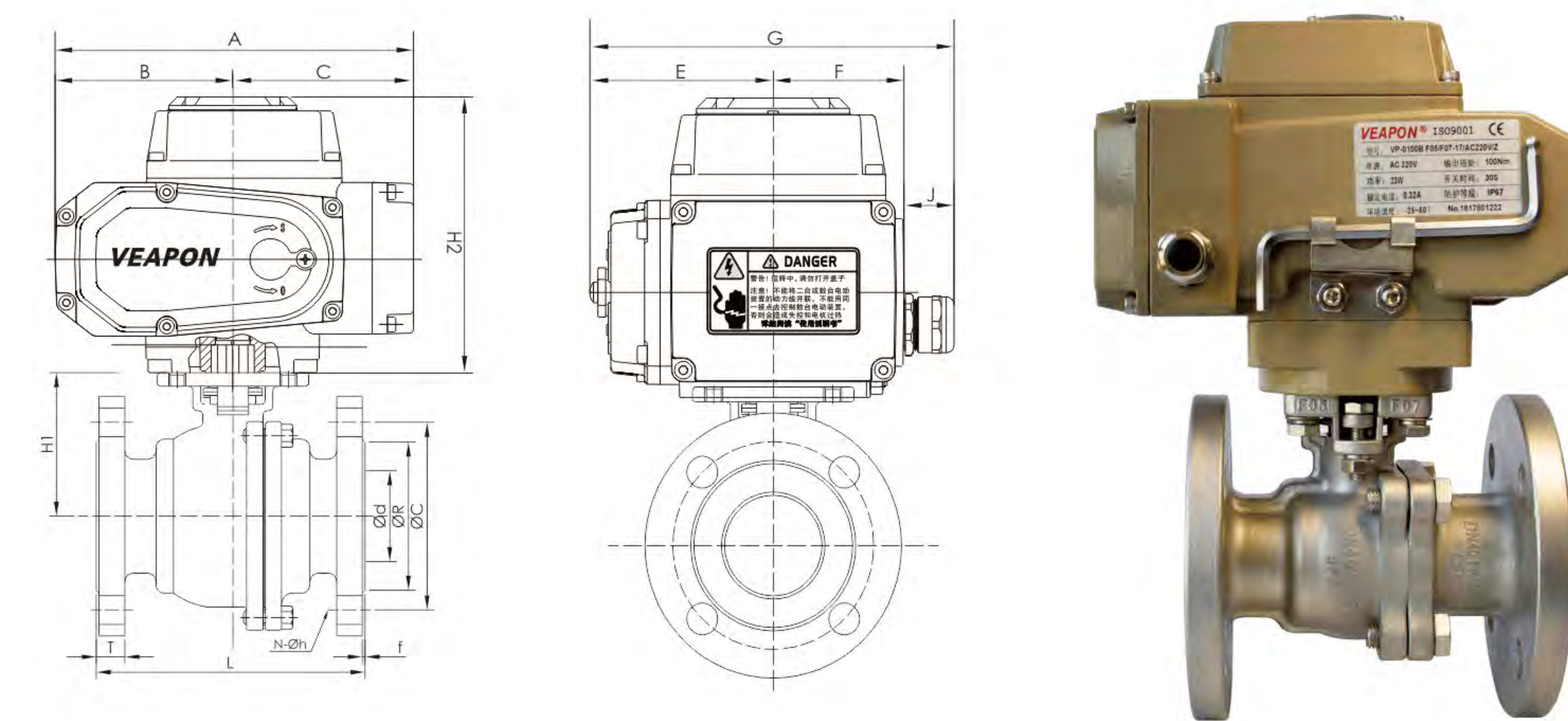
feedback signal: active contact, passive contact

nominal diameter: DN15-DN500

nominal pressure: PN16, PN25, PN40

valve body and valve ball material: CF8, CF8M, CF3M, WCB, 2205

seal material: PTFE, RPTFE, PPL, NBR, VITON

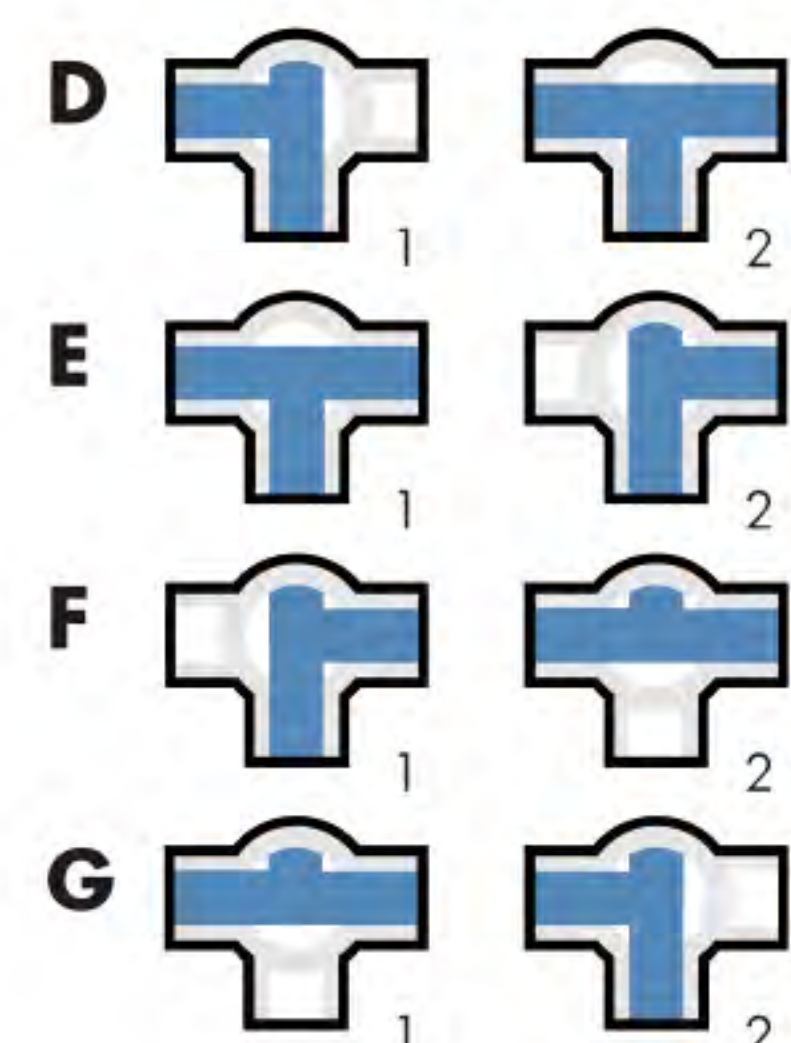


PN16~PN40 Product dimensions

Unit:mm

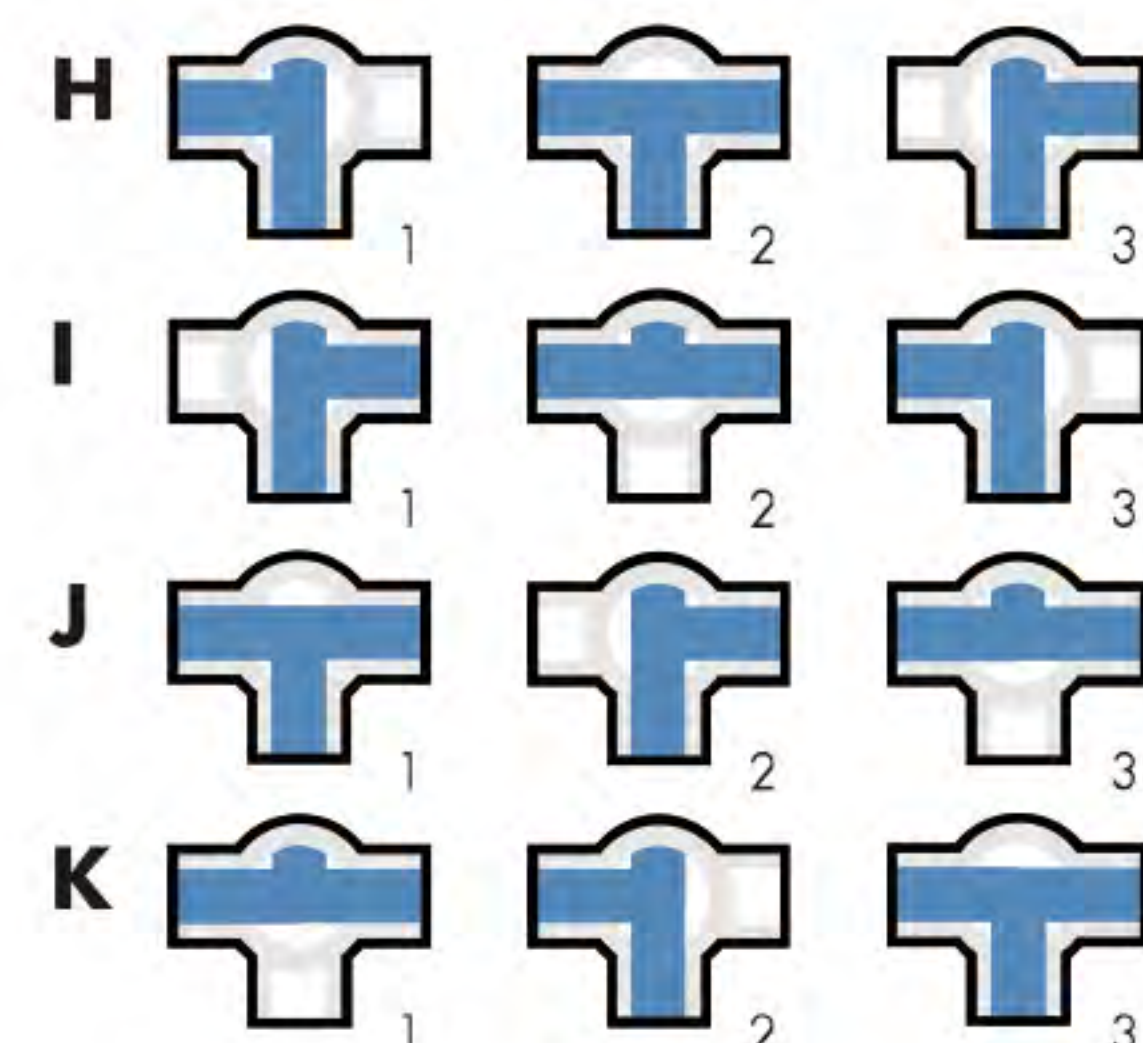
PRODUCT SIZE	L	Ød	ØR	ØC	ØC (25/40)	ØD	ØD (25/40)	T	T (25/40)	f	N-Øh	N-Øh (25/40)	H1	H2	A	B	C	E	F	G	J
DN15	1/2"	130	15	45	65	95	95	16	16	2	4-14	4-14	48	137.5	165	82	83	70	50.5	140.5	20
DN20	3/4"	130	20	58	75	105	105	18	18	2	4-14	4-14	53	137.5	165	82	83	70	50.5	140.5	20
DN25	1"	140	25	68	85	115	115	18	18	2	4-14	4-14	58.5	137.5	165	82	83	70	50.5	140.5	20
DN32	1 1/4"	165	32	78	100	140	140	18	18	2	4-18	4-18	71	137.5	165	82	83	70	50.5	140.5	20
DN40	1 1/2"	165	38	88	110	150	150	18	18	3	4-18	4-18	76	168.5	211.5	97.5	114	77	57	154	20
DN50	2"	203	50	102	125	165	165	20	20	3	4-18	4-18	85	168.5	211.5	97.5	114	77	57	154	20
DN65	2 1/2"	222	65	122	145	185	185	18	22	3	8-18	8-18	101.5	203	259	124	135	103	63	186	20
DN80	3"	241	76	138	160	200	200	20	24	3	8-18	8-18	111.5	203	259	124	135	103	63	186	20
DN100	4"	305	100	158	180	220	235	20	24	3	8-18	8-22	140	203	259	124	135	103	63	186	20
DN125	5"	356	125	188	210	250	270	22	26	3	8-18	8-26	183	203	259	124	135	103	63	186	20
DN150	6"	394	150	212	240	285	300	22	28	3	8-22	8-26	204	229.5	283.5	129.6	154	107.5	65.5	193	20
DN200	8"	457	200	268	295	340	360 375	24	30 34	3	12-22	12-26 12-30	252.5	229.5	283.5	129.6	154	107.5	65.5	193	20

T-Port 90°



All of the T type port can be realized from one standard valve body and can be reassembled on site. In order to realize 180° rotation, the stopping is required to reset.

180°



L-Port

90°



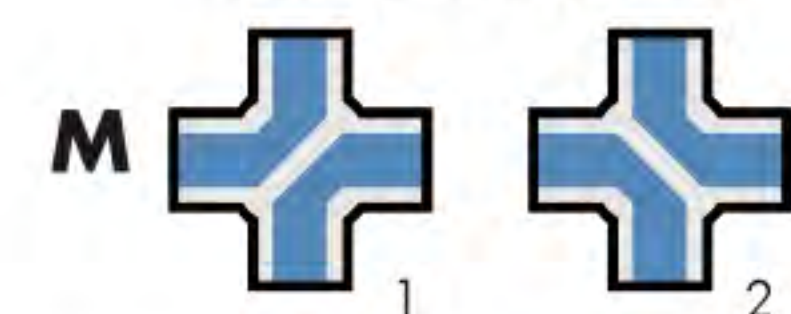
180°

Off Position



4-WAY

4-WAY LL-Port: 90°

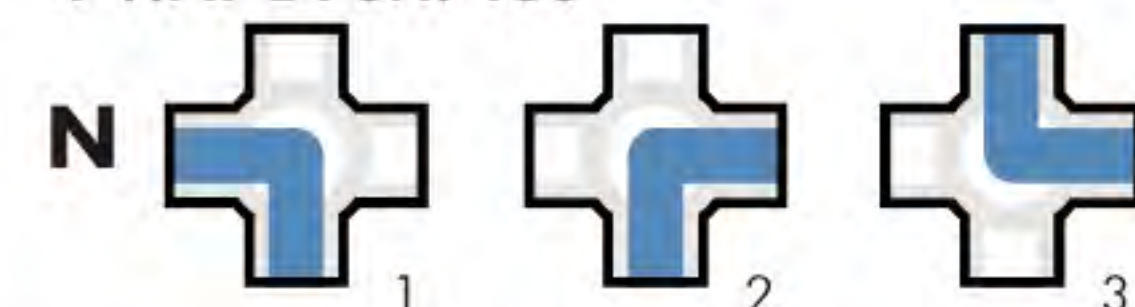


For 4-way port, the T type port and L type port can be chosen.

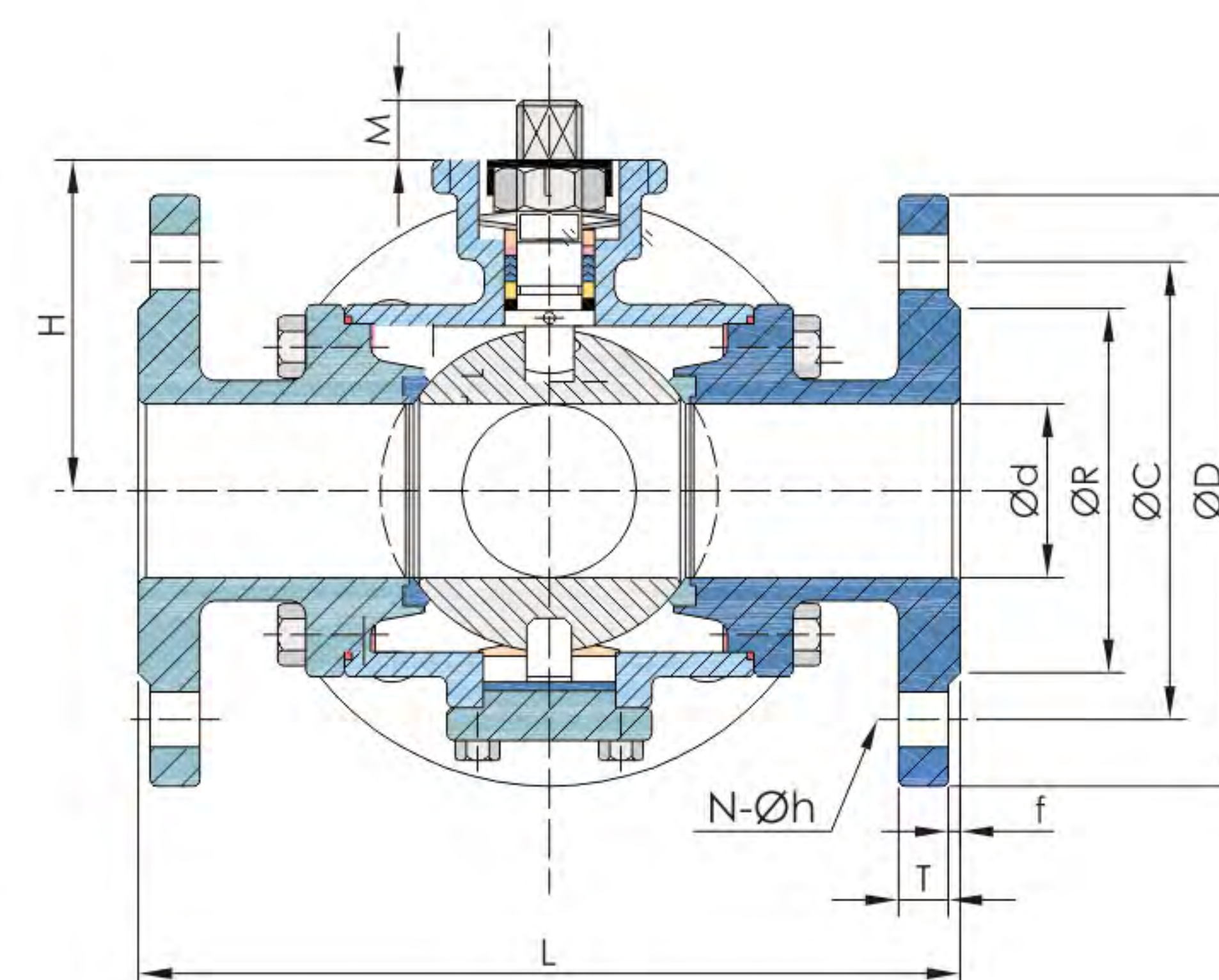
4-WAY: 90°



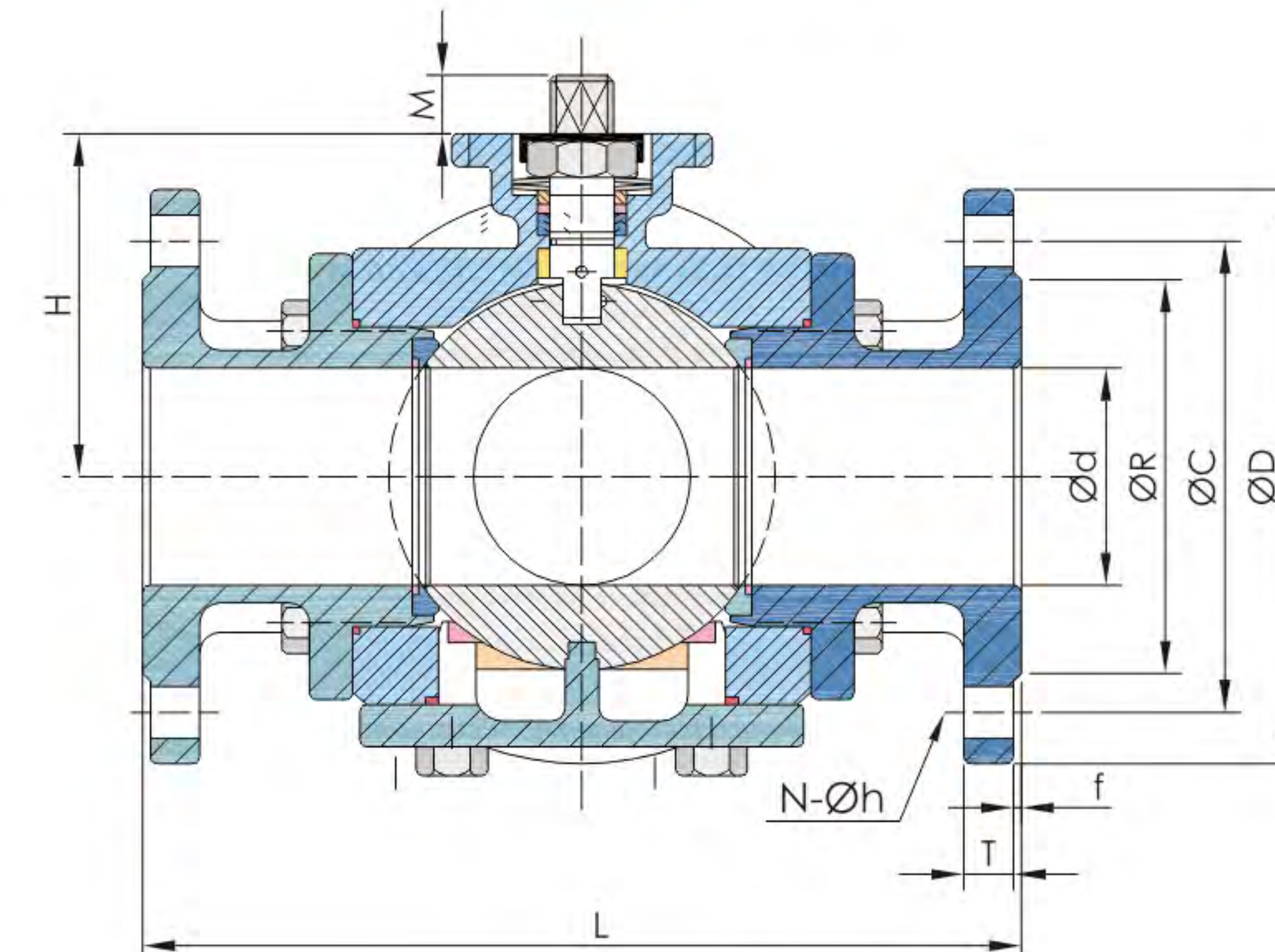
4-WAY L-Port: 180°



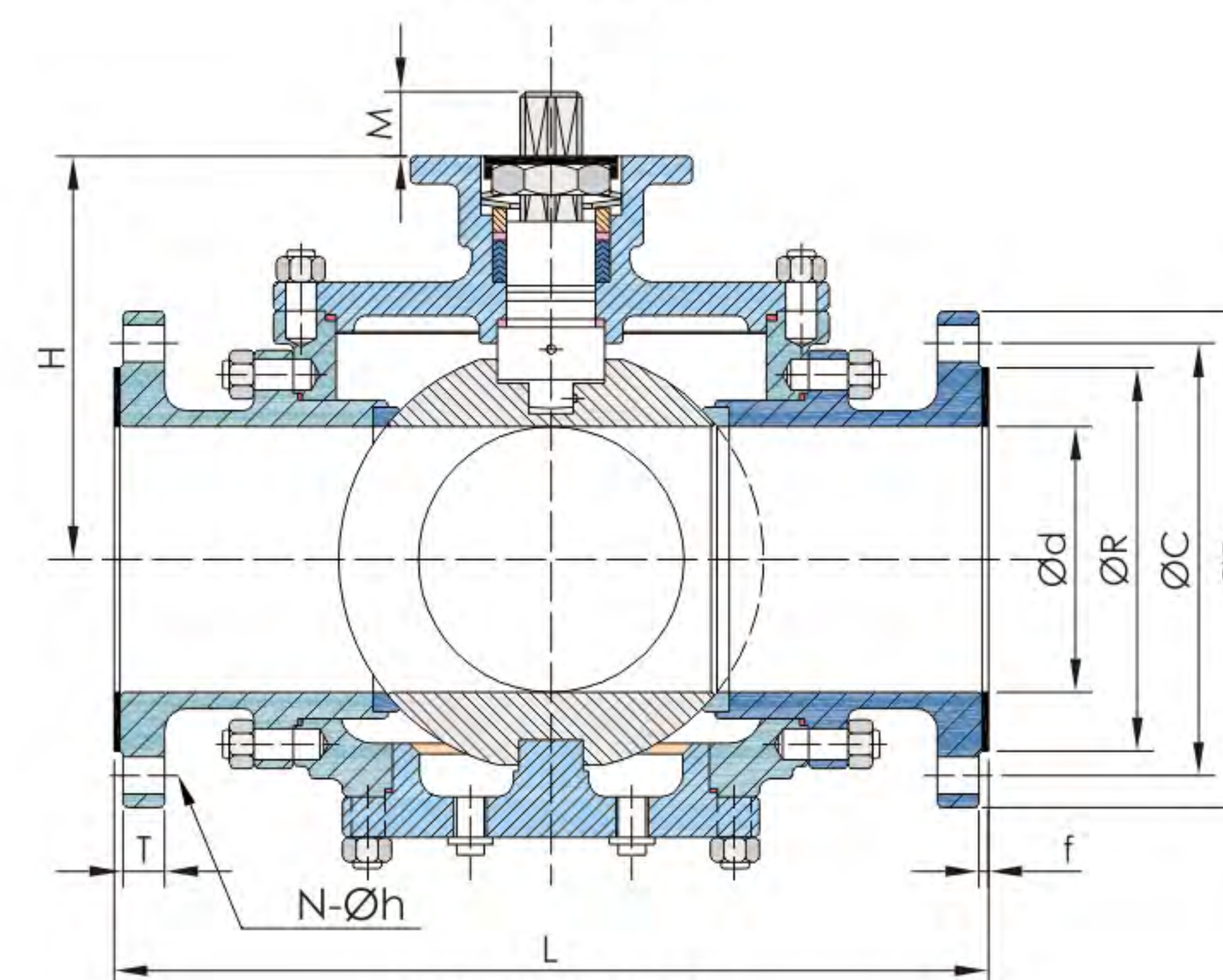
4-WAY: 270°



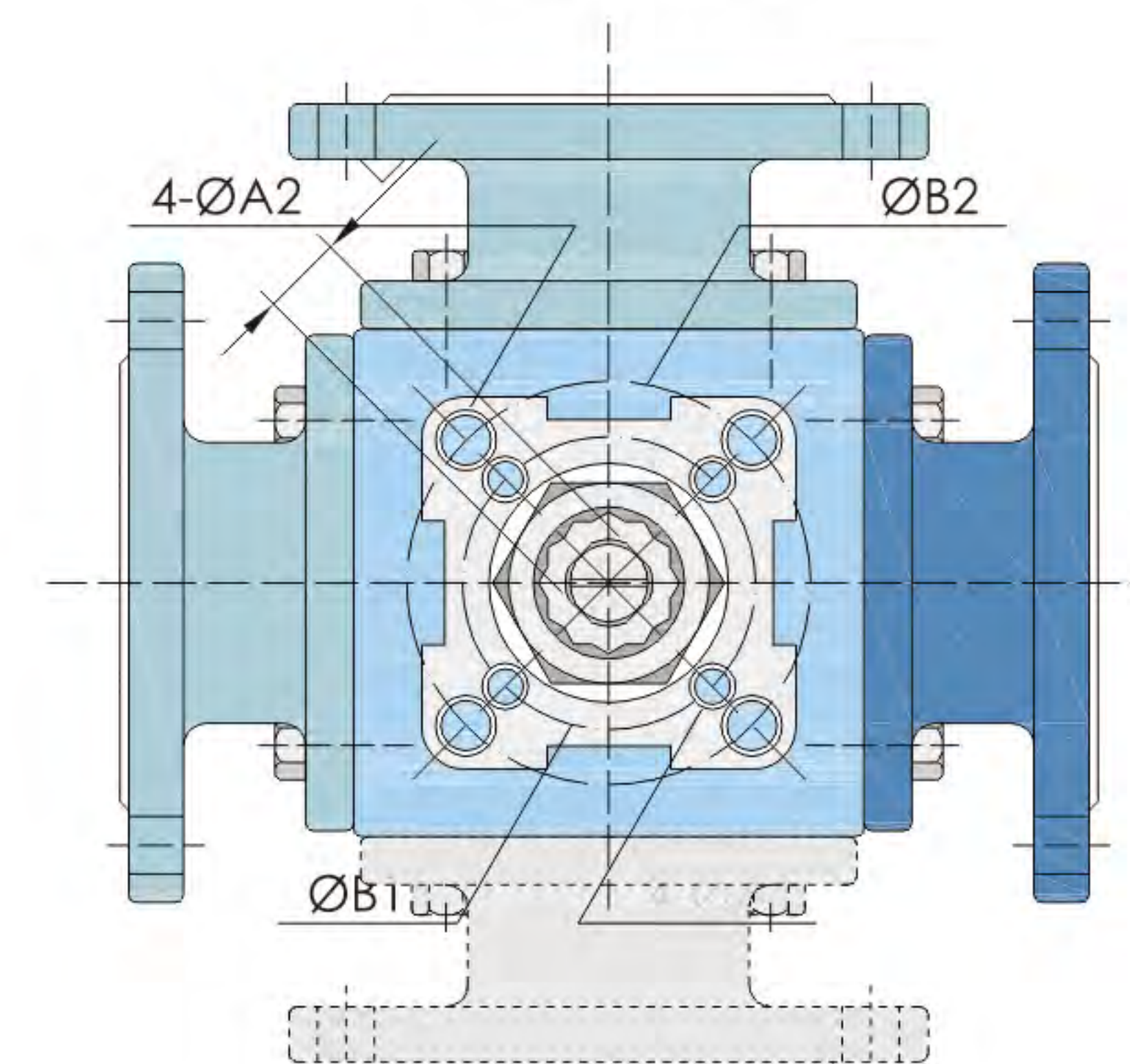
DN15~DN50



DN65~DN100



DN150~DN200



Features:

1. fire proof structure
2. using upright platform of ISO 5211 actuator
3. anti-static device is equipped between the valve ball and valve body
4. anti-stripping design for valve stem
5. double Stem Packing design which conforms to German Tuv standard
6. double butterfly shrapnel automatic compaction packing design
7. Dewaxing Precision Casting
8. Pressure balancing hole on steel ball
9. valve chamber cleaning device on the valve body

Options: 1. actuator 2. limit switch 3. limiter

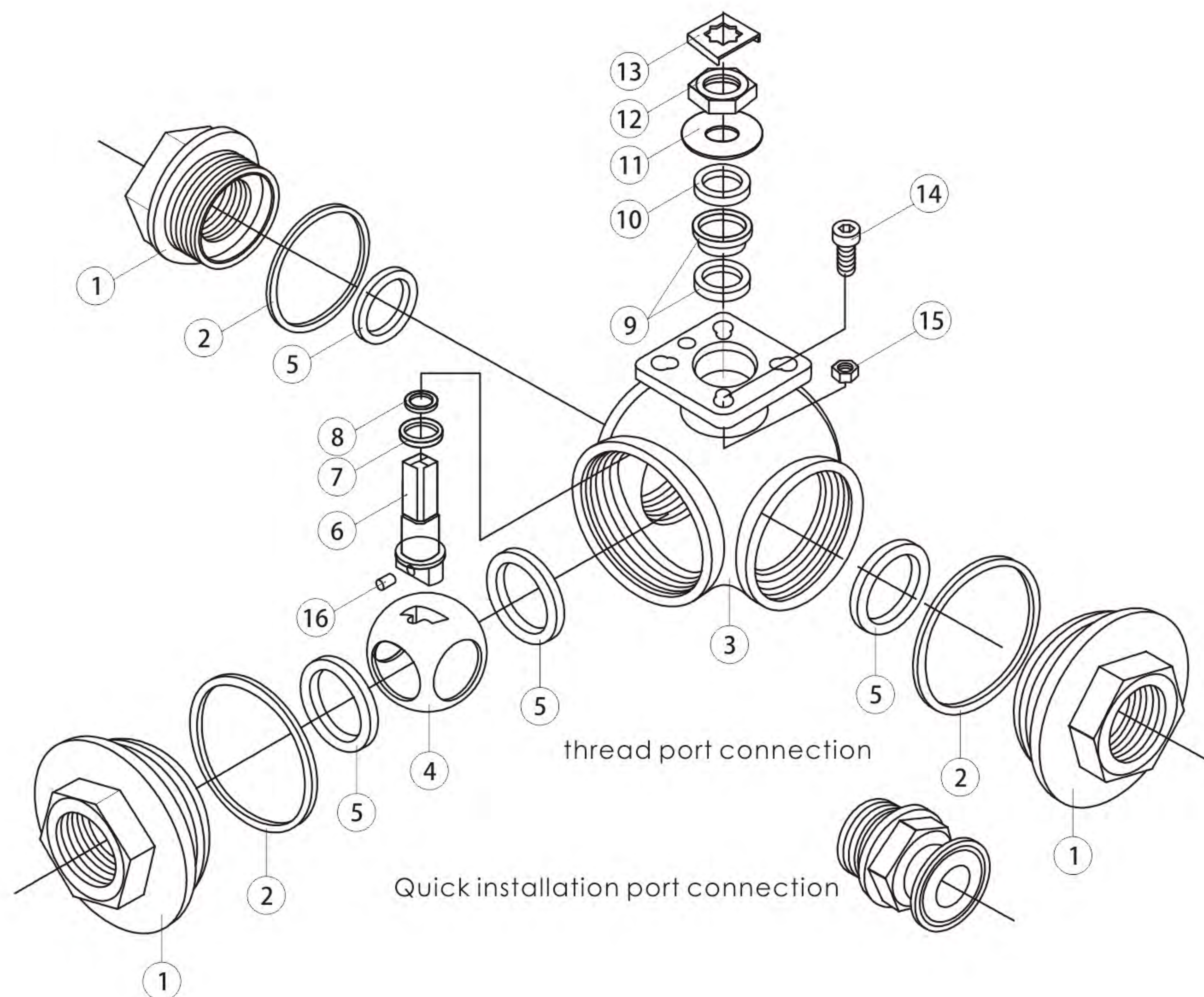
Standards:

design: DIN 3357/1.2, EN 12516-1
end flange: DIN EN1092-1 PN10-40
wall thickness: ASME B16.34

PN16~PN40 Product dimensions

Unit:mm

PRODUCT SIZE		ISO	□P	M	ØB1	ØB2	ØA1	ØA2	L (25/40)	Ød	ØR	ØR (25/40)	ØC	ØC (25/40)	ØD	ØD (25/40)	T	T (25/40)	f	N-Øh	N-Øh (25/40)	H
DN15	1/2"	F03-04	9	9	36	42	6	6	150	15	45	45	65	65	95	95	16	16	2	4-14	4-14	53
DN20	3/4"	F03-05	9	9	36	50	6	7	165	20	58	58	75	75	105	105	18	18	2	4-14	4-14	57
DN25	1"	F04-05	11	11	42	50	6	7	181	25	68	68	85	85	115	115	18	18	2	4-14	4-14	68
DN32	1 1/4"	F04-07	11	11	42	70	6	9	190	32	78	78	100	100	140	140	18	18	2	4-18	4-18	72
DN40	1 1/2"	F05-07	14	14	50	70	7	9	212	38	88	88	110	110	150	150	18	18	3	4-18	4-18	85
DN50	2"	F05-07	14	14	50	70	7	9	230	49	102	102	125	125	165	165	20	20	3	4-18	4-18	92
DN65	2 1/2"	F07-10	17	17	70	102	9	11	290	63	122	122	145	145	185	185	18	22	3	4-18	8-18	107
DN80	3"	F07-10	17	17	70	102	9	11	310 340	75	138	138	160	160	200	200	20	24	3	8-18	8-18	119
DN100	4"	F10	22	22	N/A	102	N/A	11	353 386	99	158	162	180	190	220	235	20	24	3	8-18	8-22	150
DN150	6"	F14-16	36	36	140	165	18	12	490 520	150	212	218	240	250	285	300	22	28	3	8-22	8-26	229
DN200	8"	F14/16	36	36	140	165	18	12	620 660	200	268	278 285	295	310 320	340	360 375	24	30 34	3	8-22	12-26 15-30	252



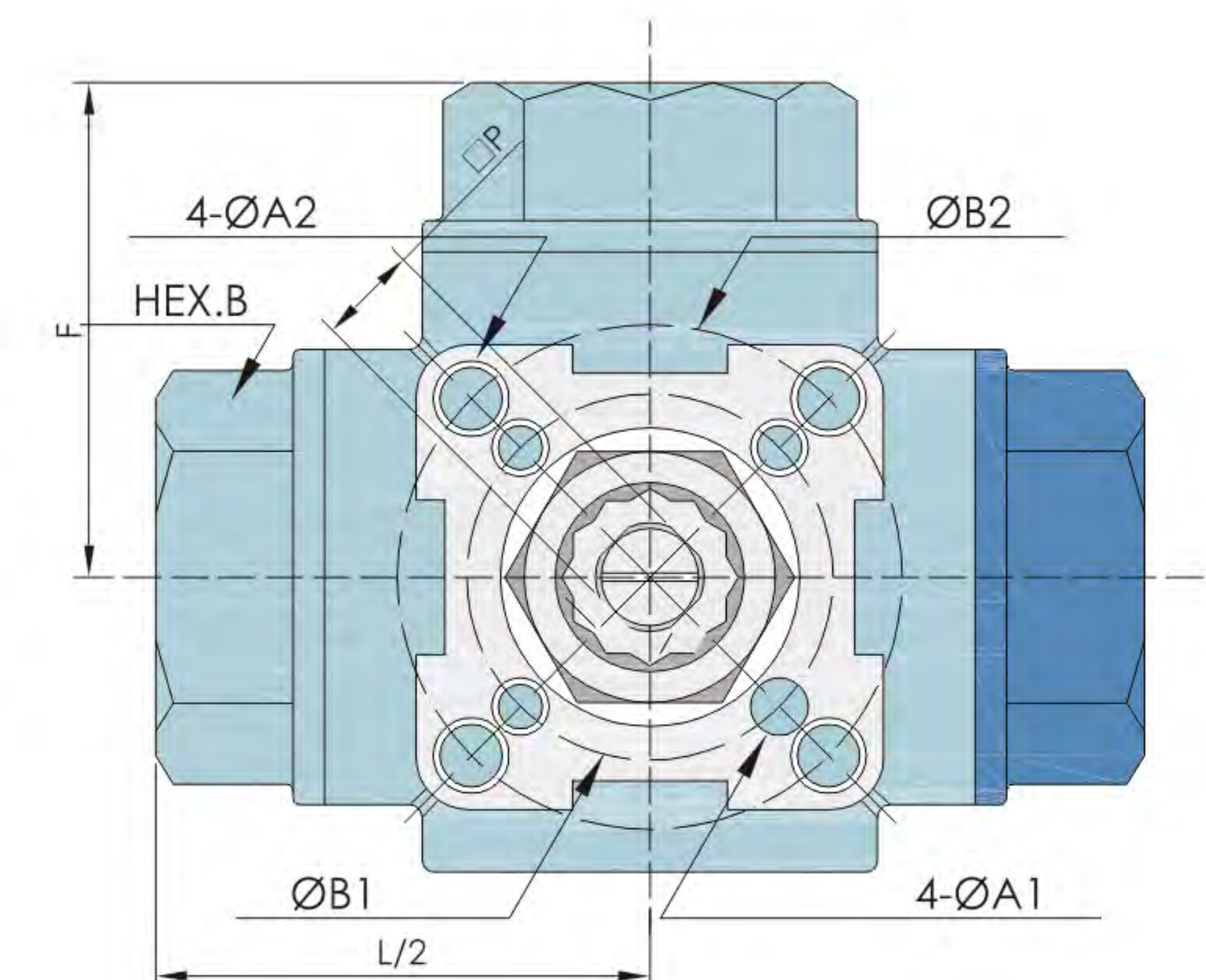
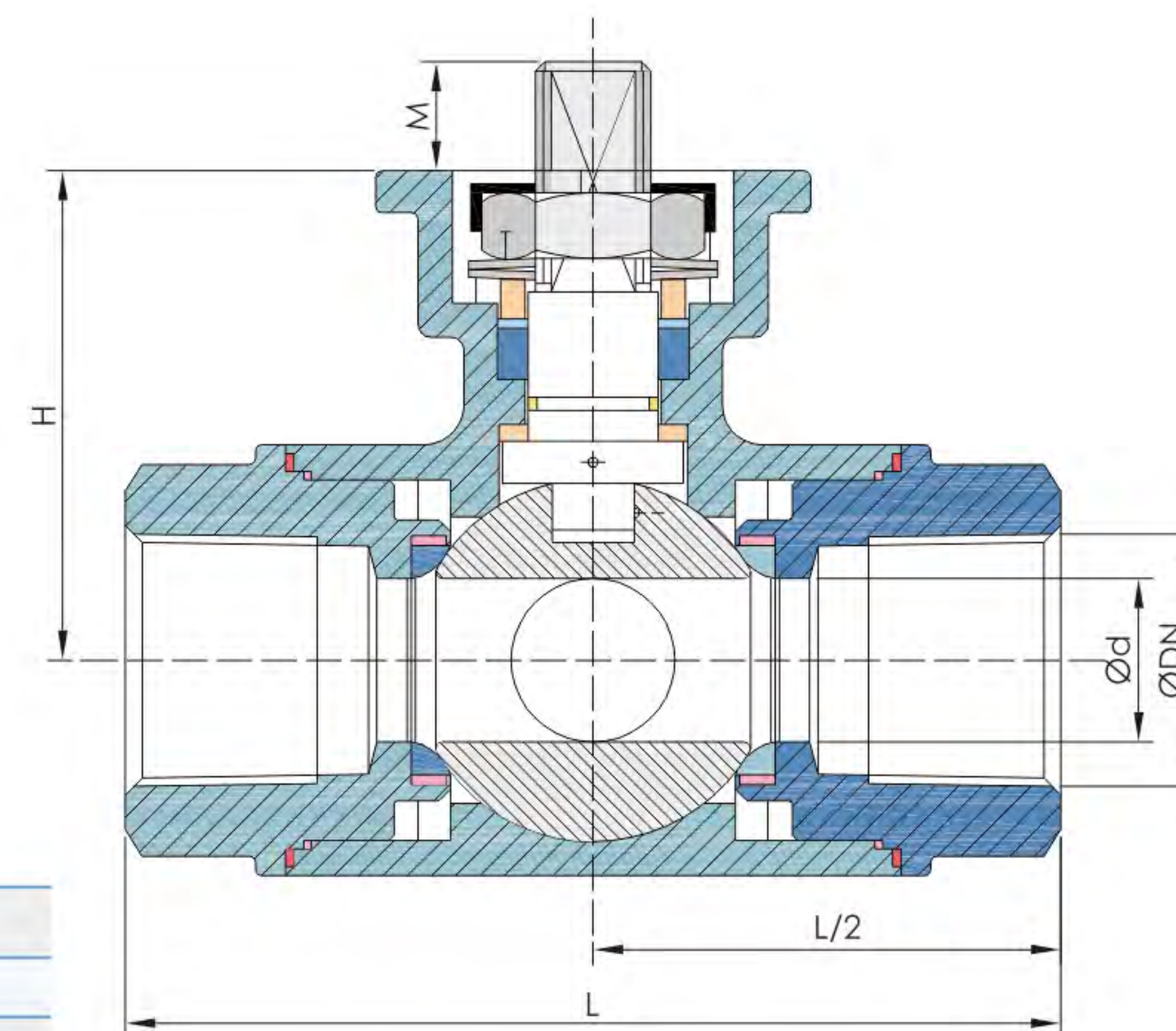
Features:

- 1、fire proof structure
- 2、using upright platform of ISO 5211 actuator
- 3、anti-static device is equipped between the valve ball and valve body
- 4、anti-stripping design for valve stem
- 5、double Stem Packing design which conforms to German Tüv standard
- 6、double butterfly shrapnel automatic compaction packing design
- 7、Dewaxing Precision Casting
- 8、Pressure balancing hole on steel ball
- 9、valve chamber cleaning device on the valve body

Options: 1、actuator 2、limit switch 3、limiter

Standard:

design:MSS SP-110
 end flange:ASME B 1.20.1
 DIN2999/259,
 ISO 7/1,ISO 288/1,
 JIS B 0203
 wall thickness:ASME B16.34
 inspection&testing:MSS SP-110



1000WOG Product dimensions

Unit:mm

PRODUCT SIZE	ISO	□P	M	ØB1	ØB2	ØA1	ØA2	L	Ød	H	F	HEX.B
DN08 1/4"	F03-04	9	9	36	42	6	6	79	11	42	39.5	27
DN10 3/8"	F03-04	9	9	36	42	6	6	79	11	42	39.5	27
DN15 1/2"	F03-04	9	9	36	42	6	6	79	11	42	39.5	27
DN20 3/4"	F03-05	9	9	36	50	6	7	88	15	49	44	34
DN25 1"	F04-05	11	11	42	50	6	7	108	20	59.5	54	41
DN32 1 1/4"	F04-07	11	11	42	70	6	9	124	25	63	62	50
DN40 1 1/2"	F05-07	14	14	50	70	7	9	135	32	73.5	67.5	56
DN50 2"	F05-07	14	14	50	70	7	9	164	40	82.8	82	70

NO.	Part Name	ANSI / JIS / DIN / GB
1	valve bonnet	CF8 / CF8M / CF3M / WCB
2	gasket	PTFE / RTFE
3	valve body	CF8 / CF8M / CF3M / WCB
4	valve ball	CF8 / CF8M / CF3M
5	valve seat	PTFE / RTFE / PPL / TFM-1600
6	valve stem	SS304 / SS316 / SS316L
7	thrust washer	PTFE / RTFE / PPL
8	O ring	PTFE / RTFE / PPL / Viton
9	valve stem seal	PTFE / RTFE / PPL
10	gland	CF8 / CF8M / CF3M / WCB
11	nut washer	SS301
12	valve stem nut	SS304
13	locking washer	SS304
14	stop pin	SS304
15	pin nut	SS304
16	plug pin	SS304

Parameters for pneumatic threaded 3-way ball valve:

Rotation angle: standard type 0°-90°, adjustable two ends limit type 0°-90°-120°-180°, optional three-stage type 0°-90°-180°

Design standard: the actuator conforms to EU EN15714-3 standard; the connecting dimensions conform to ISO 5211-DIN3337 standard; the air interface conform to NAMUR standard.

Optional accessories: limit switch, solenoid valve, locator, Hand operator, air filter.

Nominal diameter: DN08-DN50(1/4"-2")

Nominal pressure: PN16, PN25, PN40

valve body and valve ball material: CF8, CF8M, CF3M, WCB, 2205

Seal material: PTFE, RPTFE, PPL, NBR, VITON

Note:

there are T type port and L type port for the three-way ball valve

T port: can make the three orthogonal pipeline interconnected with each other and cut off the third port, playing the role of diversion and confluence.

L port: can only make the two orthogonal pipeline connected with each other and can not keep the third pipeline connected, playing only the role of diversion.

Parameters for electric threaded 3-way ball valve

Electric actuator: on-off type VP0050-VP2000, regulation type VP0050E-VP-2000E.

Rotation angle: standard type (0°-90°)±5°.

Power supply voltage: AC220V, DC24V, AC380V, AC110V, AC440V.

Input signal: 4-20mA, 0-10mA, 1-5V DC, 2-10V DC

Feedback signal: active contact, passive contact

Nominal diameter: DN08-DN50(1/4"-2")

Nominal pressure: PN16, PN25, PN40

Valve body and valve ball material: CF8, CF8M, CF3M, WCB, 2205

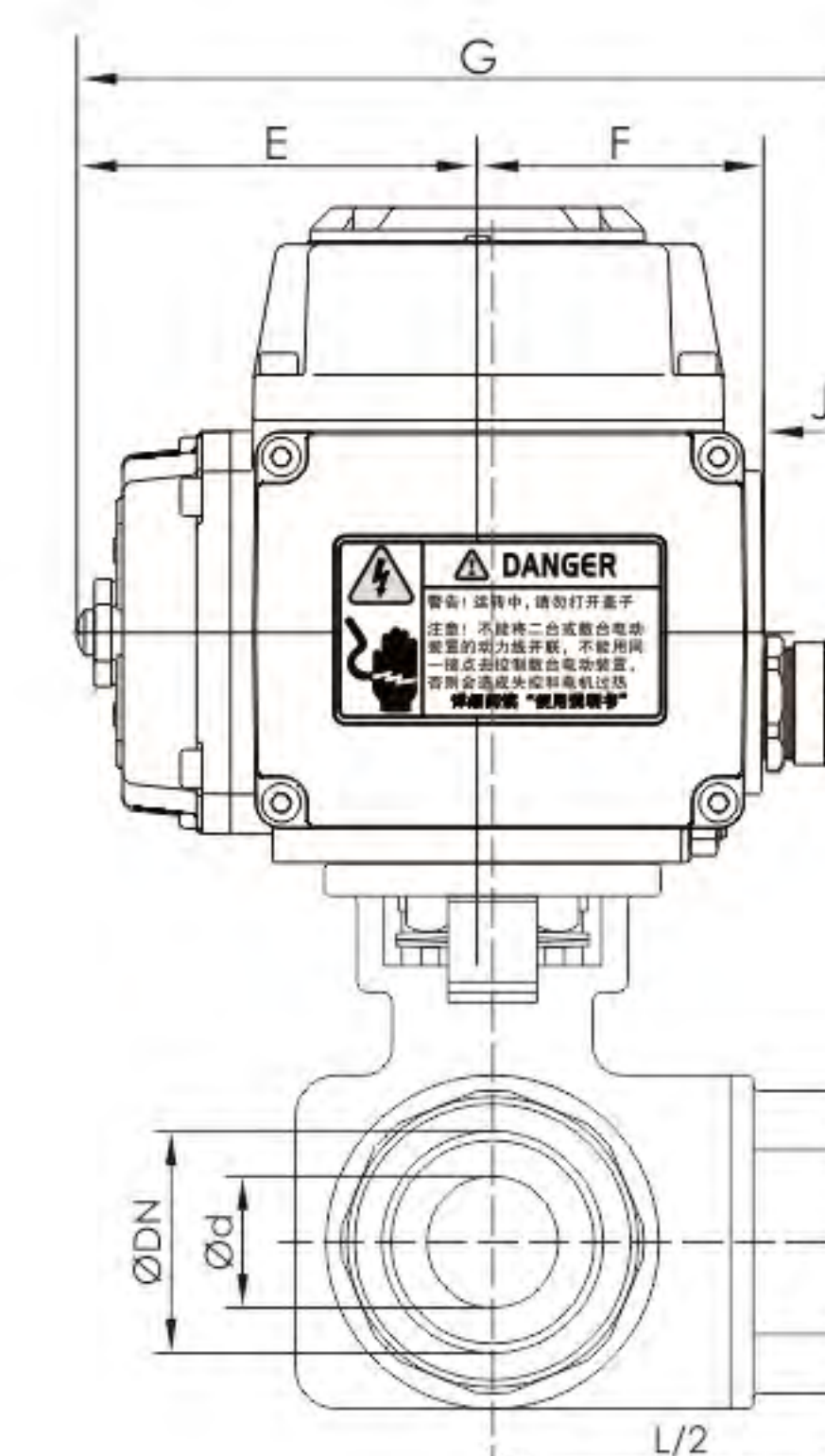
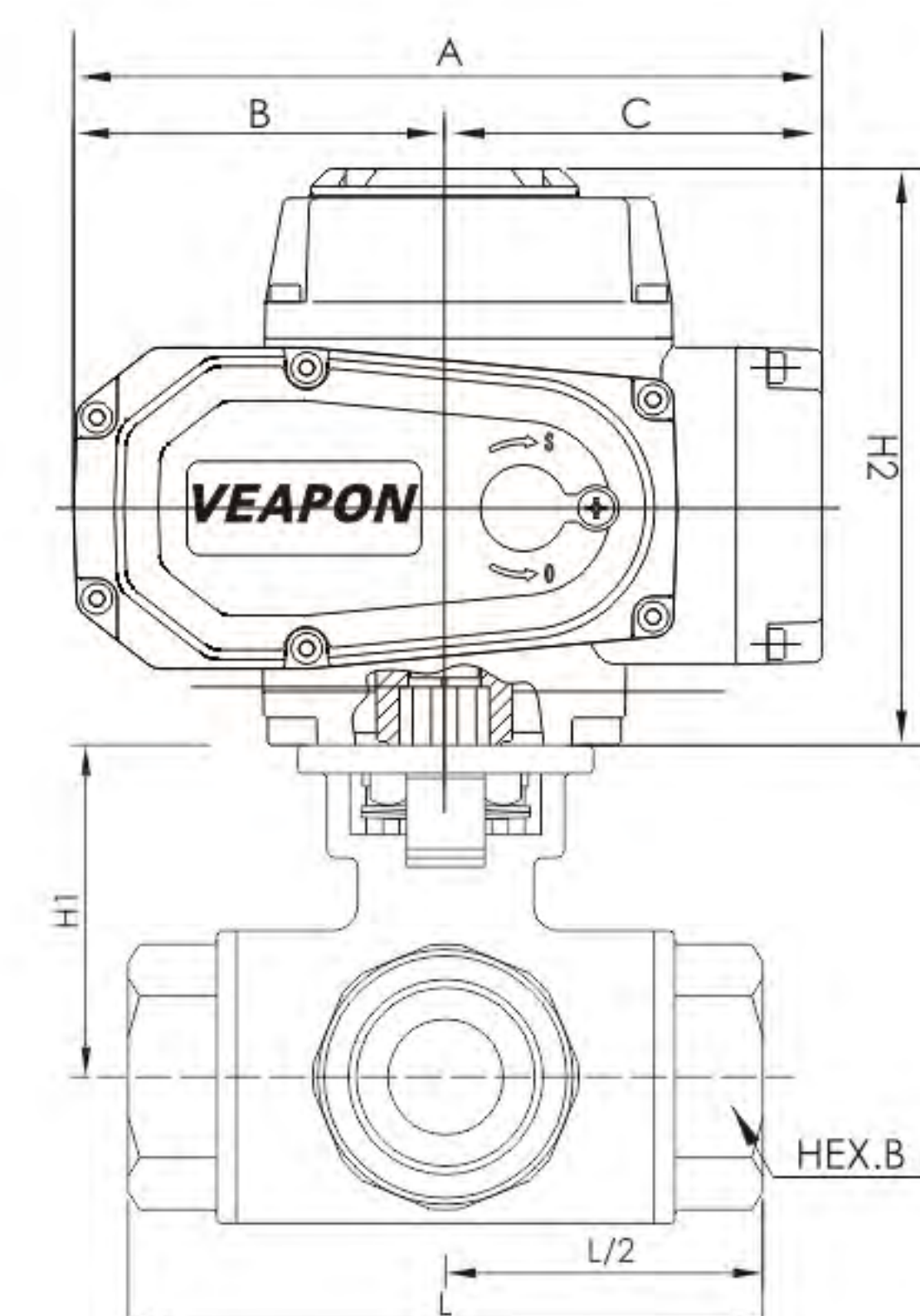
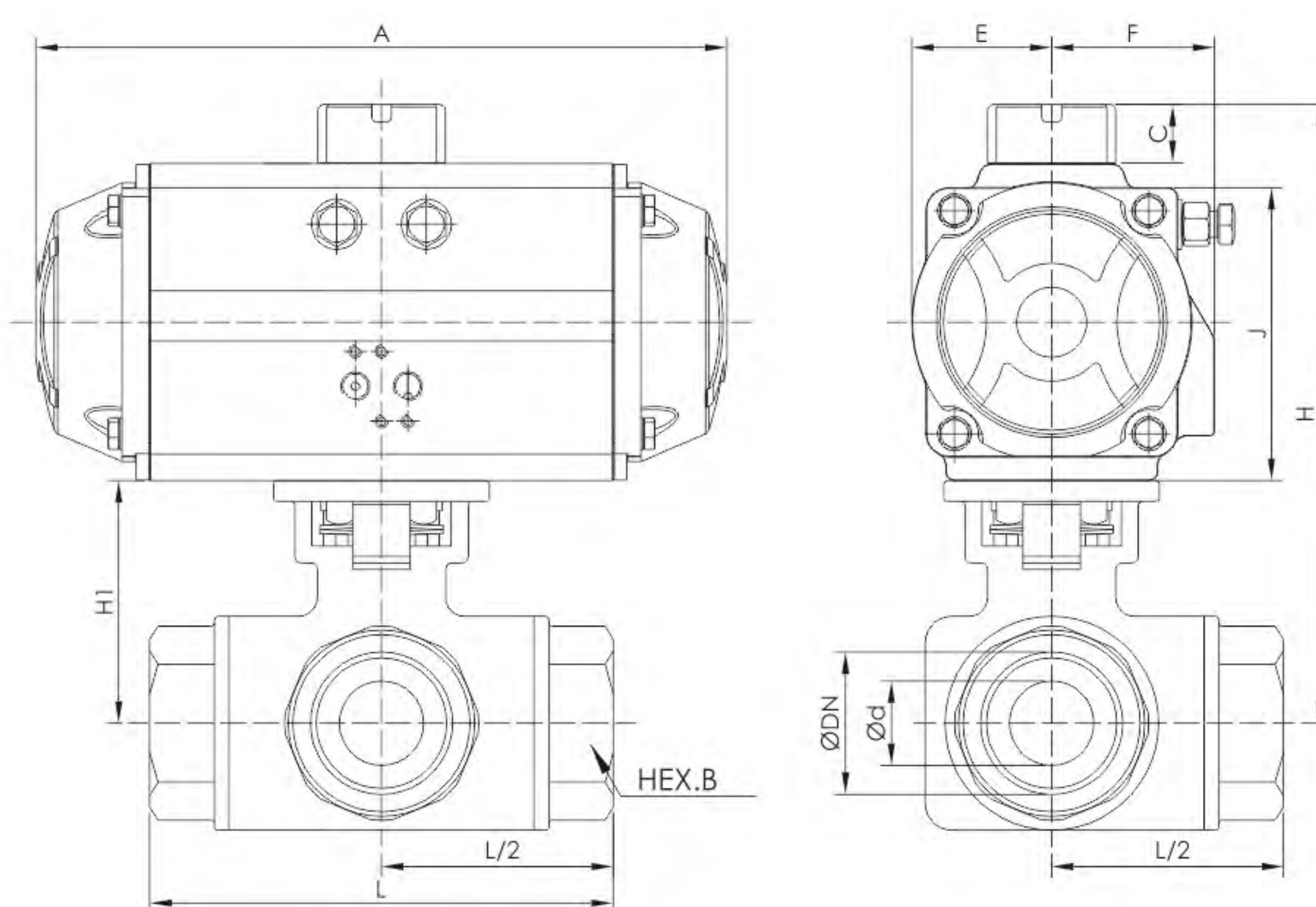
Seal material: PTFE, RPTFE, PPL, NBR, VITON

Note:

there are T type port and L type port for the three-way ball valve

T port: can make the three orthogonal pipeline interconnected with each other and cut off the third port, playing the role of diversion and confluence.

L port: can only make the two orthogonal pipeline connected with each other and can not keep the third pipeline connected, playing only the role of diversion.



1000WOG Product dimensions

Unit:mm

PRODUCT SIZE	L	L/2	Ød	H1	H	A	E	F	C	J	HEX.B
DN08 1/4"	79	39.5	11	42	131	140.5	29	41.5	20	69	27
DN10 3/8"	79	39.5	11	42	131	140.5	29	41.5	20	69	27
DN15 1/2"	79	39.5	11	42	131	140.5	29	41.5	20	69	27
DN20 3/4"	88	44	15	49	154	158.5	36	47	20	85	34
DN25 1"	108	54	20	59.5	164.5	158.5	36	47	20	85	41
DN32 1 1/4"	124	62	25	63	198	247.5	49.5	56.8	20	115	50
DN40 1 1/2"	135	67.5	32	73.5	220.5	268.5	56	67	20	127	56
DN50 2"	164	82	40	82.8	257.8	315	64	77	30	145	70

1000WOG Product dimensions

Unit:mm

PRODUCT SIZE	L	L/2	Ød	H1	H2	A	B	C	E	F	G	J	HEX.B
DN08 1/4"	79	39.5	11	42	137.5	165	82	83	70	50.5	140.5	20	27
DN10 3/8"	79	39.5	11	42	137.5	165	82	83	70	50.5	140.5	20	27
DN15 1/2"	79	39.5	11	42	137.5	165	82	83	70	50.5	140.5	20	27
DN20 3/4"	88	44	15	49	137.5	165	82	83	70	50.5	140.5	20	34
DN25 1"	108	54	20	59.5	137.5	165	82	83	70	50.5	140.5	20	41
DN32 1 1/4"	124	62	25	63	137.5	165	82	83	70	50.5	140.5	20	50
DN40 1 1/2"	135	67.5	32	73.5	168.5	211.5	97.5	114	77	57	154	20	56
DN50 2"	164	82	40	82.8	168.5	211.5	97.5	114	77	57	154	20	70

Ball Valve threaded/socket welded/butt welded 3-piece ball valve



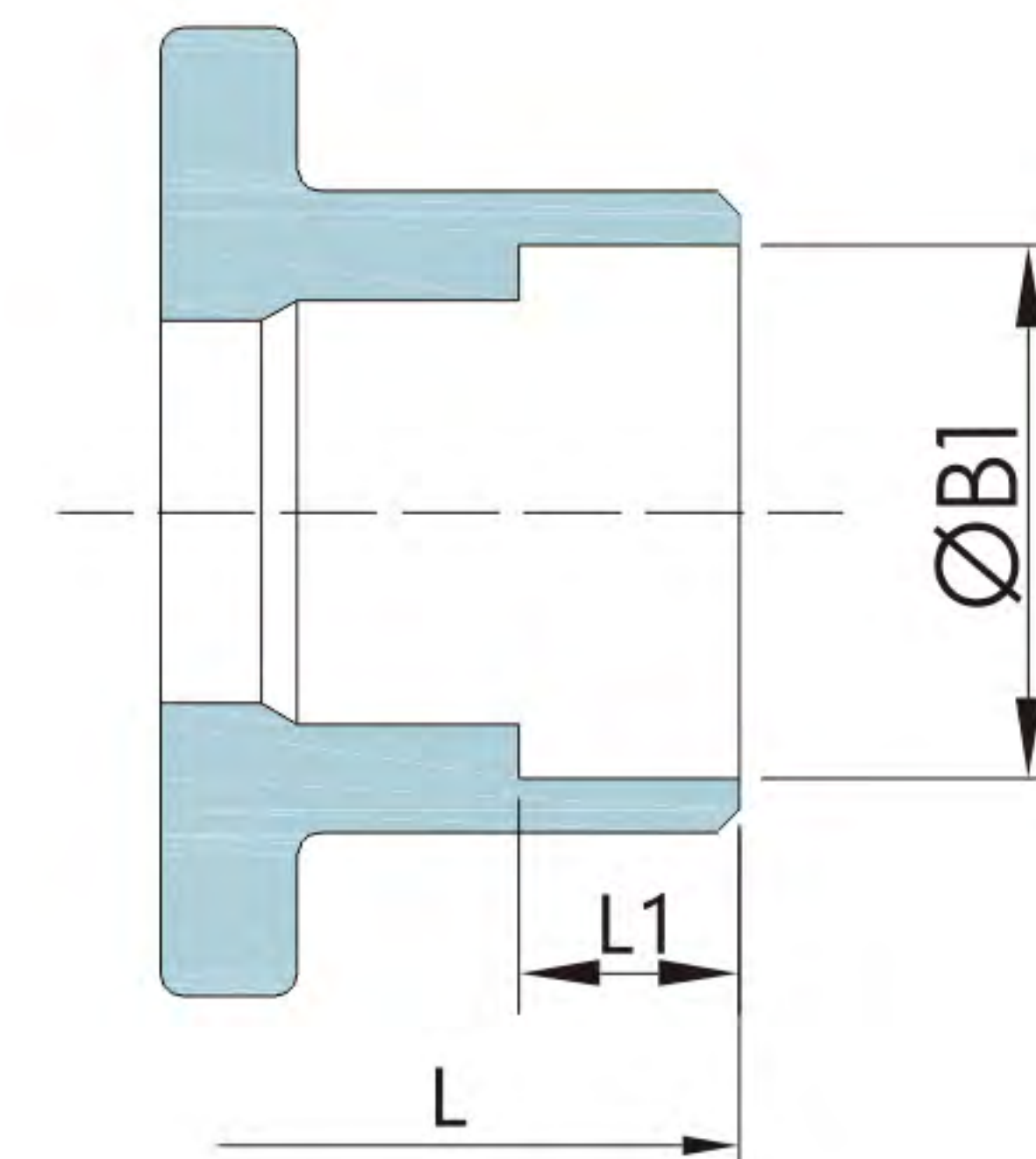
■ Features:

- o Fire proof structure
- o Using upright platform of ISO 5211 actuator
- o Anti-static device is equipped between the valve ball and valve body
- o Anti-stripping design for valve stem
- o Double Stem Packing design which conforms to German Tüv standard
- o Double butterfly shrapnel automatic compaction packing design
- o Dewaxing Precision Casting
- o Pressure balancing hole on steel ball
- o Valve chamber cleaning device on the valve body

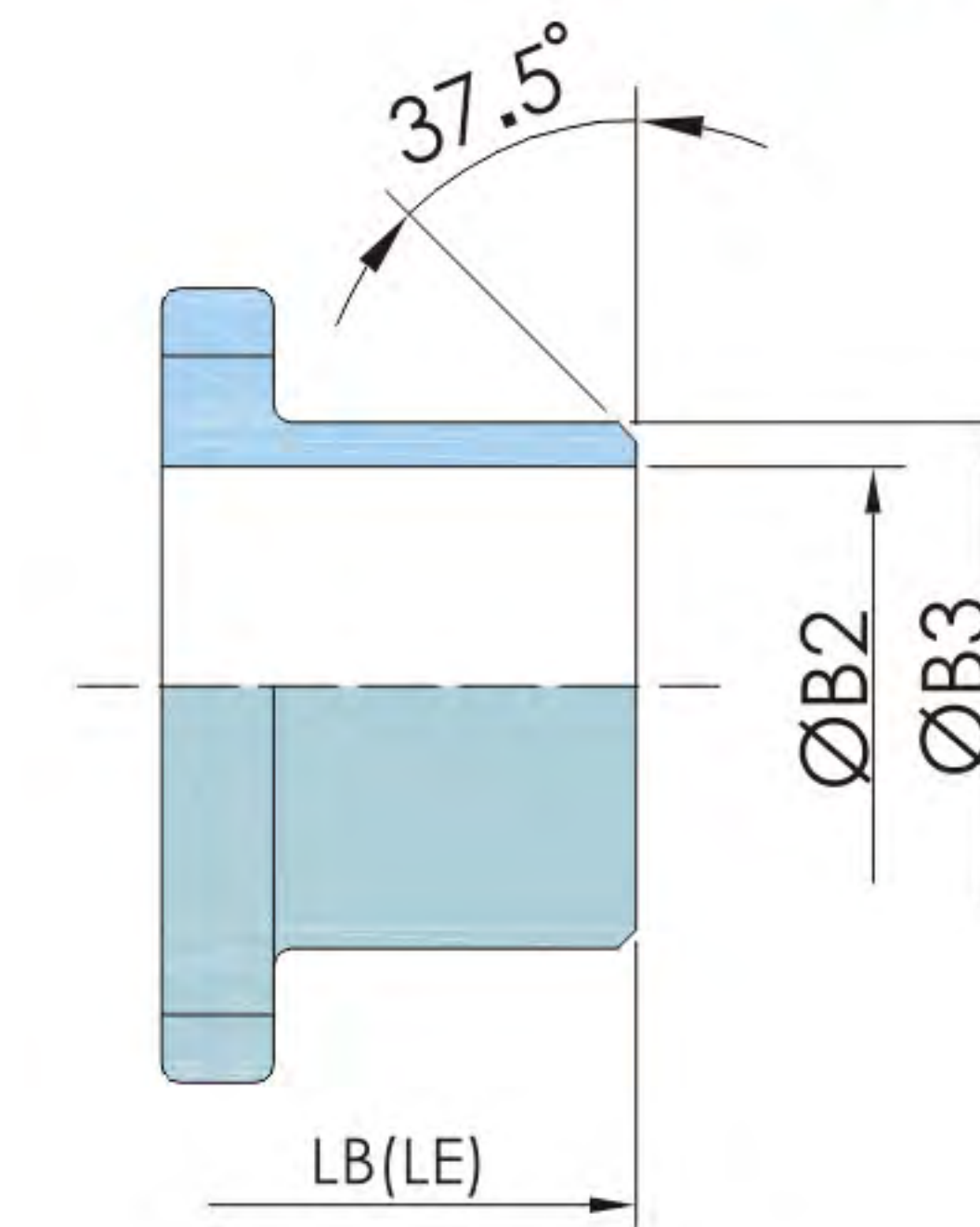
Options: 1、actuator 2、limit switch
3、limiter

■ Standards:

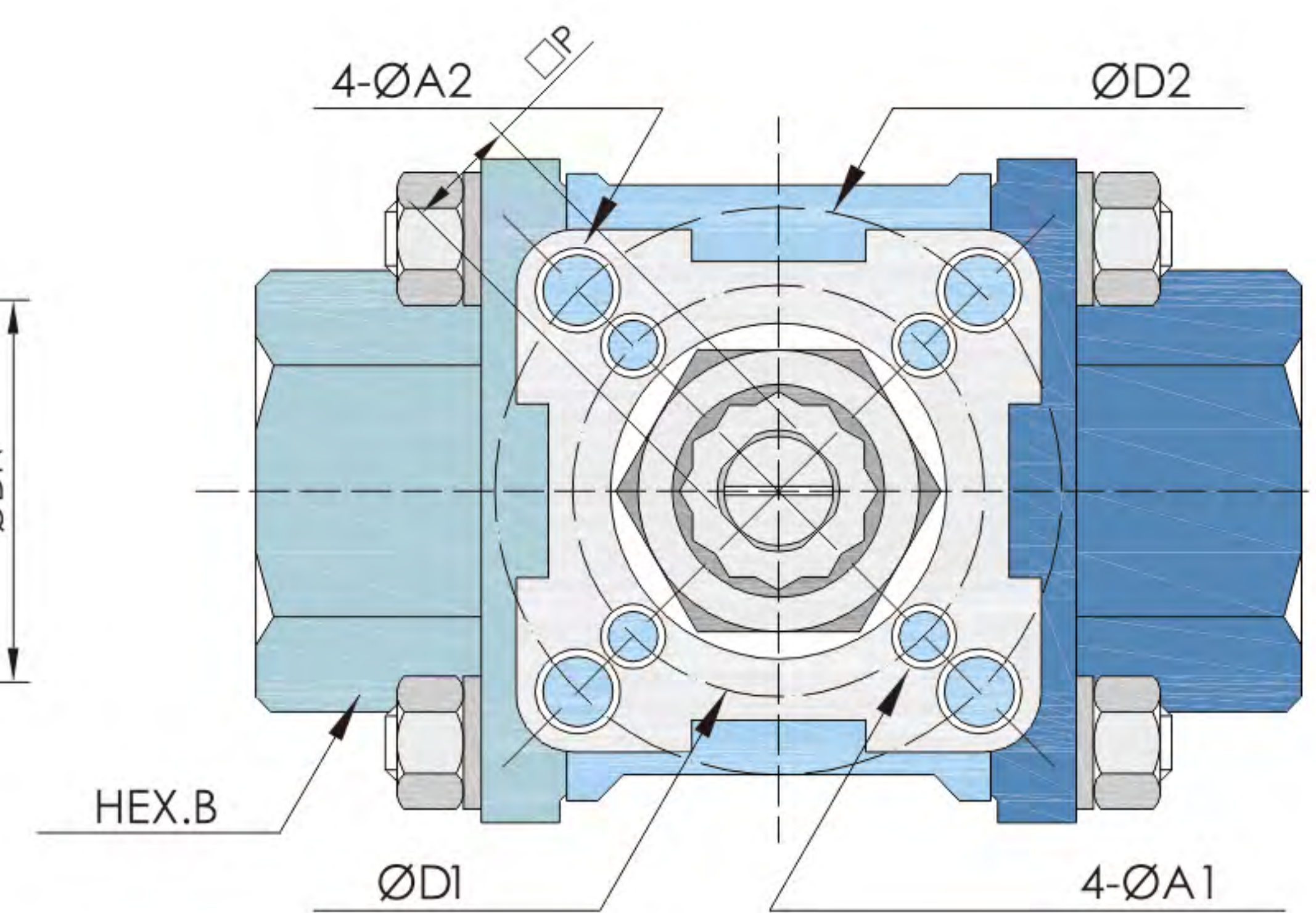
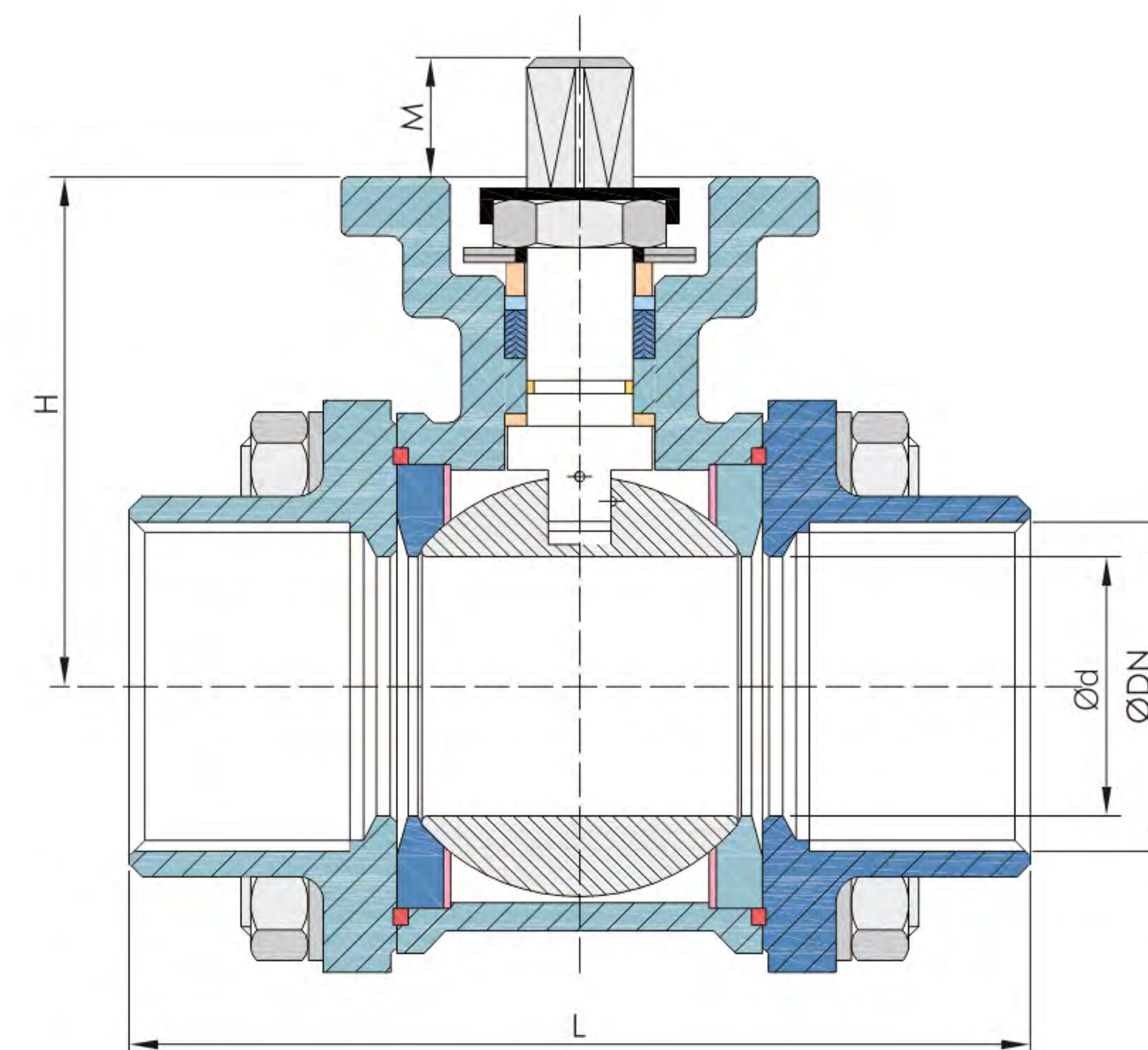
design:MSS SP-110
end flange:ASME B 1.20.1,
DIN 2999/259,
ISO 7/1,ISO 288/1,
JIS B 0203
wall thickness:EN 12516-3
butt welded:ASME B16.25(ΦB2 Sch40)
ΦB2 available in Sch 10.20
socket welded:ASME B 16.11
end flange:PN10-PN25
wall thickness:EN 12516-3
inspection&testing:MSS SP-110



SW-Ends



BW-Ends
LB: Standard LE: Lengthen



1000WOG Product dimensions

Unit:mm

PRODUCT SIZE	ISO	□P	M	ØD1	ØD2	ØA1	ØA2	L	LB	LE	Ød	L1	ØB1	ØB2	ØB3	
DN08	1/4"	F03-04	9	9	36	42	6	6	75	70	225	10.6	10	14.2	9.3	18
DN10	3/8"	F03-04	9	9	36	42	6	6	75	70	225	12.7	10	17.8	12.5	18
DN15	1/2"	F03-04	9	9	36	42	6	6	75	75	225	15.0	10	21.8	15.8	22
DN20	3/4"	F03-05	9	9	36	50	6	7	80	90	225	20.0	13	27.3	20.9	28
DN25	1"	F04-05	11	11	42	50	6	7	90	100	245	25.0	13	34.0	26.7	34
DN32	1 1/4"	F04-07	11	11	42	70	6	9	110	110	255	32.0	16	42.8	35.1	43
DN40	1 1/2"	F05-07	14	14	50	70	7	9	120	125	260	38.0	16	48.9	40.9	50
DN50	2"	F05-07	14	14	50	70	7	9	140	150	275	50.0	17	61.4	52.5	61
DN65	2 1/2"	F07-10	17	17	70	102	9	11	185	190	330	63.5	17	74.0	62.7	76
DN80	3"	F07-10	17	17	70	102	9	11	205	220	356	76.0	17	90.0	78.0	92
DN100	4"	F10	22	22	N/A	102	N/A	11	240	270	432	100.0	20	115.4	102.4	115



Basic parameters for pneumatic 3-piece ball valve

Pneumatic actuator: double acting type DA32-DA350, spring return type SR32-SR350

Rotation angle: standard type 0°-90°, adjustable two ends limit type 0°-90°-120°-180°, optional three-stage type 0°-90°-180°

Design standard: the actuator conforms to EU EN15714-3 standard; the connecting dimensions conform to ISO 5211-DIN3337 standard; the air interface conforms to NAMUR standard.

Optional accessories: limit switch, solenoid valve, locator, Hand operator, air filter.

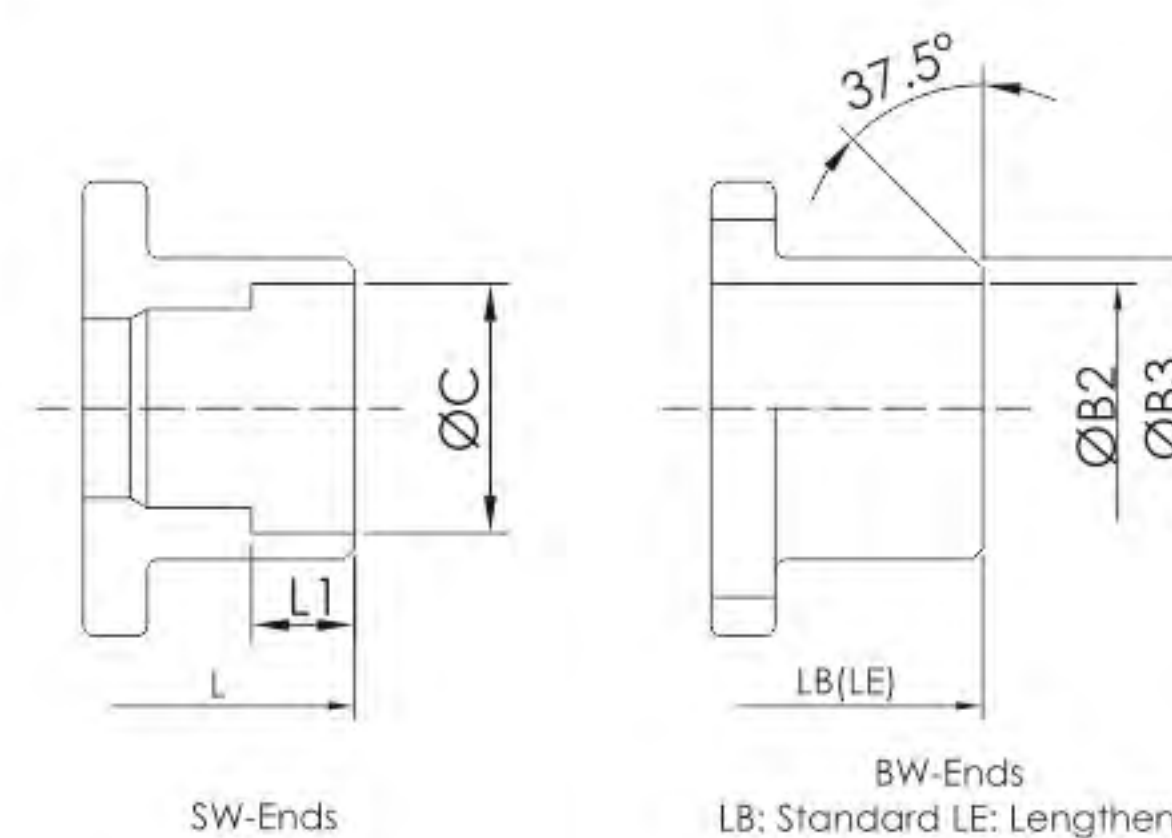
Nominal diameter: DN08-DN200(1/4"-8")

Nominal pressure: PN16, PN25, PN40 valve body and valve ball

Material: CF8, CF8M, CF3M, WCB, 2205

Seal material: PTFE, RPTFE, PPL, NBR, VITON

connection interface: PT, BSPT, NPT, G female, male threaded interface, flange interface, butt welded interface, socket welded interface.



Basic parameters for electric 3-piece ball valve

electric actuator: on-off type VP0050-VP2000, regulation type VP0050E-VP-2000E.

rotation angle: standard type (0°-90°)±5°.

power supply

voltage: AC220V, DC24V, AC380V, AC110V, AC440V.

input signal: 4-20mA, 0-10mA, 1-5V DC, 2-10V DC

feedback signal: active contact, passive contact

nominal diameter: DN08-DN200(1/4"-8")

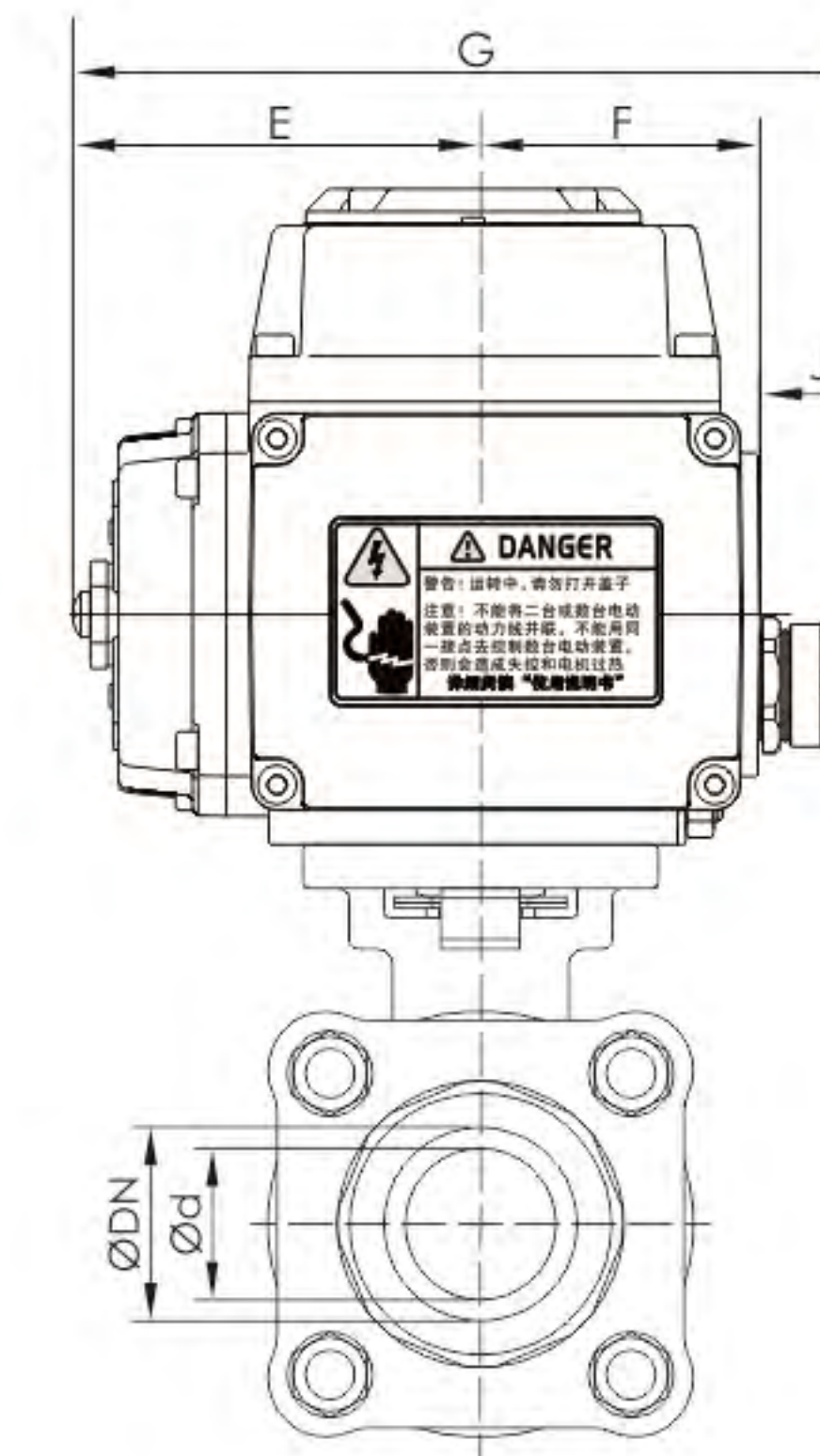
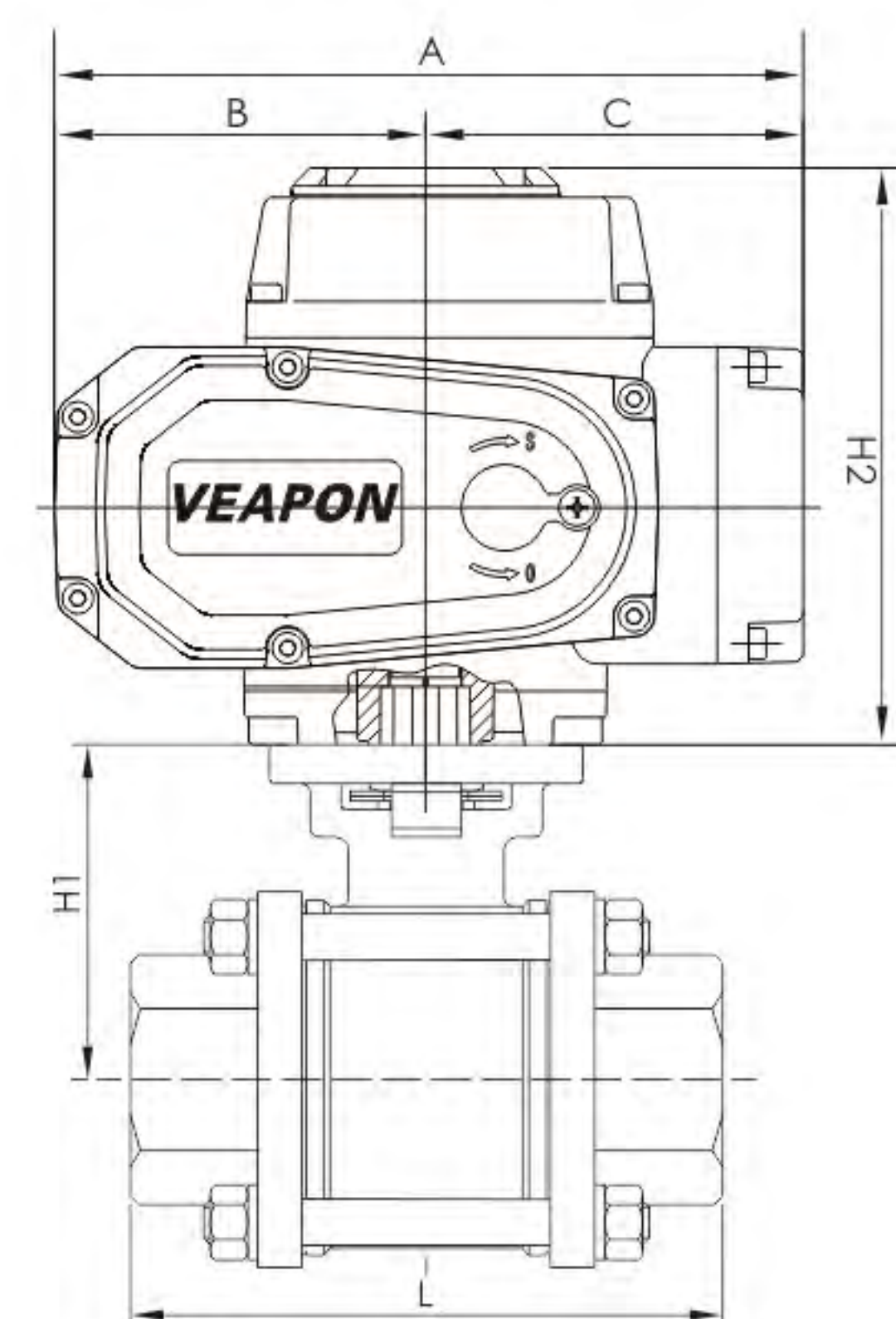
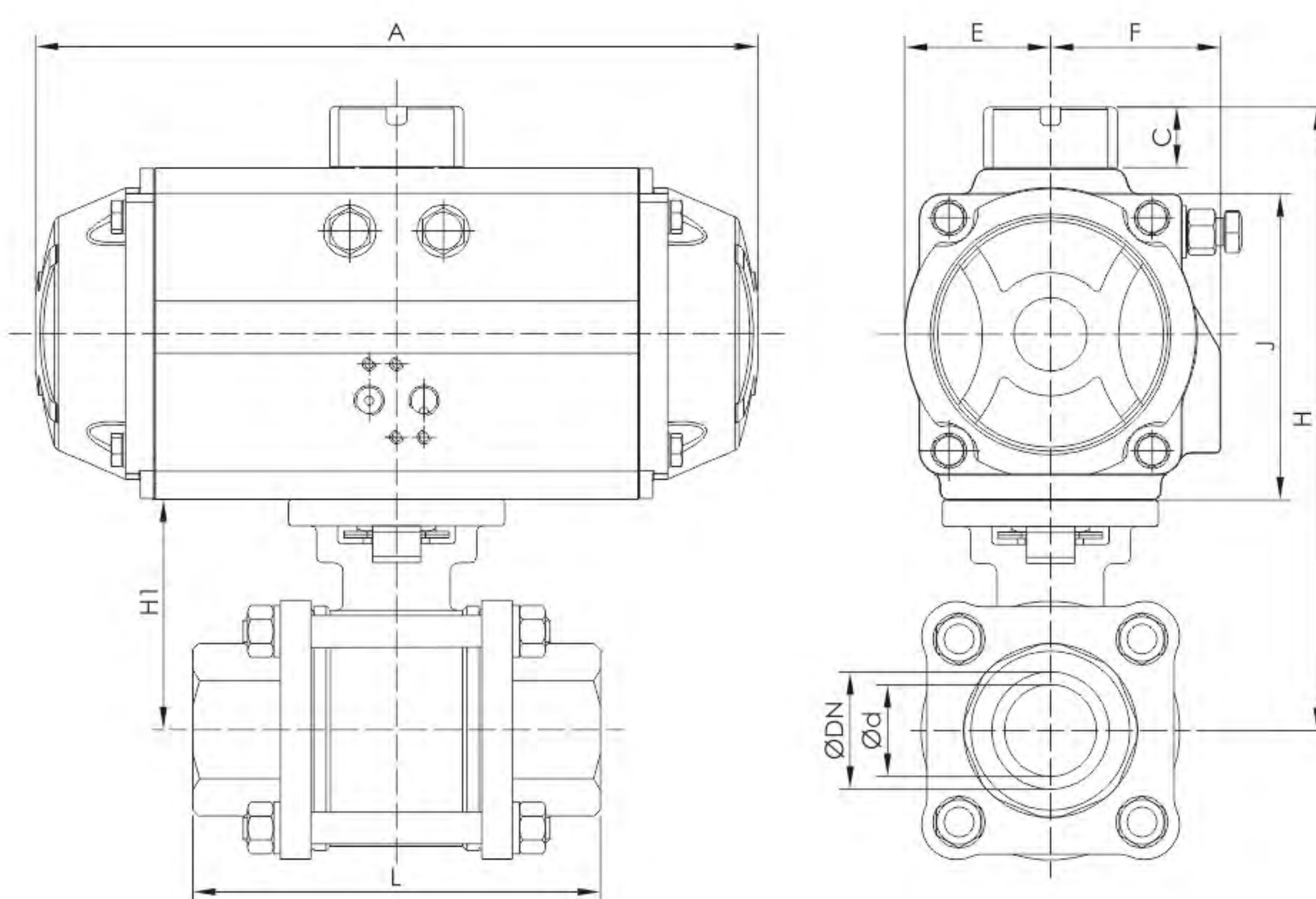
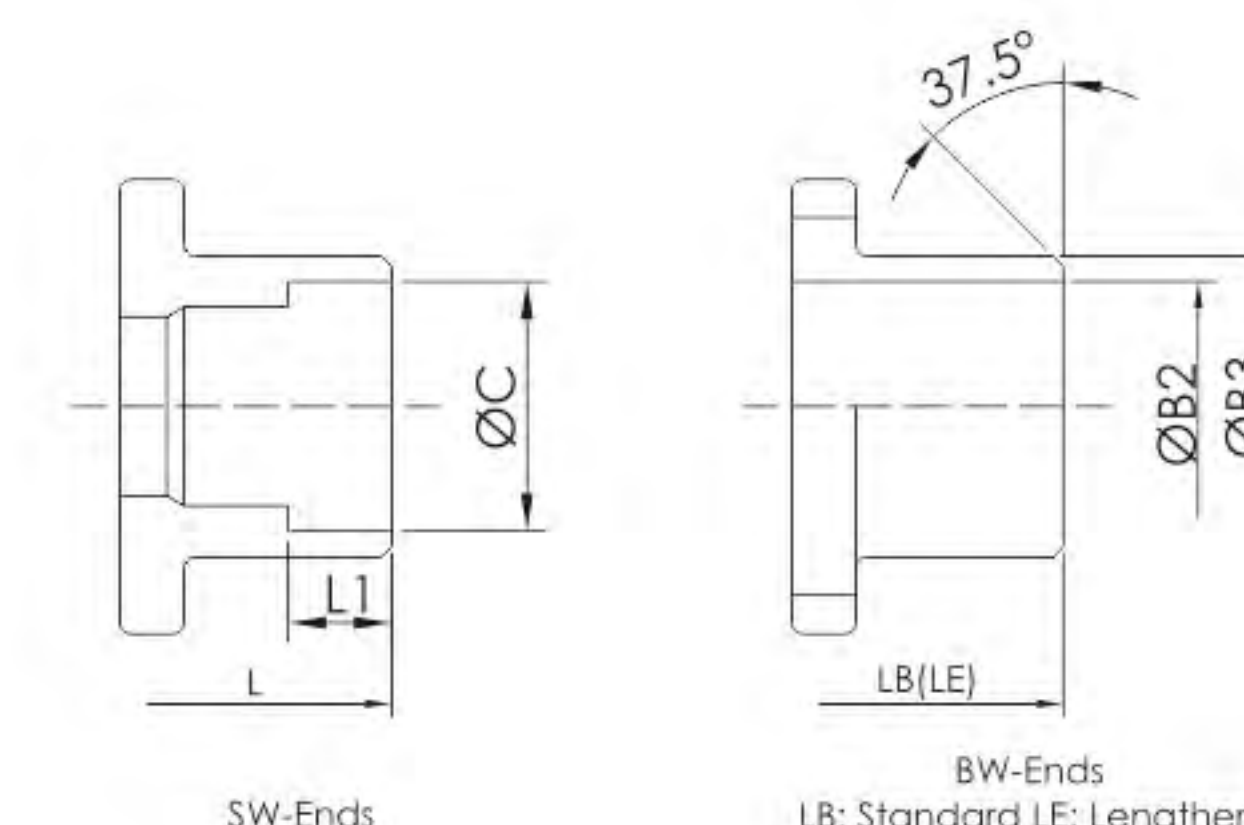
nominal pressure: PN16, PN25, PN40

valve body and valve ball

material: CF8, CF8M, CF3M, WCB, 2205

seal material: PTFE, RPTFE, PPL, NBR, VITON

connection interface: PT, BSPT, NPT, G female, male threaded interface, flange interface, butt welded interface, socket welded interface.



1000WOG Product dimensions

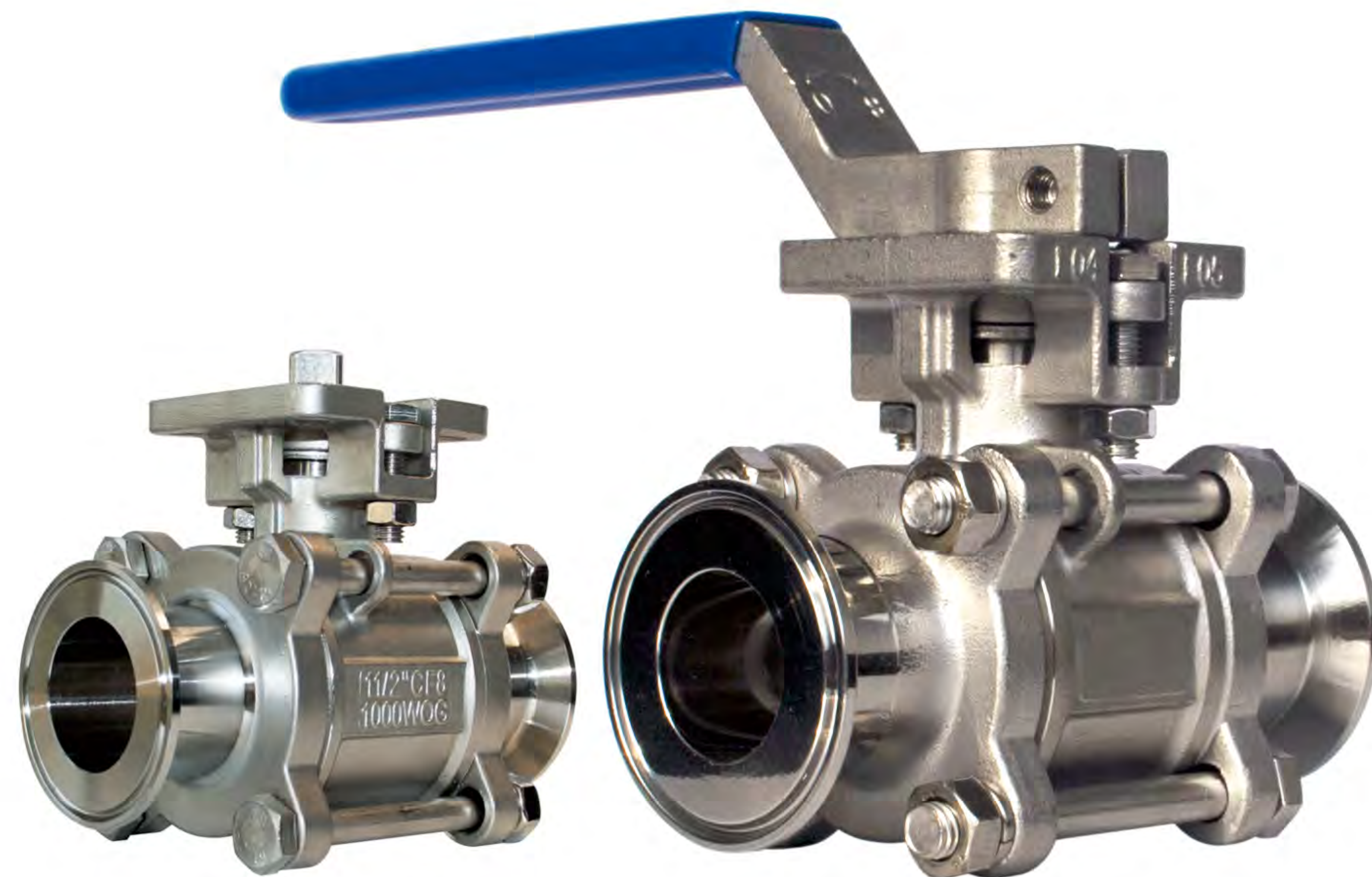
Unit:mm

PRODUCT SIZE	L	LB	LE	Ød	L1	ØB2	ØB3	H1	H	A	E	F	C	J
DN08 1/4"	75	70	225	10.6	10	9.3	18	43	108	110	22.5	22.5	20	45
DN10 3/8"	75	70	225	12.7	10	12.5	18	43	108	110	22.5	22.5	20	45
DN15 1/2"	75	75	225	15.0	10	15.8	22	43	108	140.5	29	41.5	20	69
DN20 3/4"	80	90	225	20.0	13	20.9	28	50	139	140.5	29	41.5	20	69
DN25 1"	90	100	245	25.0	13	26.7	34	58	139	140.5	29	41.5	20	69
DN32 1 1/4"	110	110	255	32.0	16	35.1	43	63	168	158.5	36	47	20	85
DN40 1 1/2"	120	125	260	38.0	16	40.9	50	74.5	179.5	158.5	36	47	20	85
DN50 2"	140	150	275	50.0	17	52.5	61	85	207	210.5	42.5	52	20	102
DN65 2 1/2"	185	190	330	63.5	17	62.7	76	101	236	247.5	49.5	56.8	20	115
DN80 3"	205	220	356	76.0	17	78.0	92	111	258	268.5	56	67	20	127
DN100 4"	240	270	432	100.0	20	102.4	115	131	318	345	69.5	82	30	157

1000WOG Product dimensions

Unit:mm

PRODUCT SIZE	L	LB	LE	Ød	N-Øh	L1	ØB2	ØB3	H1	H2	A	B	C	E	F	G	J
DN08 1/4"	75	70	225	10.6	-	10	9.3	18	43	137.5	165	82	83	70	50.5	140.5	20
DN10 3/8"	75	70	225	12.7	-	10	12.5	18	43	137.5	165	82	83	70	50.5	140.5	20
DN15 1/2"	75	75	225	15.0	4-14	10	15.8	22	43	137.5	165	82	83	70	50.5	140.5	20
DN20 3/4"	80	90	225	20.0	4-14	13	20.9	28	50	137.5	165	82	83	70	50.5	140.5	20
DN25 1"	90	100	245	25.0	4-14	13	26.7	34	58	137.5	165	82	83	70	50.5	140.5	20
DN32 1 1/4"	110	110	255	32.0	4-18	16	35.1	43	63	137.5	165	82	83	70	50.5	140.5	20
DN40 1 1/2"	120	125	260	38.0	4-18	16	40.9	50	75	168.5	211.5	97.5	114	77	57	154	20
DN50 2"	140	150	275	50.0	4-18	17	52.5	61	85	168.5	211.5	97.5	114	77	57	154	20
DN65 2 1/2"	185	190	330	63.5	8-18	17	62.7	76	101	203	259	124	135	103	63	186	20
DN80 3"	205	220	356	76.0	8-18	17	78.0	92	111	203	259	124	135	103	63	186	20
DN100 4"	240	270	432	100.0	8-22	20	102.4	115	131	203	259	124	135	103	63	186	20



Features:

- 1、fire proof structure
- 2、using upright platform of ISO 5211 actuator
- 3、anti-static device is equipped between the valve ball and valve body
- 4、anti-stripping design for valve stem
- 5、double Stem Packing design which conforms to German Tüv standard
- 6、double butterfly shrapnel automatic compaction packing design
- 7、Dewaxing Precision Casting
- 8、Pressure balancing hole on steel ball
- 9、valve chamber cleaning device on the valve body

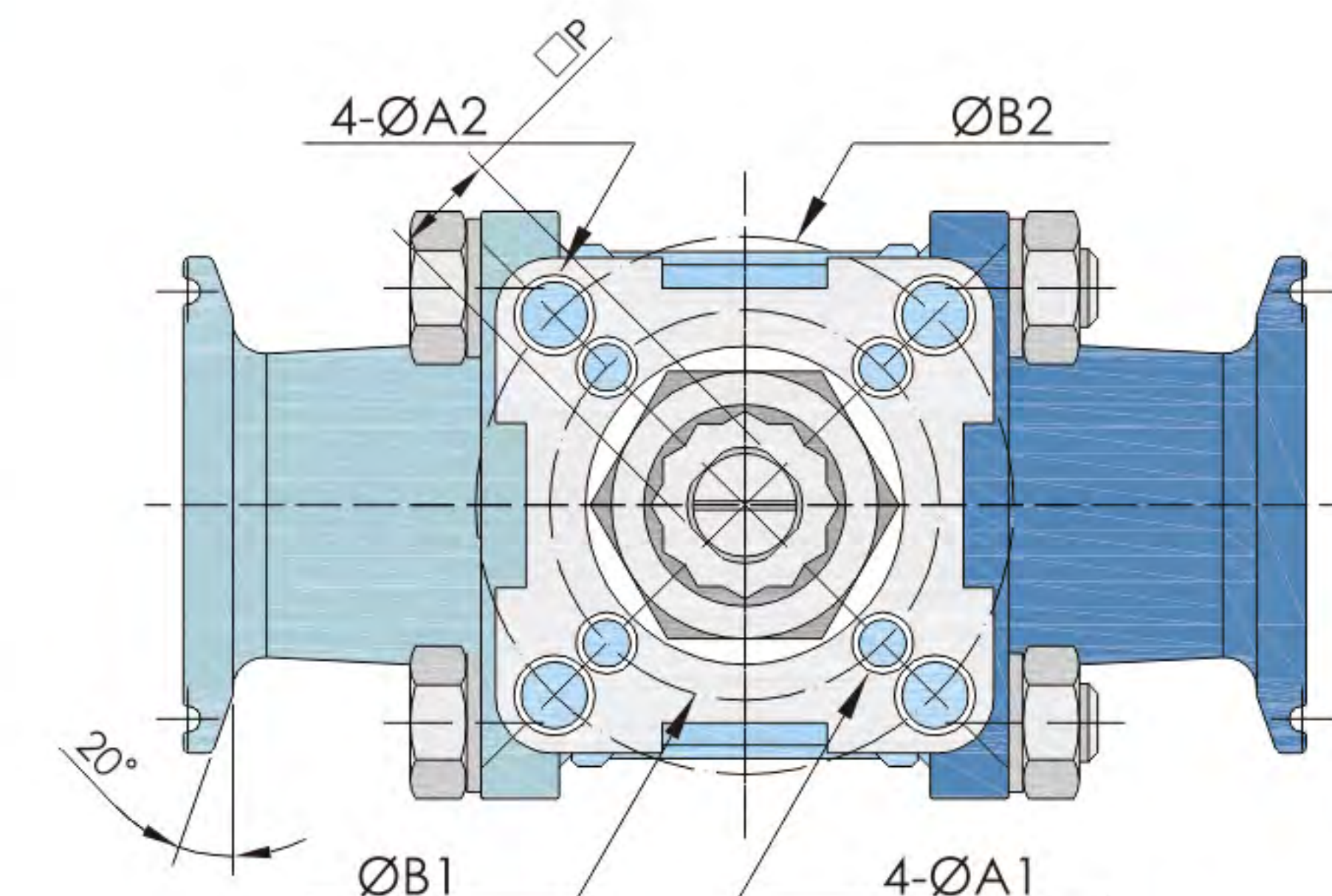
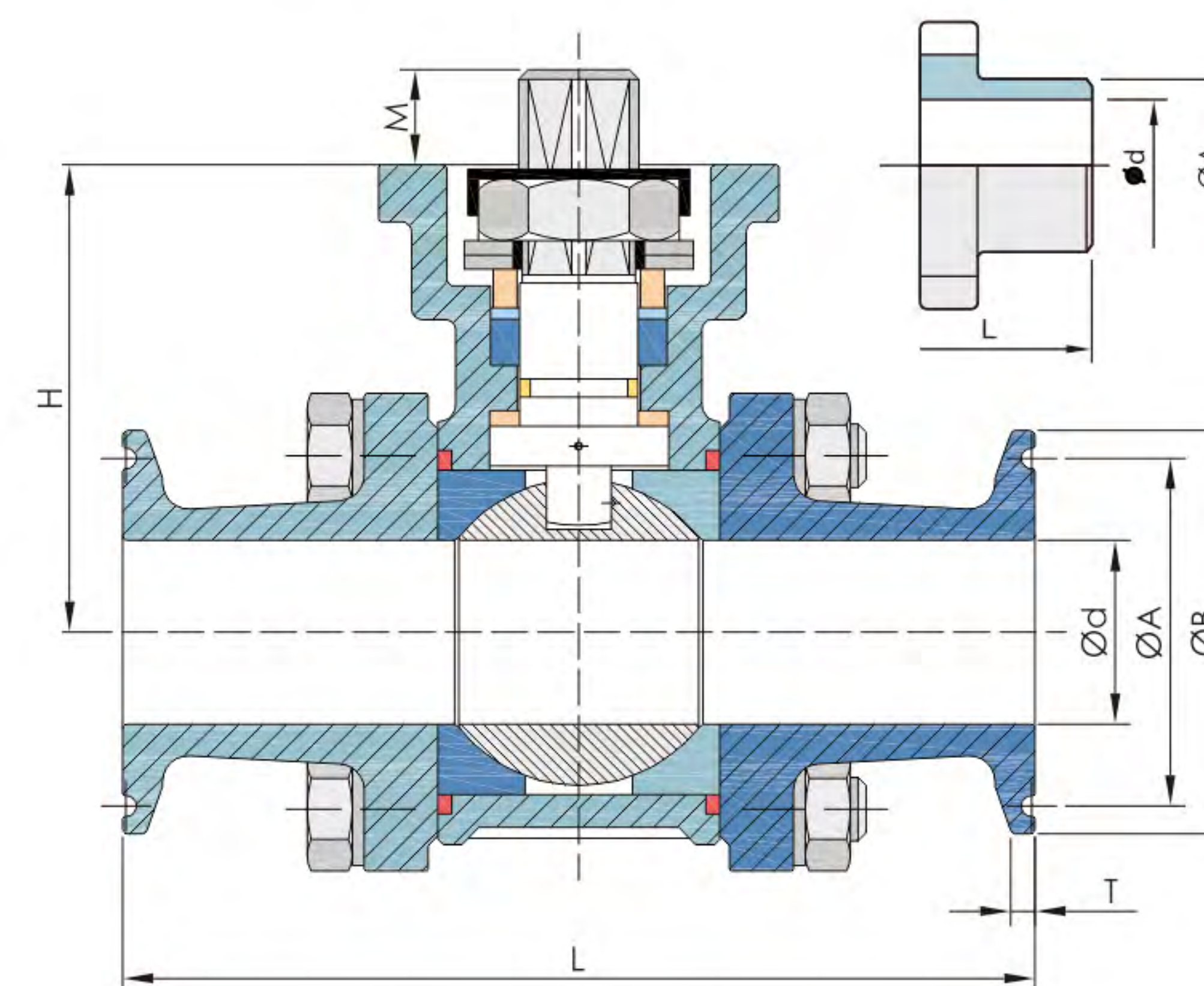
Options: 1、actuator 2、limit switch 3、limiter

Standard:

design:GB/T12224 GB/T12237
face to face:GB/T 12221
wall thickness:GB/T 12224
fire safe:API 607 5th 2005,ISO 10497
inspection&testing:GB/T 13927

Pressure rating:

max:1000WOG (it is related with the type of the connection interface.)
interface connection type:
quick installation type
welded type
flange type
The connection interface can be interchanged for the ultra clean valve.



Introduction

The ultra clean ball valve is specially designed and meet the ASME BPE requirement for high purity application.

The valve body and the internal parts ia made of CF3M stainless steel.There are many kinds of surface treatment method,such as electrochemical polishing,etc.

The valve chamber packing and connection interface can be customized according to different requirement.

Passing Performance

The internal diameter of the interface is the same with the hole diameter of the ball for the ultra clean ball valve which makes the valve have good flow performance,tiny pressure difference and great fluid passing performance.

Sanitary Level of Process

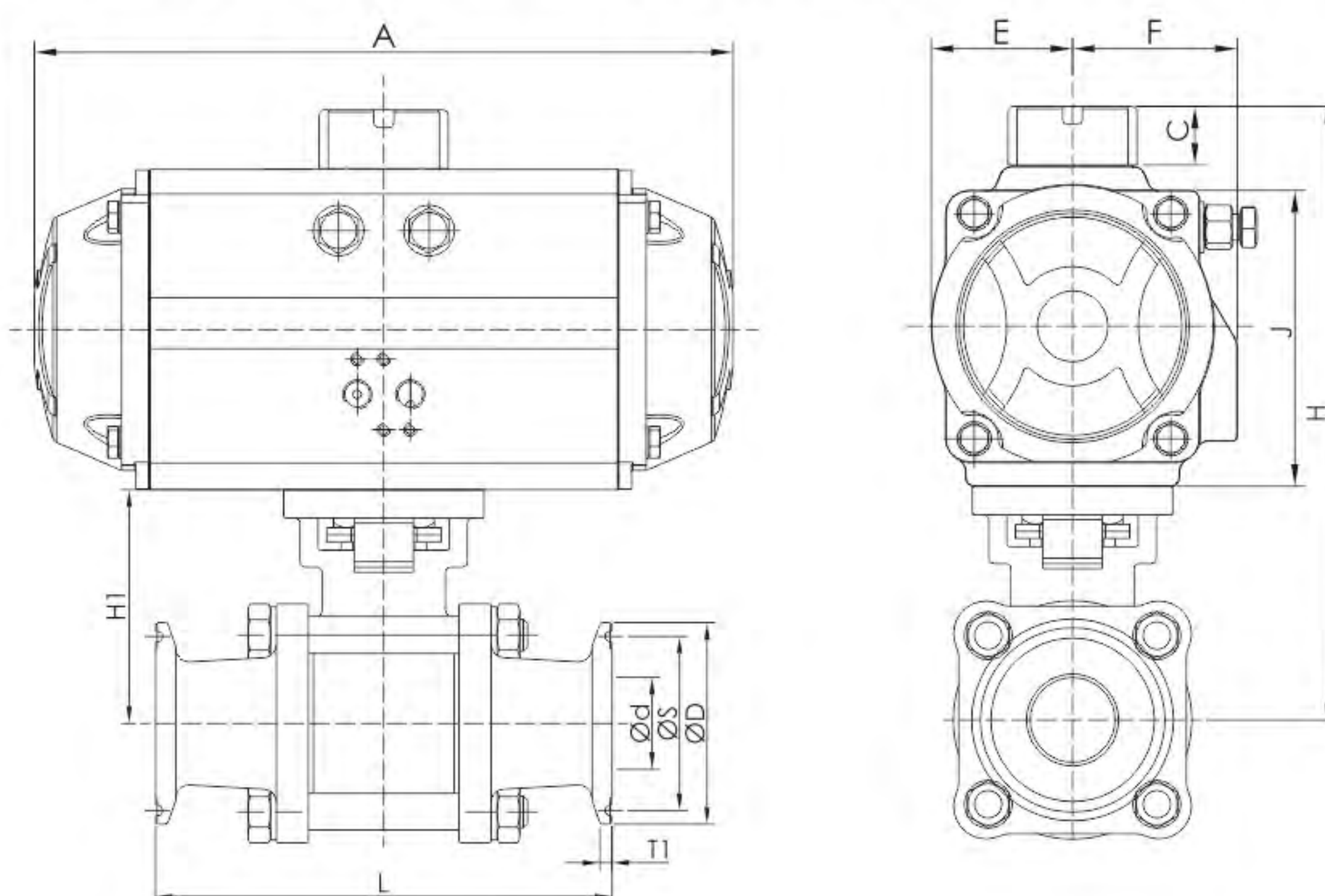
To prevent the component being polluted,the ultra clean ball valve is cleaned by solution and then assembled,bagged and packed in order to use it in the high purity system.

3A	d	A	B	C	L	T	H	M	H1	W	A1	A2	B1	B2	P
1/2"	9.4	12.7	25.2	12.7	90	3.7	42	9	60.5	130	6	6	36	42	9
3/4"	15.8	19.1	25.2	19.1	102	3.7	49	9	64.5	130	6	7	36	50	9
1"	22.1	25.4	50.5	25.4	114	2.85	58	11	78	170	6	7	42	50	11
1-1/2"	34.8	38.1	50.5	38.1	138	2.85	71	14	98	173	7	9	50	70	14
2"	47.5	50.8	64	50.8	156	2.85	78	14	107	173	7	9	50	70	14
2-1/2"	60.2	63.5	77.5	63.5	170	2.85	100	17	130	223	8.5	10.5	70	102	17
3"	72.9	76.2	91	76.2	197	2.85	109	17	153	335	8.5	10.5	70	102	17
4"	97.4	101.6	119	101.6	242	2.85	140	22	169	335		10.5		102	22

DIN	d	A	B	C	L	T	H	M	H1	W	A1	A2	B1	B2	P
DN15	15	18	34	18	90	2.85	42	9	60.5	130	6	6	36	42	9
DN20	19	22	34	22	102	2.85	49	9	64.5	130	6	7	36	50	9
DN25	25	28	50.5	28	114	2.85	58	11	78	170	6	7	42	50	11
DN40	37	40	50.5	40	138	2.85	71	14	98	173	7	9	50	70	14
DN50	49	52	64	52	156	2.85	78	14	107	173	7	9	50	70	14
DN65	66	70	91	70	170	2.85	100	17	130	223	8.5	10.5	70	102	17
DN80	81	85	106	85	197	2.85	109	17	153	335	8.5	10.5	70	102	17
DN100	100	104	119	104	242	2.85	140	22	169	335		10.5		102	22

Basic Parameters for Pneumatic Sanitary Quick Mounted Ball Valve

Pneumatic actuator: double acting type DA32-DA350, spring return type SR32-SR350
Rotation angle: standard type 0°-90°, adjustable two ends limit type 0°-90°-120°-180°, optional three-stage type 0°-90°-180°
Design standard: the actuator conforms to EU EN15714-3 standard; the connecting dimensions conform to ISO 5211-DIN3337 standard; the air interface conform to NAMUR standard.
Optional accessories: limit switch, solenoid valve, locator, Hand operator, air filter.
Nominal diameter: DN15-DN100 (1/2"-4")
Nominal pressure: PN16, PN25, PN40
 valve body and valve ball material: CF8, CF8M, CF3M, WCB, 2205
Seal material: PTFE, RPTFE, PPL, NBR, VITON
 Cartridge and the cartridge sealing parts are optional.



3A Standard Product Dimensions

PRODUCT SIZE	L	T1	Ød	ØS	ØD	H1	H	A	E	F	C	J
1/2"	90	3.7	9.4	12.7	25.2	42	131	140.5	29	41.5	20	69
3/4"	102	3.7	15.8	19.1	25.2	49	137.5	140.5	29	41.5	20	69
1"	114	2.85	22.1	25.4	50.5	58	147.5	140.5	29	41.5	20	69
1 1/2"	138	2.85	34.8	38.1	50.5	71	176	158.5	36	47	20	85
2"	156	2.85	47.5	50.8	64	78	200	210.5	42.5	52	20	102
2 1/2"	170	2.85	60.2	63.5	77.5	100	235	247.5	49.5	56.8	20	115
3"	197	2.85	72.9	76.2	91	109	256	268.5	56	67	20	127
4"	242	2.85	97.4	101.6	119	140	327	345	69.5	82	30	157

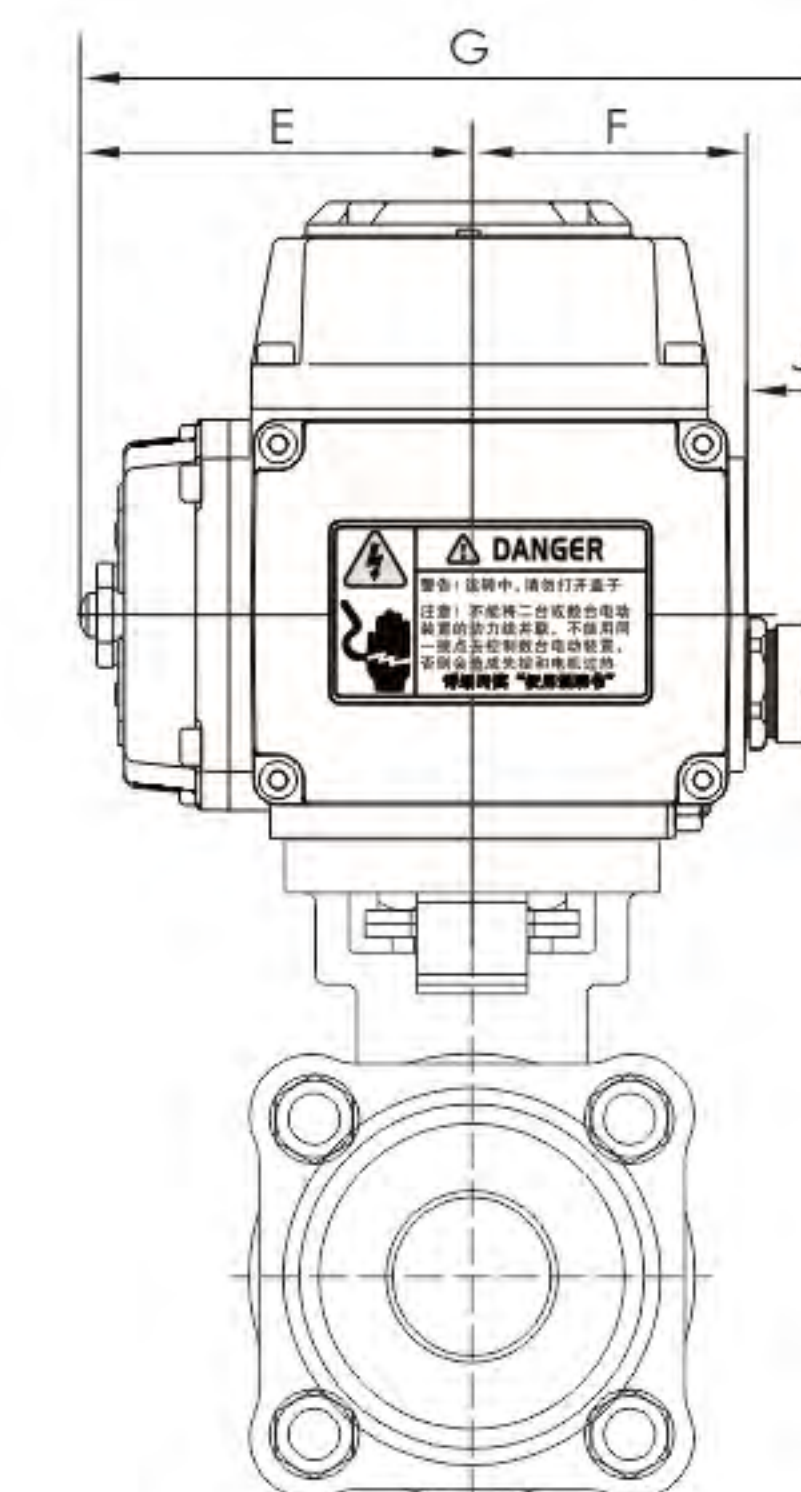
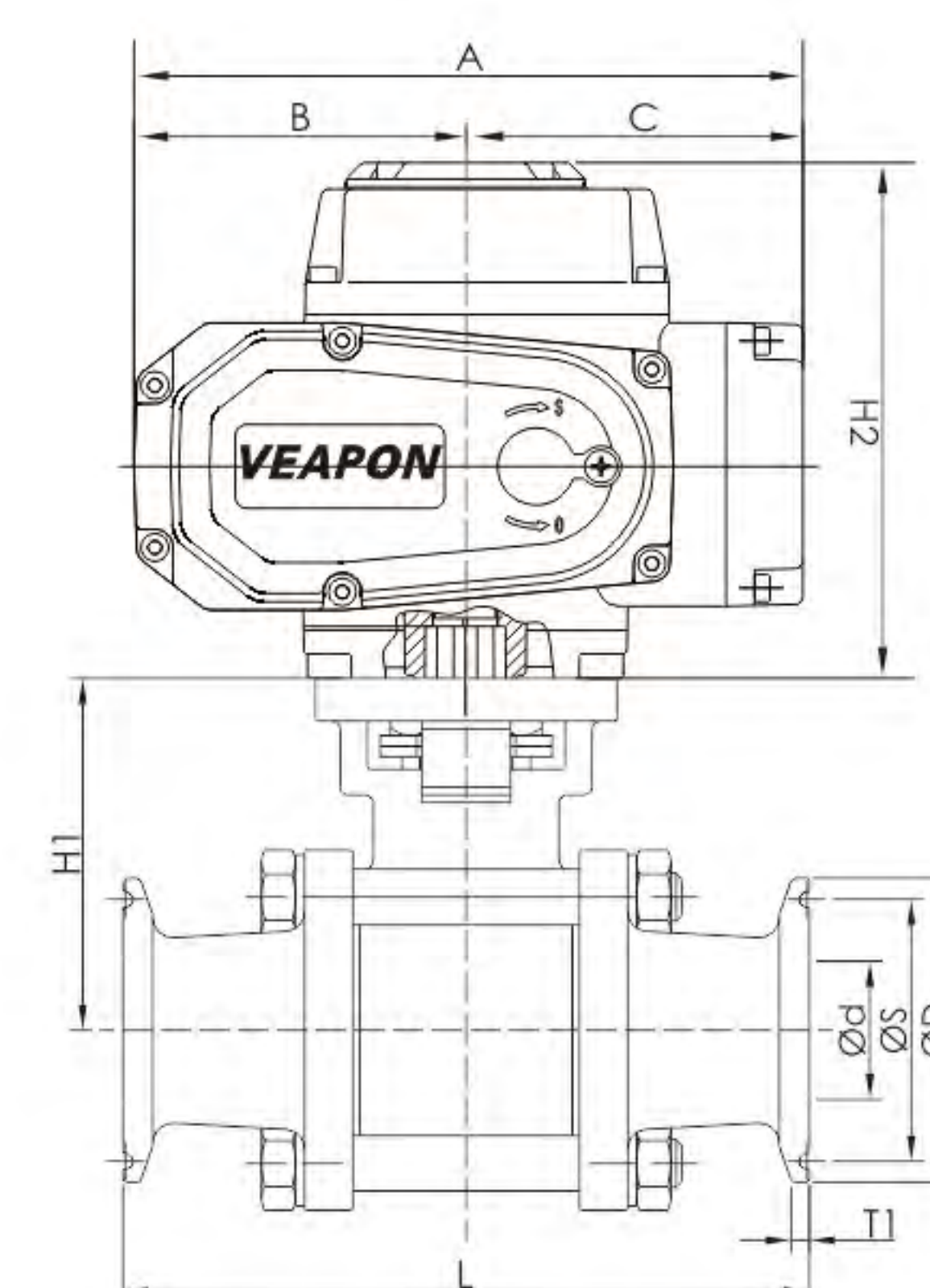
DIN Standard Product Dimensions

PRODUCT SIZE	L	T1	Ød	ØS	ØD	H1	H	A	E	F	C	J
DN15	90	3.7	15	18	34	42	131	140.5	29	41.5	20	69
DN20	102	3.7	19	22	34	49	137.5	140.5	29	41.5	20	69
DN25	114	2.85	25	28	50.5	58	147.5	140.5	29	41.5	20	69
DN40	138	2.85	37	40	50.5	71	176	158.5	36	47	20	85
DN50	156	2.85	49	52	64	78	200	210.5	42.5	52	20	102
DN65	170	2.85	66	70	91	100	235	247.5	49.5	56.8	20	115
DN80	197	2.85	81	85	106	109	256	268.5	56	67	20	127
DN100	242	2.85	100	104	119	140	327	345	69.5	82	30	157

Basic Parameters for Electric Sanitary Quick Mounted Ball Valve

electric actuator: on-off type VP0050-VP2000, regulation type VP0050E-VP-2000E.
rotation angle: standard type (0°-90°)±5°.
 power supply
voltage: AC220V, DC24V, AC380V, AC110V, AC40V.
input signal: 4-20mA, 0-10mA, 1-5V DC, 2-10V DC

feedback signal: active contact, passive contact
nominal diameter: DN15-DN100 (1/2"-4")
nominal pressure: PN16, PN25, PN40
 valve body and valve ball
material: CF8, CF8M, CF3M, WCB, 2205
seal material: PTFE, RPTFE, PPL, NBR, VITON
 Cartridge and the cartridge sealing parts are optional.

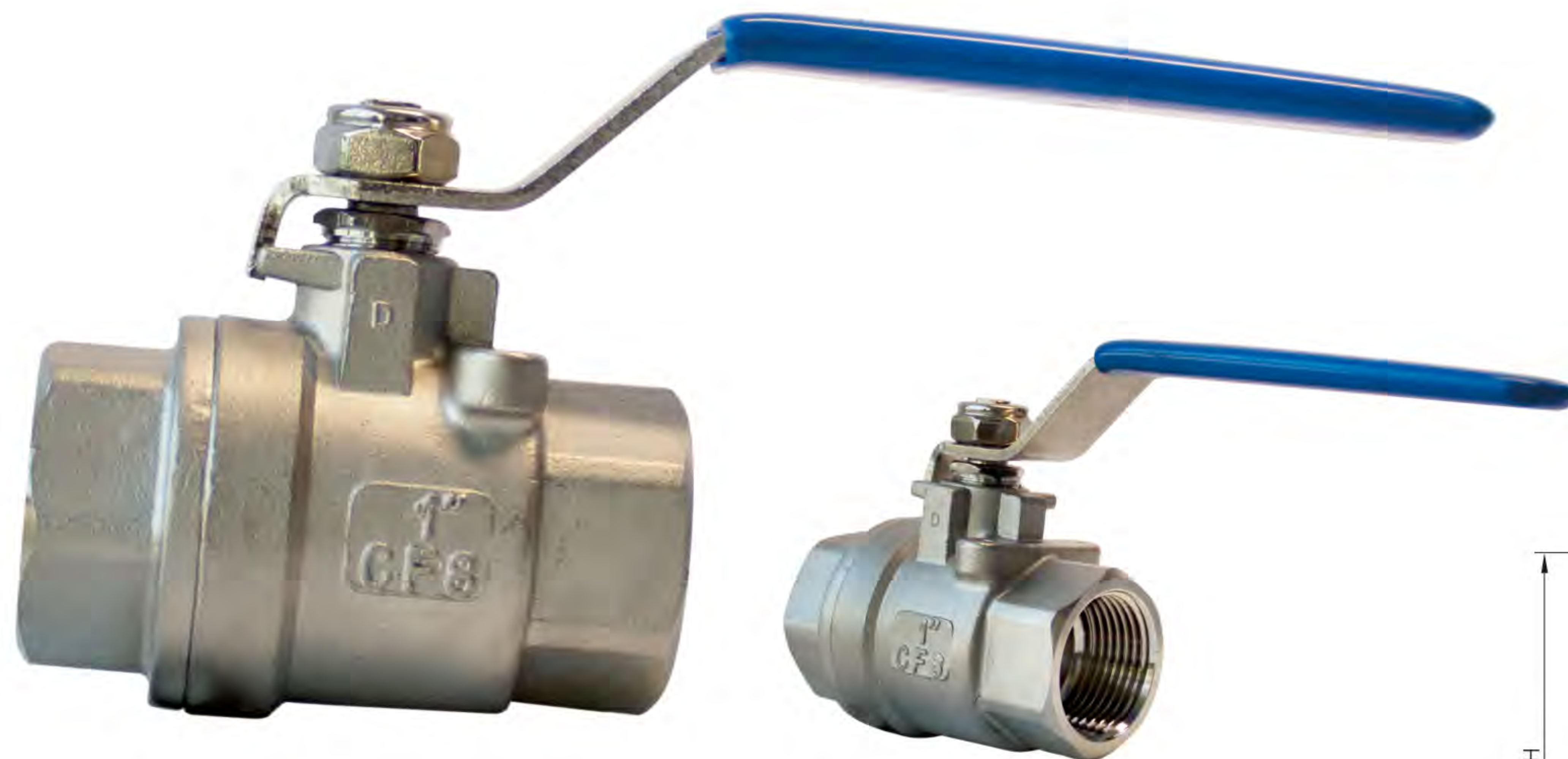


3A Standard Product Dimensions

PRODUCT SIZE	L	T1	Ød	ØS	ØD	H1	H2	A	B	C	E	F	G	J
1/2"	90	3.7	9.4	12.7	25.2	42	137.5	165	82	83	70	50.5	140.5	20
3/4"	102	3.7	15.8	19.1	25.2	49	137.5	165	82	83	70	50.5	140.5	20
1"	114	2.85	22.1	25.4	50.5	58	137.5	165	82	83	70	50.5	140.5	20
1 1/2"	138	2.85	34.8	38.1	50.5	71	168.5	211.5	97.5	114	77	57	154	20
2"	156	2.85	47.5	50.8	64	78	168.5	211.5	97.5	114	77	57	154	20
2 1/2"	170	2.85	60.2	63.5	77.5	100	203	259	124	135	103	63	186	20
3"	197	2.85	72.9	76.2	91	109	203	259	124	135	103	63	186	20
4"	242	2.85	97.4	101.6	119	140	203	259	124	135	103	63	186	20

DIN Standard Product Dimensions

PRODUCT SIZE	L	T1	Ød	ØS	ØD	H1	H2	A	B	C	E	F	G	J
DN15	90	3.7	15	18	34	42	137.5	165	82	83	70	50.5	140.5	20
DN20	102	3.7	19	22	34	49	137.5	165	82	83	70	50.5	140.5	20
DN25	114	2.85	25	28	50.5	58	137.5	165	82	83	70	50.5	140.5	20
DN40	138	2.85	37	40	50.5	71	168.5	211.5	97.5	114	77	57	154	20
DN50	156	2.85	49	52	64	78	168.5	211.5	97.5	114	77	57	154	20
DN65	170	2.85	66	70	91	100	203	259	124	135	103	63	186	20
DN80	197	2.85	81	85	106	109	203	259	124	135	103	63	186	20
DN100	242	2.85	100	104	119	140	203	259	124	135	103	63	186	20



2-Piece Threaded Ball Valve

Technical Parameters:

- o Handle
- o Nominal diameter: 1/4"-3" (DN08-DN85)
- o Working pressure: PN16-PN100
- o Applicable temperature: normal tem.: -20°C - +120°C high tem.: -60°C - +280°C
- o Connection: NPT, G, PT, BSPT (UNI/ISO 7/1 Rp standard)
- o Valve trim material: AISI 316, 1.4401
- o Seal material: FKM/PTFE
- o Medium: air, water, gas, petroleum, corrosive gas

Product Feature:

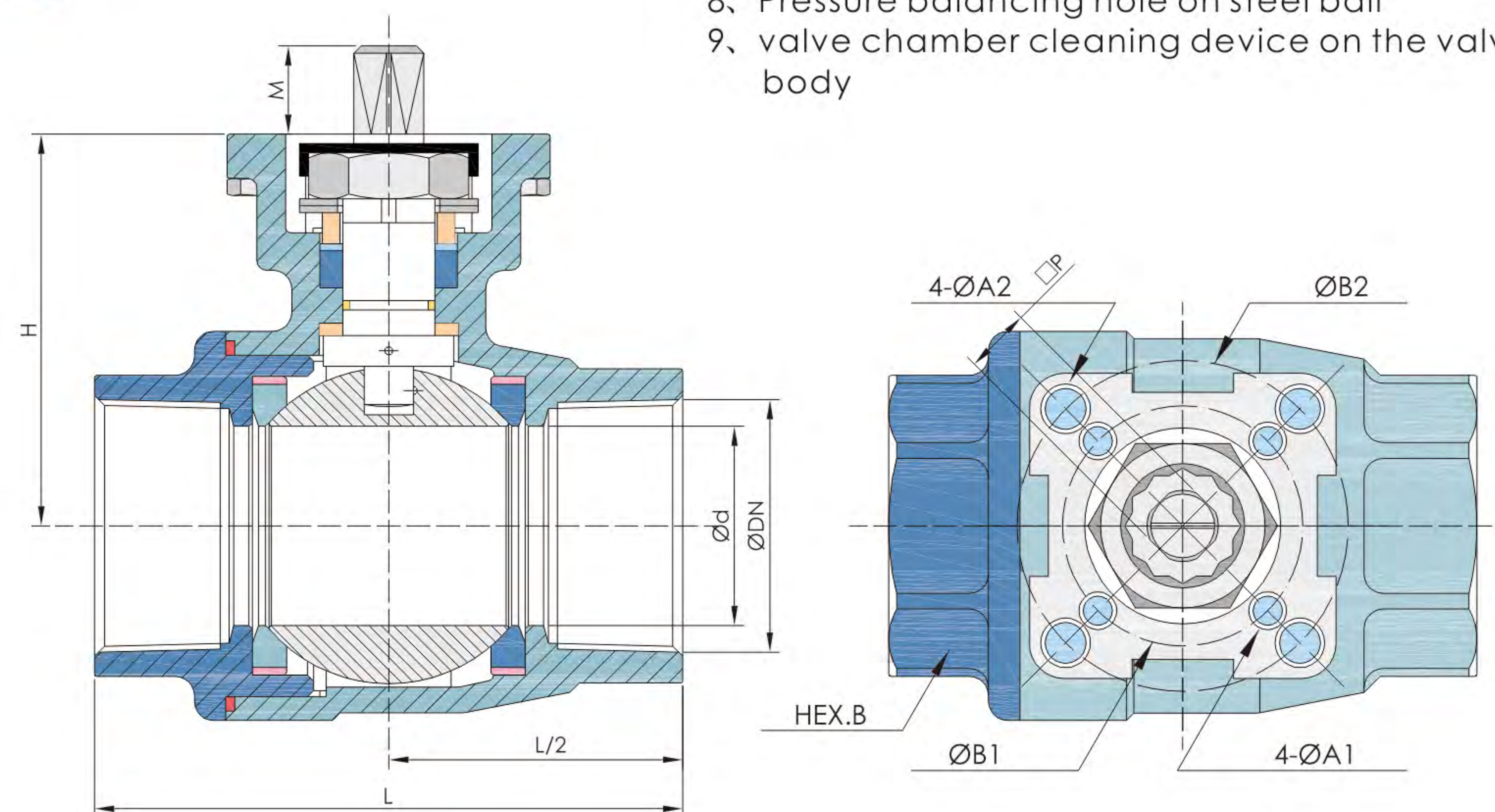
- o Opening and closing without friction: it completely solves the problem that the traditional valves are affected by the friction between the sealing surfaces.
- o Top mounted structure: valves installed in pipelines can be directly inspected and maintained online, which can effectively reduce the device stop and cost.
- o Single valve seat: it eliminates the problem that the medium in the valve chamber will affect the safety of operation due to abnormal boosting.
- o Low torque: due to special structural design of the valve stem, only with a small handle, the valve can be easily opened and closed.

Standard:

Design: MSS SP-110
 Wall thickness: EN 12516-3
 Pipe thread: ASME B1.20.1,
 DIN 2999/259,
 ISO 7/1, ISO 288/1,
 JIS B 0203
 Inspection & testing: MSS SP-110

Features:

1. fire proof structure
2. using upright platform of ISO 5211 actuator
3. anti-static device is equipped between the valve ball and valve body
4. anti-stripping design for valve stem
5. double Stem Packing design which conforms to German Tüv standard
6. double butterfly shrapnel automatic compaction packing design
7. Dewaxing Precision Casting
8. Pressure balancing hole on steel ball
9. valve chamber cleaning device on the valve body



1000WOG Product dimensions

Unit:mm

PRODUCT SIZE		ISO	□P	M	ØB1	ØB2	ØA1		ØA2	L	L/2	Ød	H	HEX.B
DN08	1/4"	F03-04	9	9	36	42	6	6	6	62	29.0	10.6	43.1	27
DN10	3/8"	F03-04	9	9	36	42	6	6	6	62	29.0	12.0	43.1	27
DN15	1/2"	F03-04	9	9	36	42	6	6	6	75	34.5	15.0	43.1	27
DN20	3/4"	F03-05	9	9	36	50	6	7	80	37.0	20.0	50.7	32	
DN25	1"	F04-05	11	11	42	50	6	7	90	45.0	25.0	58.0	41	
DN32	1 1/4"	F04-07	11	11	42	70	6	9	110	51.0	32.0	63.0	50	
DN40	1 1/2"	F05-07	14	14	50	70	7	9	120	60.0	38.0	74.0	56	
DN50	2"	F05-07	14	14	50	70	7	9	140	70.0	50.0	83.5	70	
DN65	2 1/2"	F07-10	17	17	70	102	9	11	185	92.5	63.5	102.3	90	
DN80	3"	F07-10	17	17	70	102	9	11	205	102.5	76.0	110.7	104	



pneumatic flanged ball valve



pneumatic flanged 3-way ball valve



electric flanged 3-way ball valve



pneumatic socket welded ball valve



pneumatic butt welded ball valve



electric butt welded ball valve



3-way clamp ball valve



manual socket welded ball valve



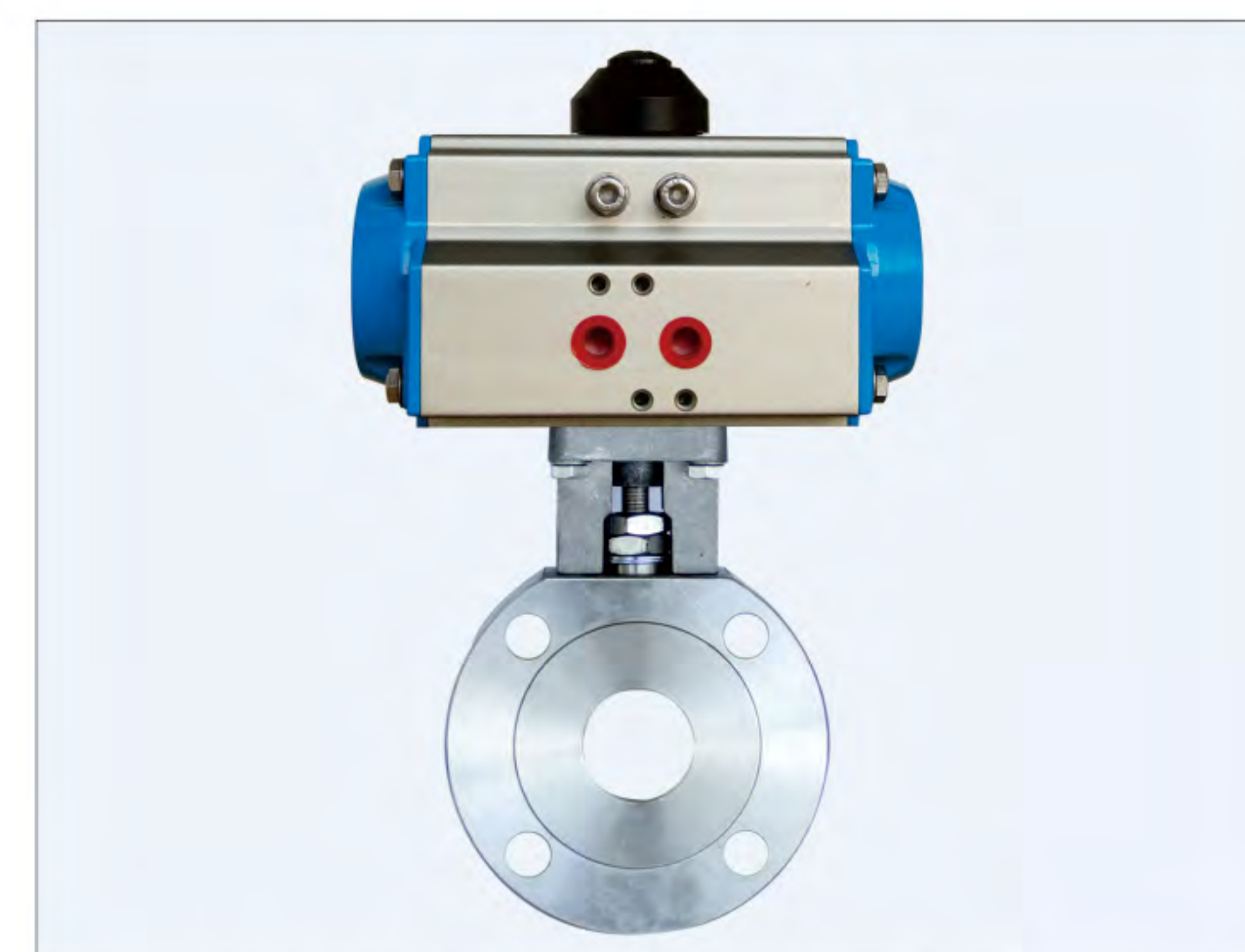
manual 3-piece high pressure ball valve



manual butt welded ball valve



wafer thin type ball valve



pneumatic hard seal ball valve



Normal Material Selection

Part	Material
valve body	gray cast iron ductile cast iron carbon steel stainless steel
valve disc	Ni Al alloy ductile cast iron SS 304 SS 316 Duplex stainless steel Super austenitic stainless steel Hastelloy alloy
valve stem	SS 410 SS 304 SS 316 SS 630
valve seat	NBR EPDM PTFE VITON FKM Silicone rubber

Completely insulated with the medium

low torque, high pressure resistance, pressure beared with two sides, the fluid totally insulated with the valve body and shaft; no plug between the valve disc with the valve shaft, convenient to maintain and replace, and imbedded with special anti-stuck self-lubricating bearing inside the shaft so as to end the problem that the normal butterfly valve is not able to be closed.

International compatibility

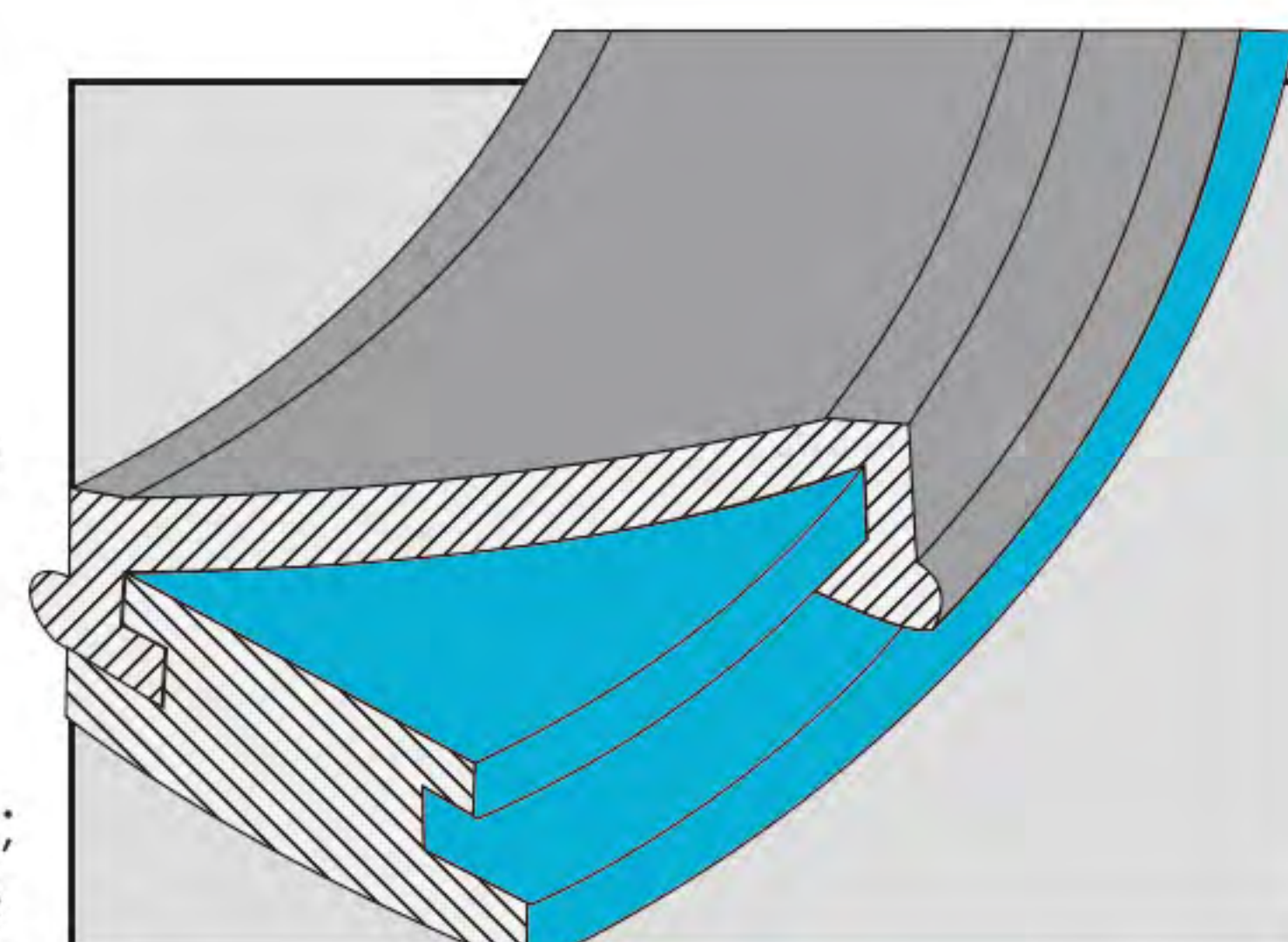
An flange is mounted on the top of the valve which conform to the ISO5211 standard. The manual operation mechanism or automatic actuators can be installed with it directly. All of the valve can be mounted with extended valve neck according to the working conditions to meet the requirement for low temperature or high temperature.

Mounting platform for upright type

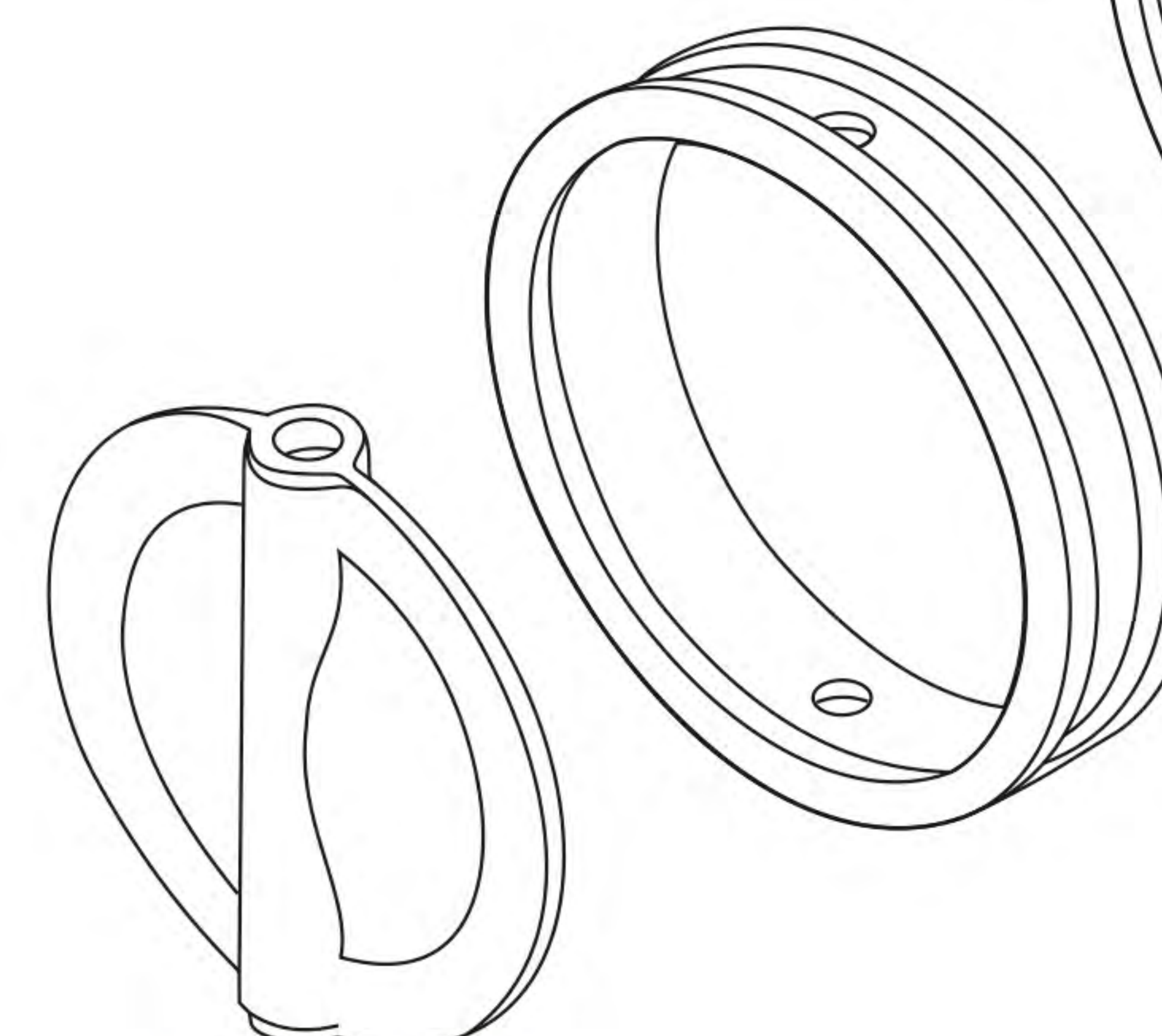
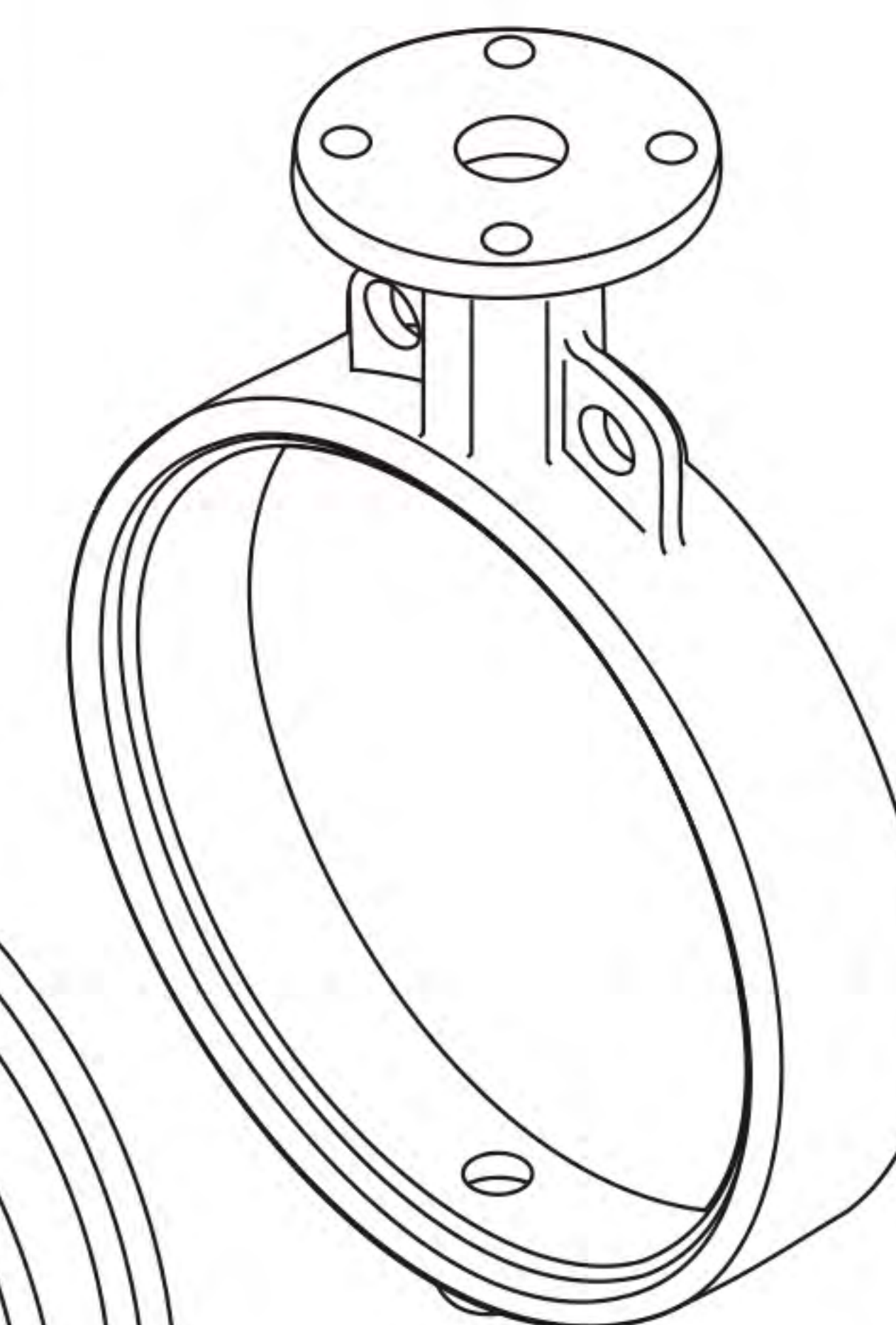
because of standardization design, all of the actuators including handle, gear, pneumatic and electric ones can be connected with this series flange butterfly valves without additional support. Easy to be mounted on site and reducing the error and height.

Diversified customization

This series of butterfly valves can be customized according to the requirement of the customer. The coating of the valve can be customized as per the requirement of the customer. We can provide coating materials used for any working conditions, such as anti-corrosive nylon coating, seawater proof coating and so on; The valve disc and body can be polished to sanitary grade which is used for pharmaceuticals and food industry. Valves can be degreased at varying degrees.



tongue socket valve seat



Heat resistance level for the valve seat:

EPDM:-29℃-+121℃

FKM:-18℃-204℃

NBR:-18℃-100℃

Polyurethane:-29℃-80℃

EPDM(treated with hydrogen peroxide):

EPDM is the abbreviation of Ethylene Propylene Diene Monomer. In the field of industry, EPDM has also other names, such as EPT, NOREL, ECD and EPR. EPDM is standard material for valve seat which is widely used and economical. And it is much more popular than BUNA-N. Besides, the EPDM we provided is sanitary which can be used in the sanitary field and standard industry field.

NBR(black and white color):

NBR which is the polymeride of acrylonitrile and butanedinitrile with good oil resistance performance is very suitable for the field including hydrocarbon compounds and also widely used in the food and Pharmaceuticals industry. Furthermore, most of the O ring of the butterfly valve stem is made of NBR.

FKM:

FKM is the alternative name of fluorinated hydrocarbon elastomers (the VITON produced by DUPONT just belongs to this type). The FKM has some outstanding performance, such as acid resistance, oil resistance and heat resistance which is much better than the standard valve seat material.

Polyurethane:

The valve seat made of carbamate is much wearable and widely used in many fields.

The carbamate has much better force resistance, recovery after deformation and anti-abrasion performance than other rubbers, such as EPDM, NBR, ETC.

The seat material is selected according to the valve size and series. Welcome to contact us for more details.



Temperature level of the valve seat:

PTFE wrapped with EPDM(standard type):-29°-121°

PTFE wrapped with EPDM(high temperature type):-29°-150°

pure PTFE&conductive PTFE:-18°-200°

UHMWPE(supra polymer):-18°-85°

PTFE wrapped EPDM(standard tem. Or high tem.):

The seat made of PTFE wrapped with EPDM is composed of a seat side with wrapped material whose passage material is PTFE and rubber back made of EPDM. Only the face of the PTFE material is contacted with the joint of the pipe. And the back component made of EPDM is used for supporting the PTFE material as a plastic part.

Pure PTFE:

All of the PTFE seat and wrapped valve disc is made of pure PTFE which thickness is 3mm, specific gravity is 2.16 and crystallization ratio is 68%.

The PTFE have outstanding chemical, high temperature and tear strength performance. The PTFE that is treated with sintering has lower permeability than the material (like PFA) treated with melt. This performance provides better protection for the pipe medium anti-leakage.

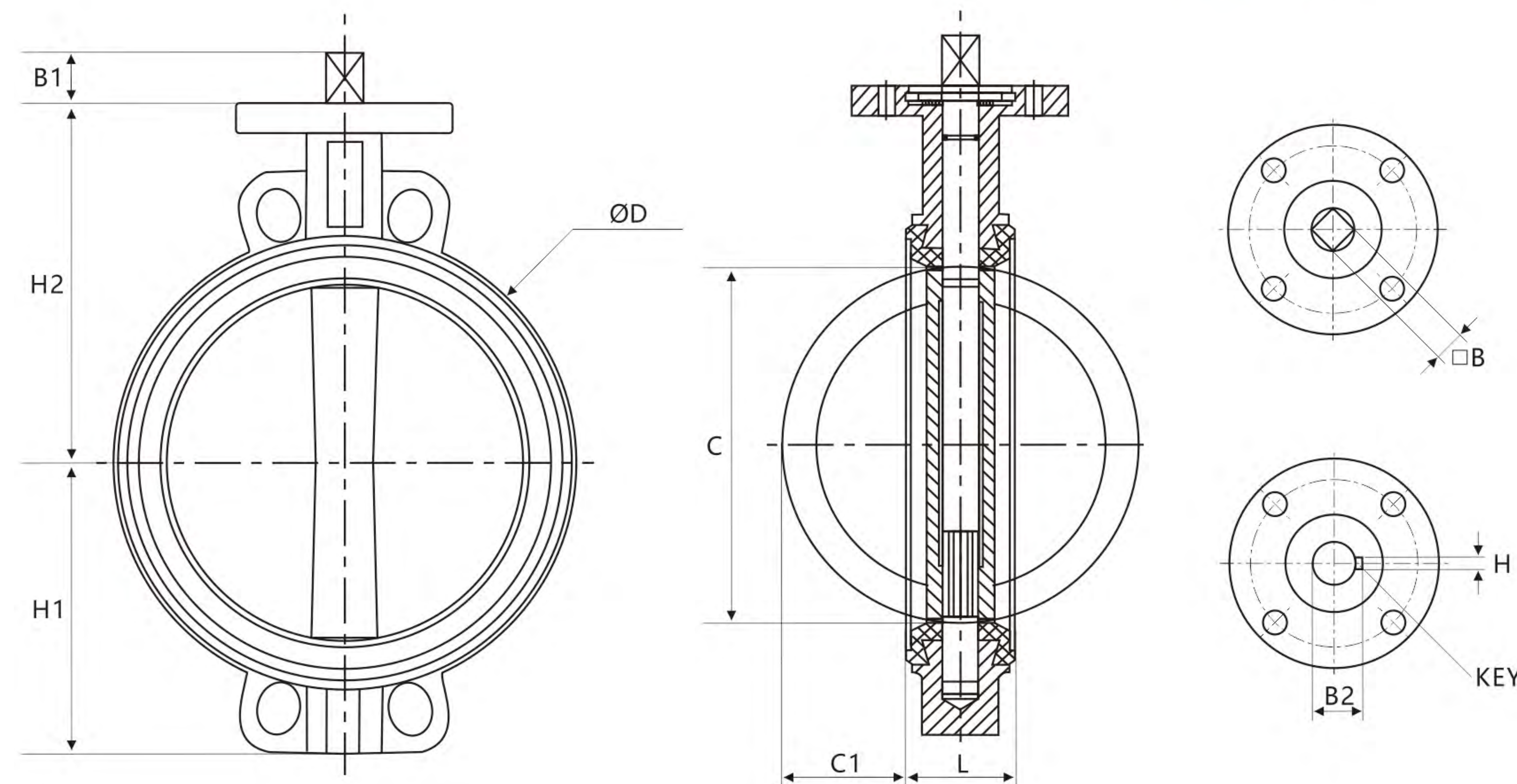
Conductive PTFE:

The conductive PTFE seat and disc is very important for the area which is required for explosion proof protection. This material can prevent the harmful static being emitted. In order to realize safety and reliability, we provide PTFE material that has protection function to the static and anti-corrosion function to chemicals. The min thickness for the PTFE valve seat and disc is 3mm and provides max anti-leaking protection.

UHMWPE:

The valve seat and disc made of UHMWPE has very good chemical performance and is a perfect option for the high abrasive chemical environment. The natural property can prevent the particles in the pipe being harmful to the valve seat face. This material is the best choice for the valve seat used in the chemical environment.

The seat material is selected according to the valve size and series. Welcome to contact us for more details.



Product Parameters:

Connection type:wafer

Valve body wall thickness:AWWA C504,ASME B 16.34

Top flange:ISO5211

Design standard:ISO5208,AWWA C504,ASME B16.34

Face to face:API 609,ISO 5752

Leakage class:RATE A EN 12266-2(zero leakage)
Flange marking system:MSS-SP-25

Pressure test:ISO 5208

Valve body material:cast iron,carbon steel,stainless steel,duplex steel.

Valve stem material:stainless steel

Valve seat material:EPDM,NBR,PTFE,FKM,Silicone Rubber

Drive:handle,handwheel,electric,pneumatic

Application scope:city water supply,waste water,buildings,food,textile,power,shipping,energy,etc.

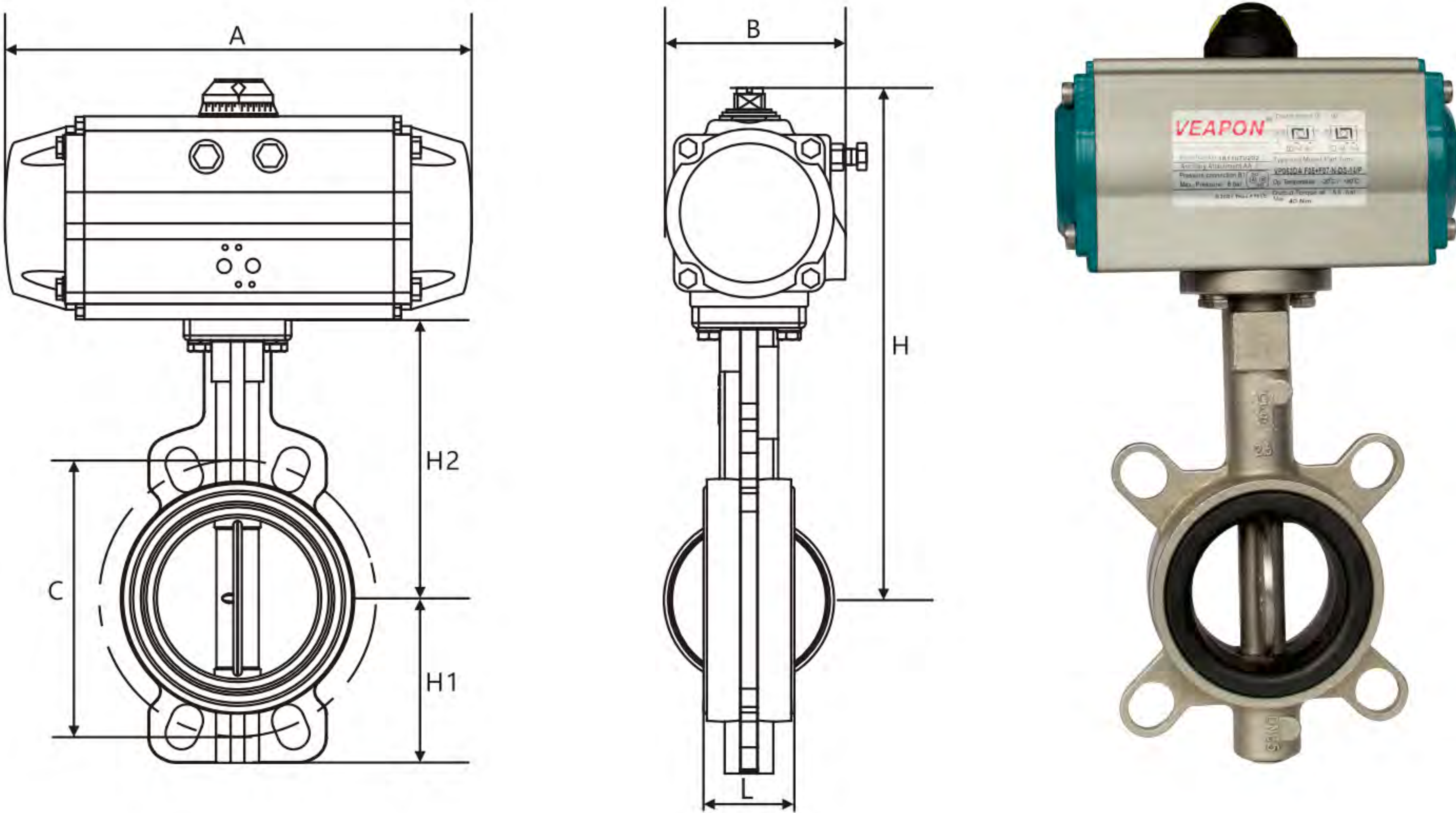
*Anti-condensation valve can be customized according to the requirement of the customer.

Product Dimensions

Product Dimensions														Unit:mm	
mm	inch	L	H1	H2	ØD	C	C1	ISO5211		ØB	B1	B2	Key	□B	KG
								Type	PCD						
40	1.5	33	60	120	81	34	7	F07	70	14	19	-	-	11	2
50	2	43	65	143	96	39	8	F07	70	14	19	-	-	11	3
65	2.5	46	71	155	110	55	13	F07	70	14	19	-	-	11	3.8
80	3	46	77	162	124	69	19	F07	70	14	19	-	-	11	4
100	4	52	107	181	148	91	27	F07	70	14	19	-	-	11	5.3
125	5	56	122	197	180	115	36	F07	70	18	19	-	-	14	7.3
150	6	56	150	210	206	140	47	F07	70	18	19	-	-	14	8.2
200	8	60	165	240	259	186	68	F10	102	22	24	-	-	17	13.5
250	10	68	201	286	320	239	90	F10	102	25	24	-	-	19	21.2
300	12	78	234	309	370	289	111	F10	102	28	24	-	-	22	32.5
350	14	78	303	329	412	325	128	F12/F14	125/140	35	29	-	-	27	48
400	16	102	335	361	475	375	143	F12/F14	125/140	35	29	-	-	27	60
450	18	114	363	393	530	423	162	F14/F16	140/165	48	38	-	-	36	80
500	20	127	397	427	585	473	182	F14/F16	140/165	48	38	-	-	36	125
550	22	154	426	475	635	507	186	F14/F16	140/165	48	38	-	-	36	130
600	24	154	459	492	687	560	214	F16	165	60	48	-	-	46	200
650	26	165	511	515	712	607	232	F16	165	65	90	69.5	18*12		194
700	28	165	563	563	790	655	255	F16	165	75	90	79.2	20*12		249
750	30	190	585	585	846	692	264	F25	254	75	110	79.2	20*12		316
800	32	190	630	630	870	736	285	F25	254	80	110	87.5	24*16		365
900	36	203	660	660	972	841	331	F25	254	85	110	92.5	24*16		424
1000	40	216	749	749	1090	941	375	F30	298	100	155	105.3	28*16		648

Outline Dimensions of Pneumatic Center-line Butterfly Valve

Acting type:pneumatic double acting/pneumatic spring return
Optional accessories:battery reversing valve,signal feedback device,filter regulating valve,locator

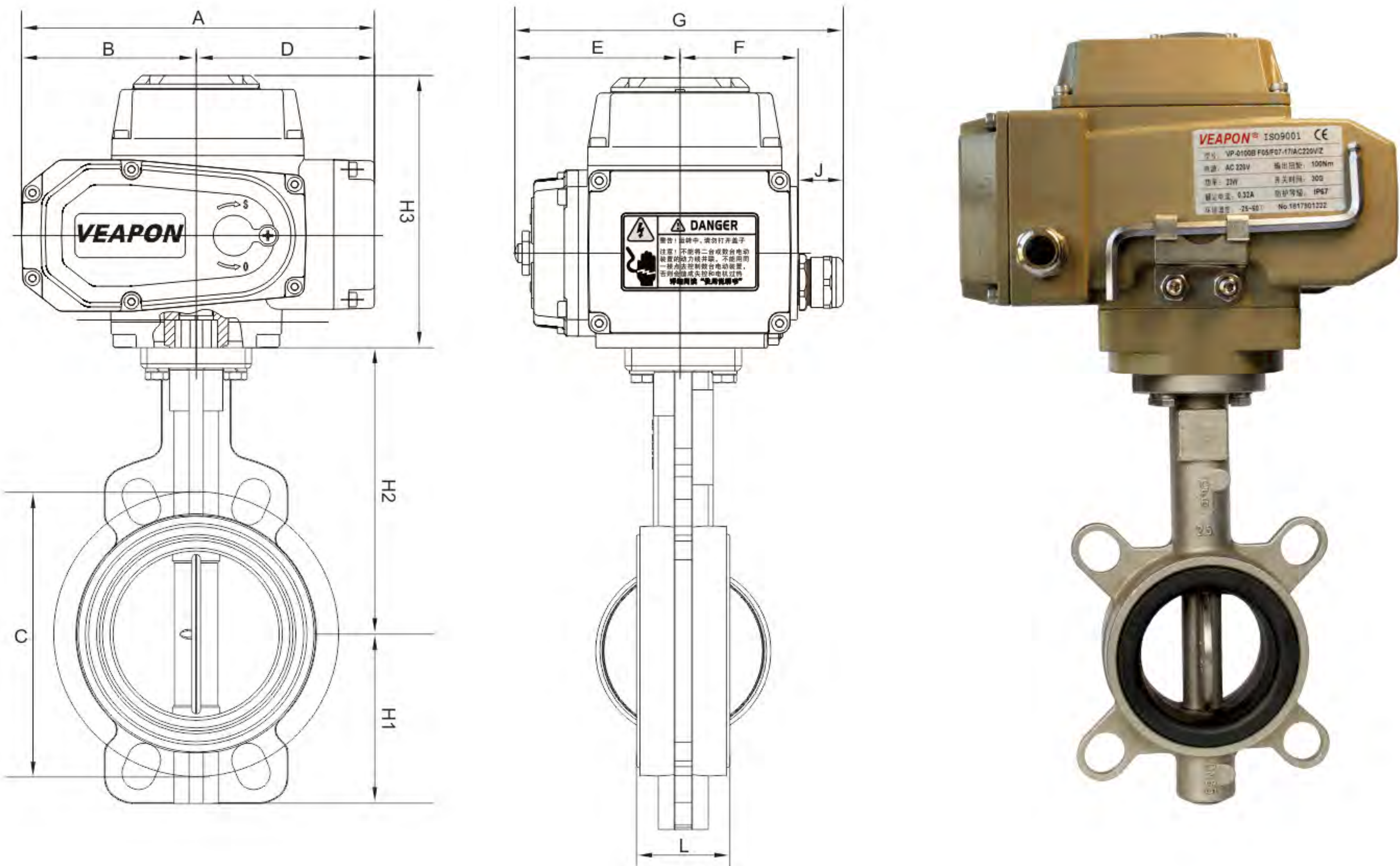


Product Dimensions Unit:mm

SIZE		A	B	C		L	H	H1	H2
mm	inch			PN10	PN16				
DN40	1.5"	143	69.5	110	110	33	188	60	120
DN50	2"	162	82	125	125	43	227	65	143
DN65	2.5"	162	82	145	145	46	239	71	155
DN80	3"	212	93.5	160	160	46	262	77	162
DN100	4"	212	93.5	180	180	52	281	107	181
DN125	5"	248	105	210	210	56	312	122	197
DN150	6"	270	123	240	240	56	336	150	210
DN200	8"	345	151	295	295	60	397	165	240
DN250	10"	408	171	350	355	68	464	201	286
DN300	12"	440	188	400	410	78	505	234	309
DN350	14"	530	217	460	470	78	562	303	329
DN400	16"	592	237	515	525	102	616	335	361
DN450	18"	670	260	565	585	114	685	363	393
DN500	20"	723	294	620	650	127	759	397	427

Outline dimensions of electric center-line butterfly valve

Control type:on-pff type(active feedback/passive feedback),intelligent regulation type(4-20mA input/output)
Working pressure:AC220V/AC380V/DC24V
Connection standard:DIN/ISO5211

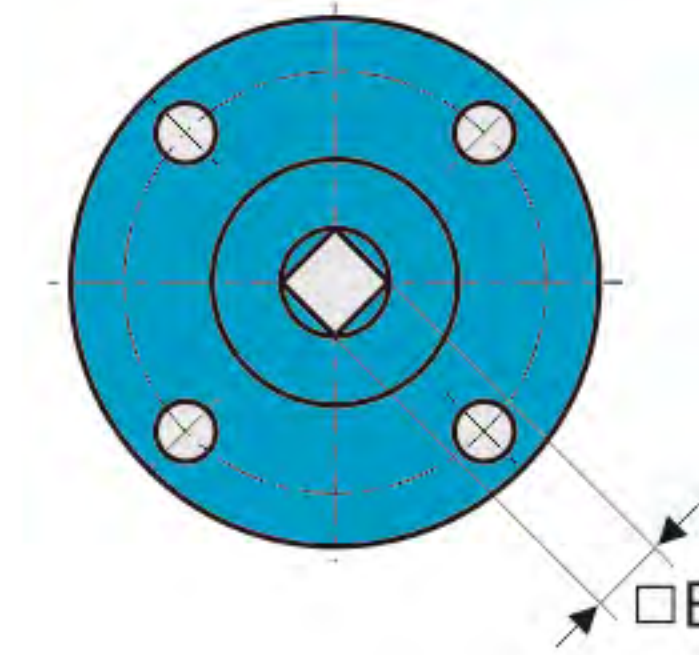
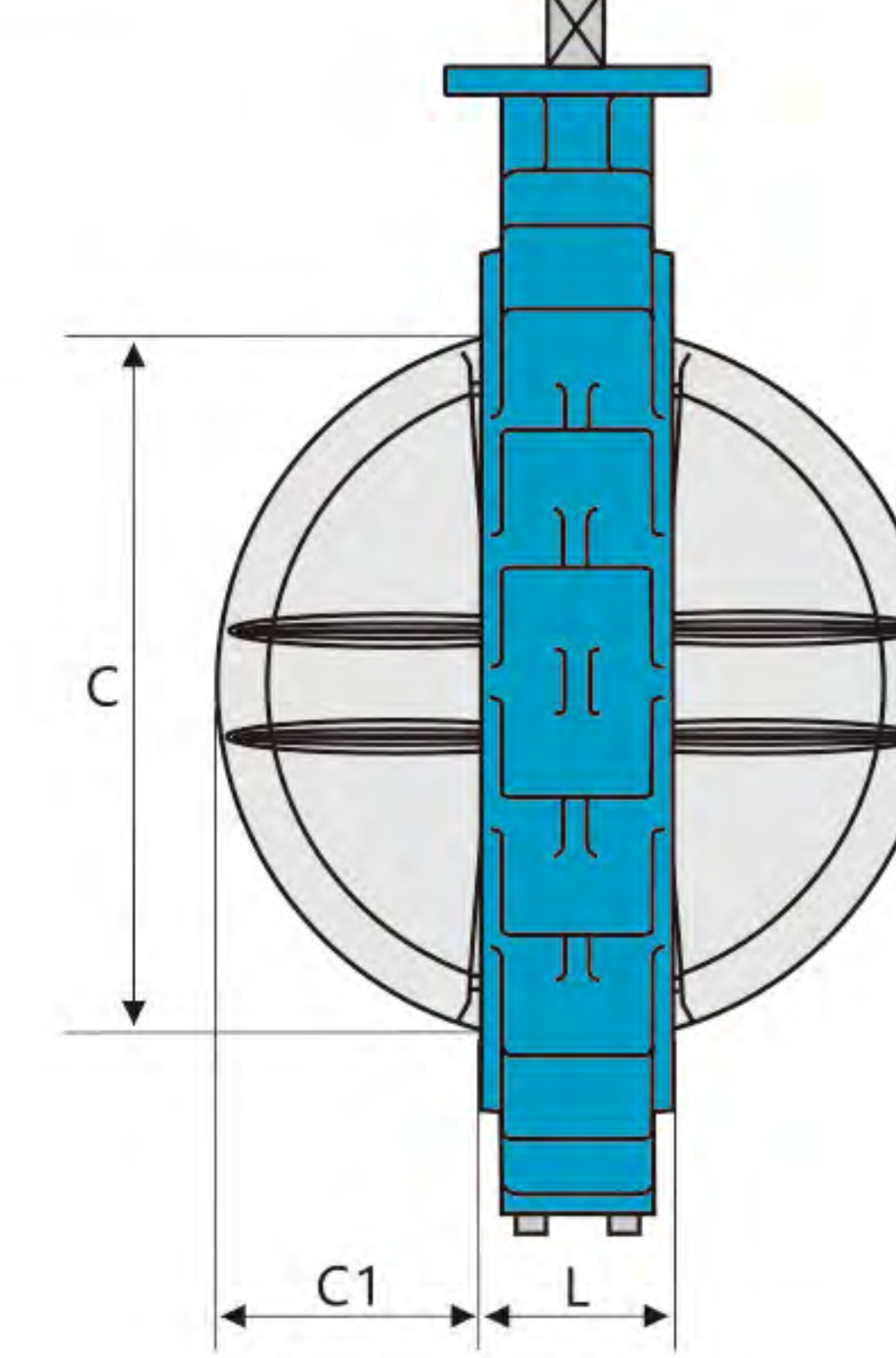
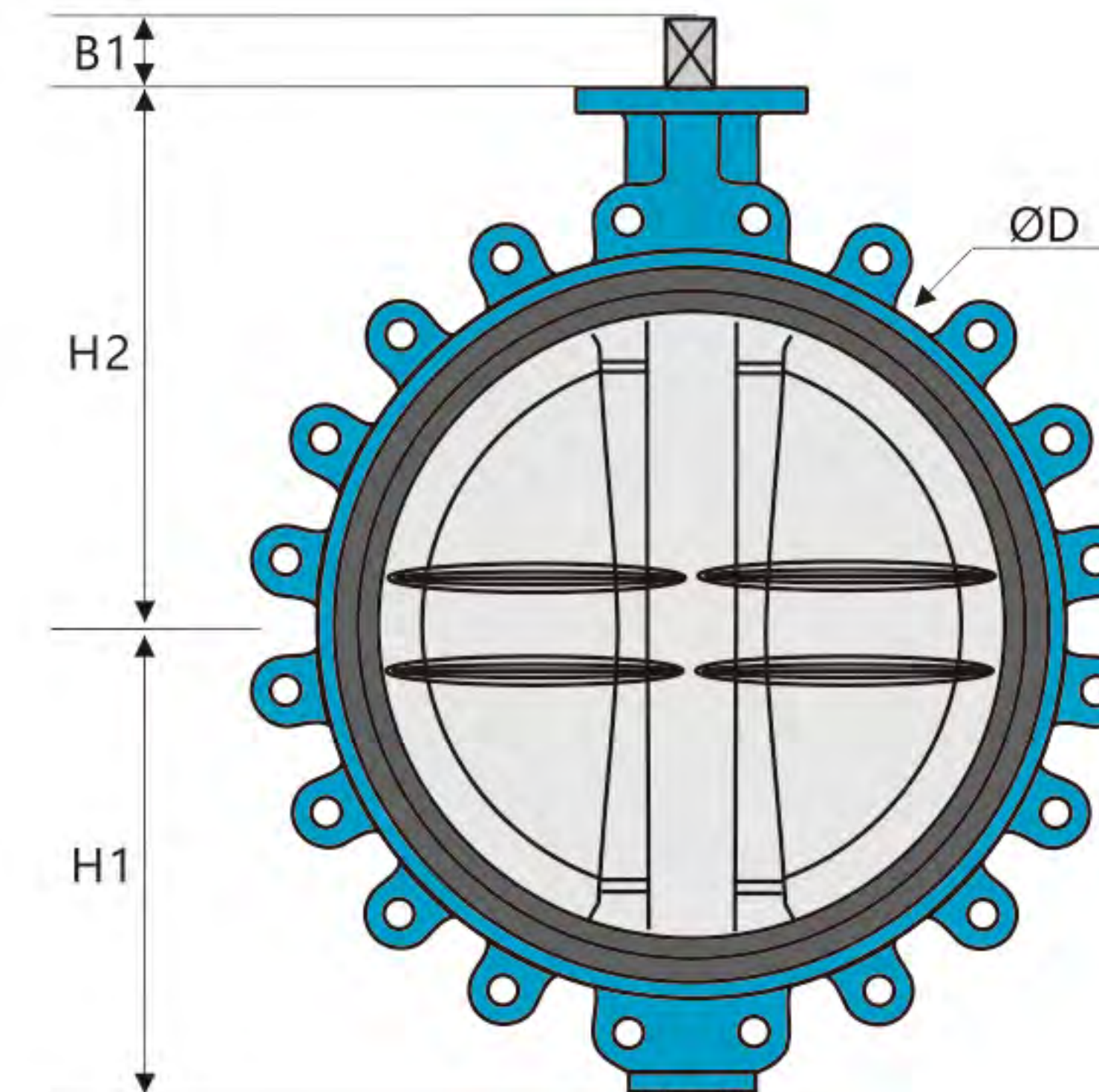
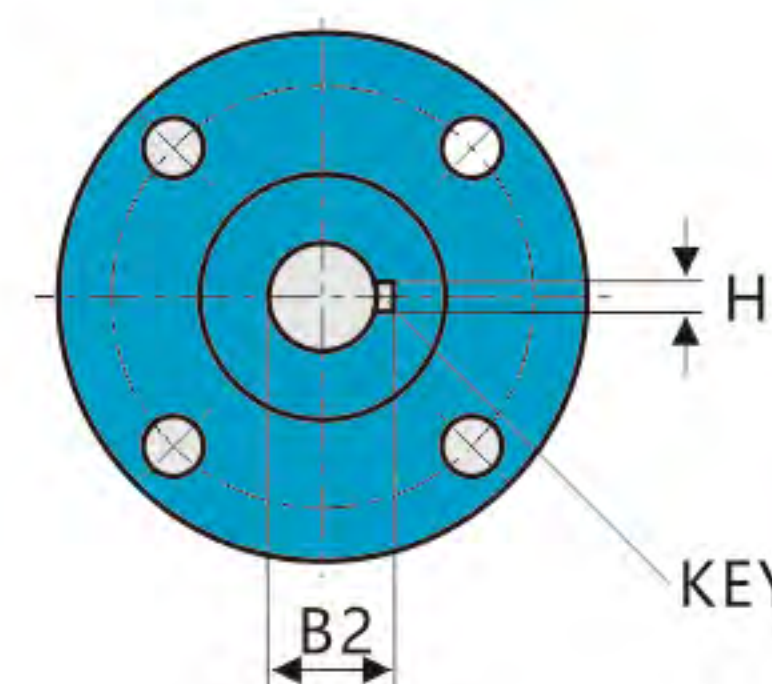
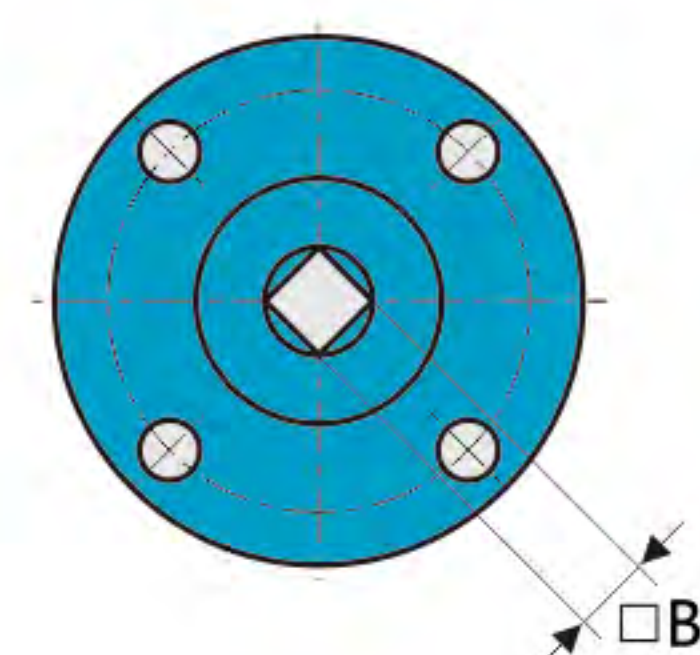
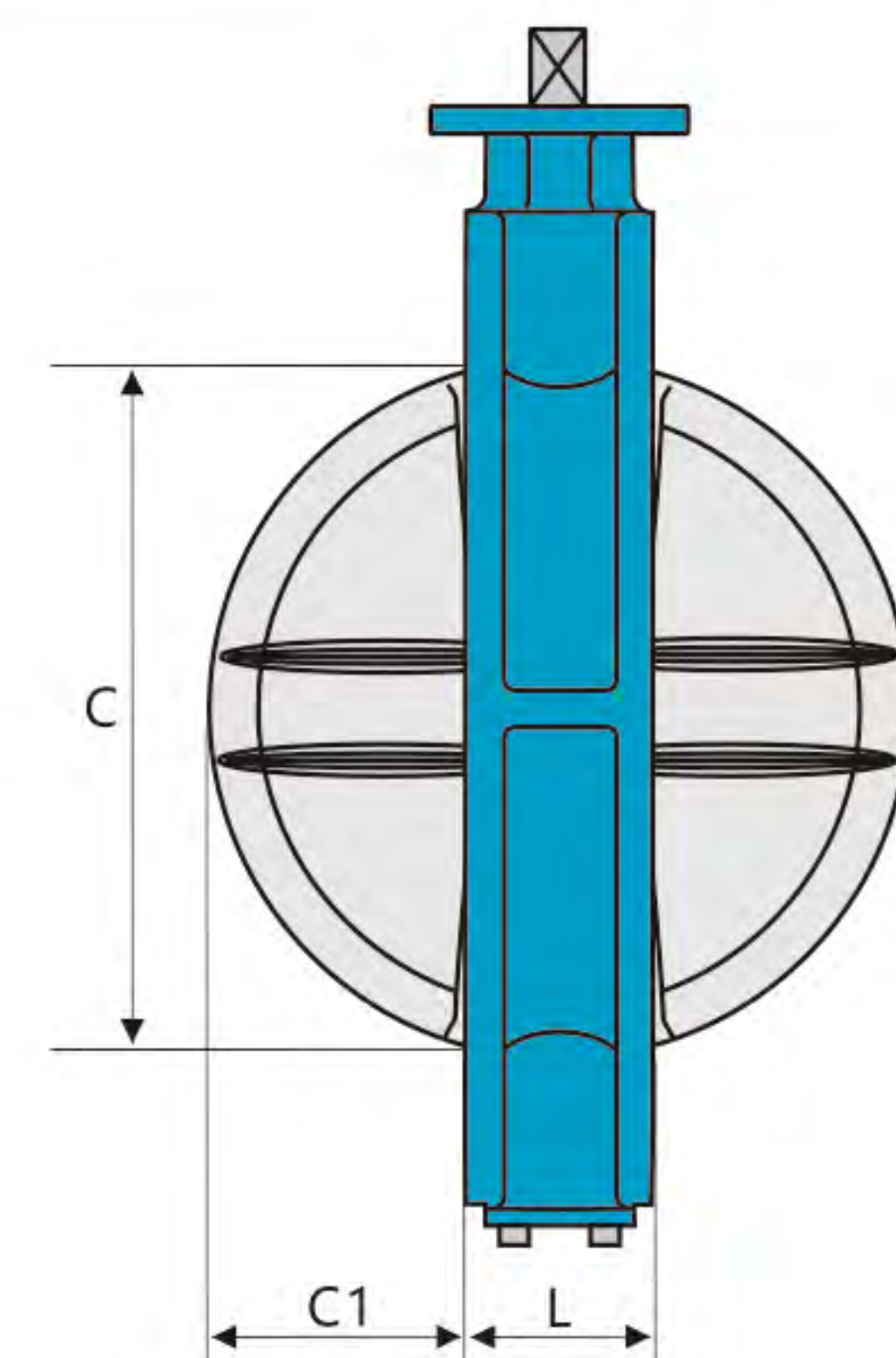
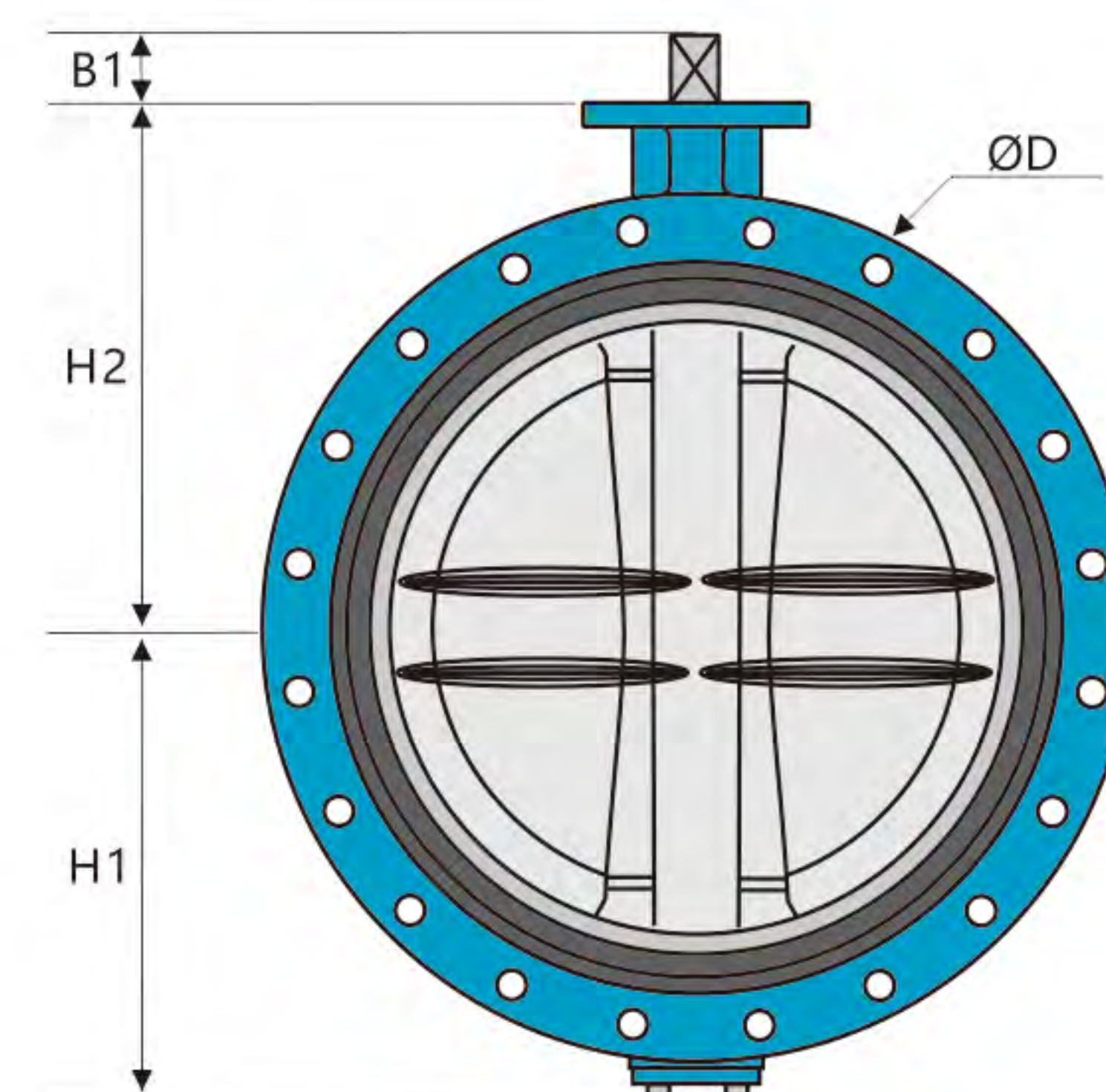


Product Dimensions Unit:mm

SIZE		A	B	C	D	E	F	J	L	G	H1	H2	H3
mm	inch												
DN40	1.5"	165	82	110	83	70	50.5	20	33	140.5	60	120	137.5
DN50	2"	165	82	125	83	70	50.5	20	43	140.5	65	143	137.5
DN65	2.5"	165	82	145	83	70	50.5	20	46	140.5	71	155	137.5
DN80	3"	165	82	160	83	70	50.5	20	46	140.5	77	162	137.5
DN100	4"	211.5	97.5	180	114	77	57	20	52	154	107	181	168.5
DN125	5"	211.5	97.5	210	114	77	57	20	56	154	122	197	168.5
DN150	6"	259	124	240	135	103	63	20	56	186	150	210	203
DN200	8"	259	124	295	135	103	63	20	60	186	165	240	203
DN250	10"	259	124	350	135	103	63	20	68	186	201	286	203
DN300	12"	259	124	400	135	103	63	20	78	186	234	309	203
DN350	14"	283.5	129.6	460	154	107.5	65.5	20	78	193	303	329	229.5
DN400	16"	283.5	129.6	515	154	107.5	65.5	20	102	193	335	361	229.5



Butterfly Valve Center-line Butterfly Valve



Product Dimensions

Unit:mm

mm	inch	L	H1	H2	ØD	C	C1	ISO5211 Type PCD	ØB	B1	B2	Key	□B	KG
350	14	78	303	329	535	325	128	F12/F14 125/140	35	29	-	-	27	69
400	16	102	335	361	600	375	143	F12/F14 125/140	35	29	-	-	27	95
450	18	114	363	393	648	423	162	F14/F16 140/165	48	38	-	-	36	129
500	20	127	397	427	715	473	182	F14/F16 140/165	48	38	-	-	36	161
550	22	154	426	475	762	506	188	F14/F16 140/165	48	38	-	-	36	191
600	24	154	459	492	840	560	214	F16 165	60	48	-	-	46	248
650	26	165	489	515	870	607	232	F16 165	65	90	69.5	18*12	-	294
700	28	165	511	563	927	655	255	F16 165	75	90	79.2	20*12	-	329
750	30	190	544	585	997	692	264	F25 254	75	110	79.2	20*12	-	431
800	32	190	592	630	1060	736	285	F26 254	80	110	87.5	24*16	-	507
900	36	203	632	660	1170	841	331	F27 254	85	110	92.5	24*16	-	621
950	38	216	682	729	1238	889	350	F28 254	95	110	100.3	28*16	-	750
1000	40	216	698	749	1289	941	375	F30 298	100	155	105.3	28*16	-	810
1050	42	216	761	813	1403	979	393	F30 298	100	155	105.3	28*16	-	859
1100	44	216	768	814	1403	1026	416	F30 298	110	180	116.3	32*18	-	931
1200	48	254	814	870	1511	1132	453	F30 298	110	180	116.3	32*18	-	1161

Product Dimensions

Unit:mm

mm	inch	L	H1	H2	ØD	C	C1	ISO5211 Type PCD	ØB	B1	□B	KG
40	1.5	33	60	120	81	34	7	F07 70	14	19	11	2.2
50	2	43	65	143	96	39	8	F07 70	14	19	11	3.4
65	2.5	46	71	155	110	55	13	F07 70	14	19	11	4
80	3	46	77	162	124	69	19	F07 70	14	19	11	4.5
100	4	52	89	181	148	91	27	F07 70	14	19	11	7.6
125	5	56	112	197	180	115	36	F07 70	18	19	14	9.5
150	6	56	123	210	206	140	47	F07 70	18	19	14	1.4
200	8	60	150	240	259	186	68	F10 102	22	24	17	17.5
250	10	68	179	286	320	239	90	F10 102	25	24	19	26.5
250	10	68	179	286	320	239	90	F10 102	25	24	19	26.5
300	12	78	216	309	370	289	111	F10 102	28	24	22	43.5
350	14	78	303	329	412	325	128	F12/F14 125/140	35	29	27	58
400	16	102	335	361	475	375	143	F12/F14 125/140	35	29	27	81
450	18	114	363	393	530	423	162	F14/F16 140/165	48	38	36	110
500	20	127	397	527	585	473	182	F14/F16 140/165	48	38	36	155
600	24	154	459	492	687	560	214	F16 165	60	48	46	318





Double eccentric butterfly valve

High frequency opening/closing & High performance

Self-sealing structure, bearing pressure with two sides

With special floating valve seat, the valve seat positions can be automatically regulated according to the pressure directions which makes the valve have perfect sealing-pressure ratio when the valve is fully opened and get the effect of bearing pressure with two sides. This structure can make the valve service life reaching to millions times.

High performance, low torque

The valve is double eccentric which reduces the friction between valve body and valve disc so as to lengthened the service life of the valve seat and to operate the valve with lowest torque.

The replacement of the valve seat is very simple. We can disassemble the sealing ring easily and replace the valve seat simply.

In order to control the inflammable medium in the petroleum, chemical industry, our valves have fire-proof design which has leading performance and longer service life and conforms to the international standard on fire-proof test, including the safety requirement before and after the fire alarm.

Size: 2"-24" (50mm-600mm)

Valve body structure: wafer, flange, lug

Temperature: -29°-+500°

Pressure: ISO PN10 to Pn50;
ANSI CLASS 150LB TO CLASS 300LB

Drive: handle, handwheel, pneumatic,
electric, hydraulic

Leakage class: zero leakage

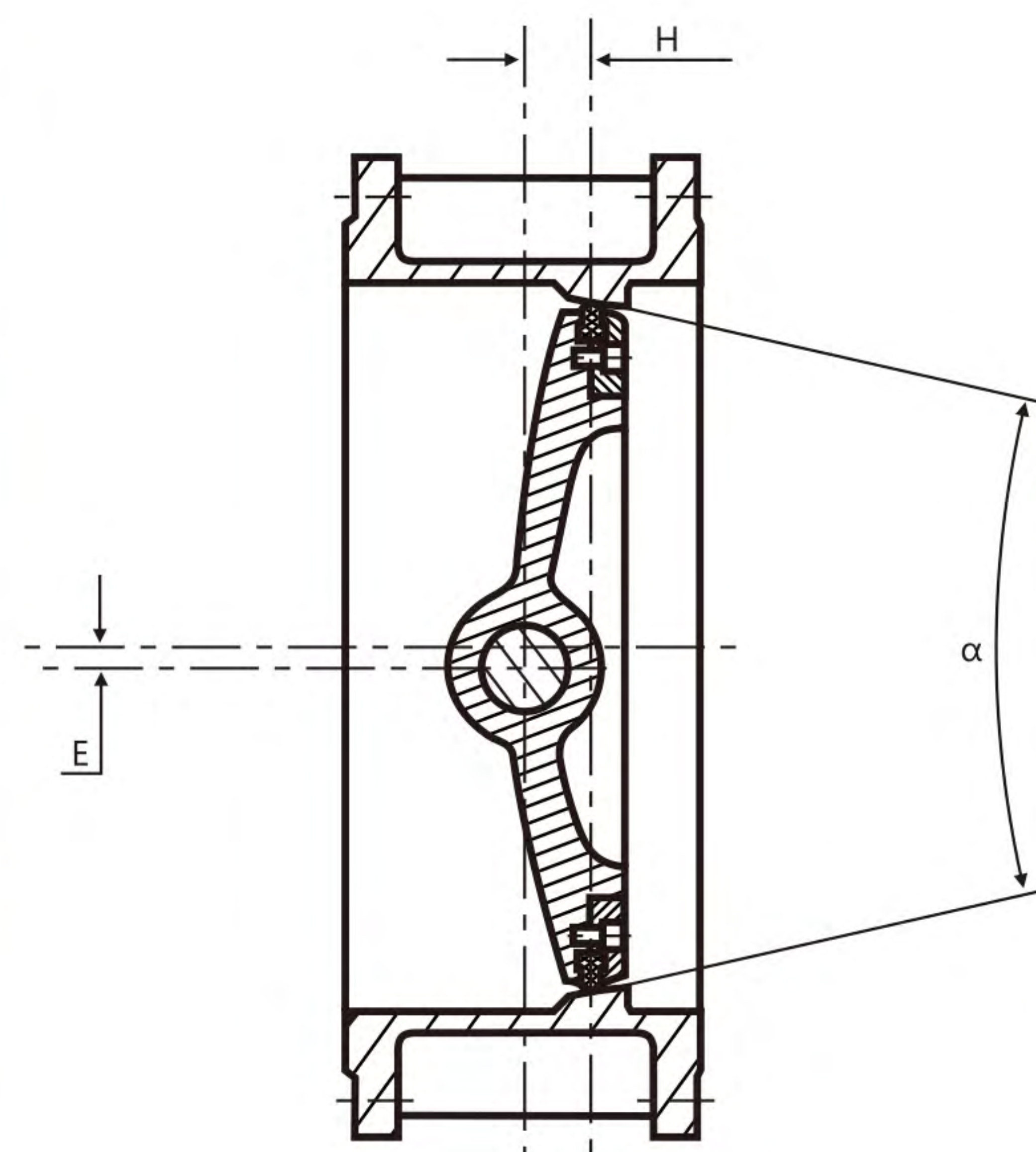
Valve body material: WCB, CF8, CF8M, CF3M

Valve disc material: CF8, CF8M, CF3M

Valve stem material: F304, F316, 17-4PH, XM-19

Valve seat material: PTFE, RPTFE, PEEK, POM,
multilayer 321 stainless steel/graphite

Application: high temperature, high frequency,
strong corrosive etc. rigorous working conditions



Double eccentric butterfly valve feature:

1. passing AIL3 certificate, conforming to IEC 61508-1 standard, passing TÜV and ISO90041 certificate.
2. passing PED Module H pressure equipment vessel verification.
3. The strength of the valve body conforms to API 598 and ASME B16.34.
4. The whole series have electrostatic guidance device structure and conform to explosive-proof certificate: ATEX94/9/CE Group II Category 2 GD.
5. Dissipation level conforms to ANSI/ISA-SP-93 valve dissipation standard.
6. metal valve seat leakage class conforms to ANSI FCI 70-2-2006 Table 1 class V.
7. passing TSG D7002 special equipment test (pressure pipe fittings)
8. The third side conforms to ISO 5211 connection interface requirement, convenient for the operator to match and high/low temperature lengthened pipe to use.
9. Adapter structure patent for all series.

Design of geometric shape

Eccentric 1: Axis of Valve Shaft to Seal Center Line H

Eccentric 2: Axis of Valve Shaft to Axis of pipe E

Cone angle α: sealing face of valve seat to cone angle α

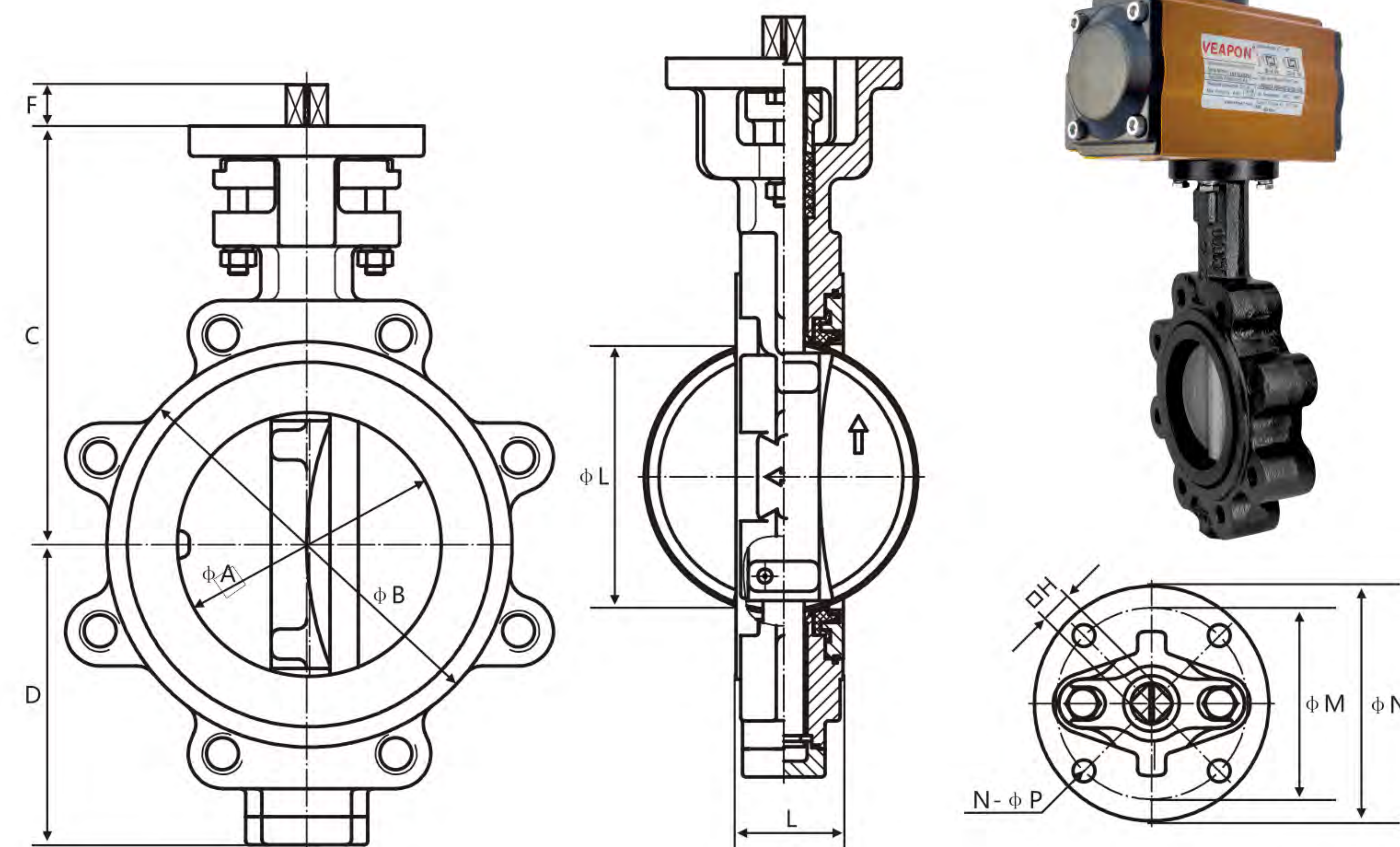
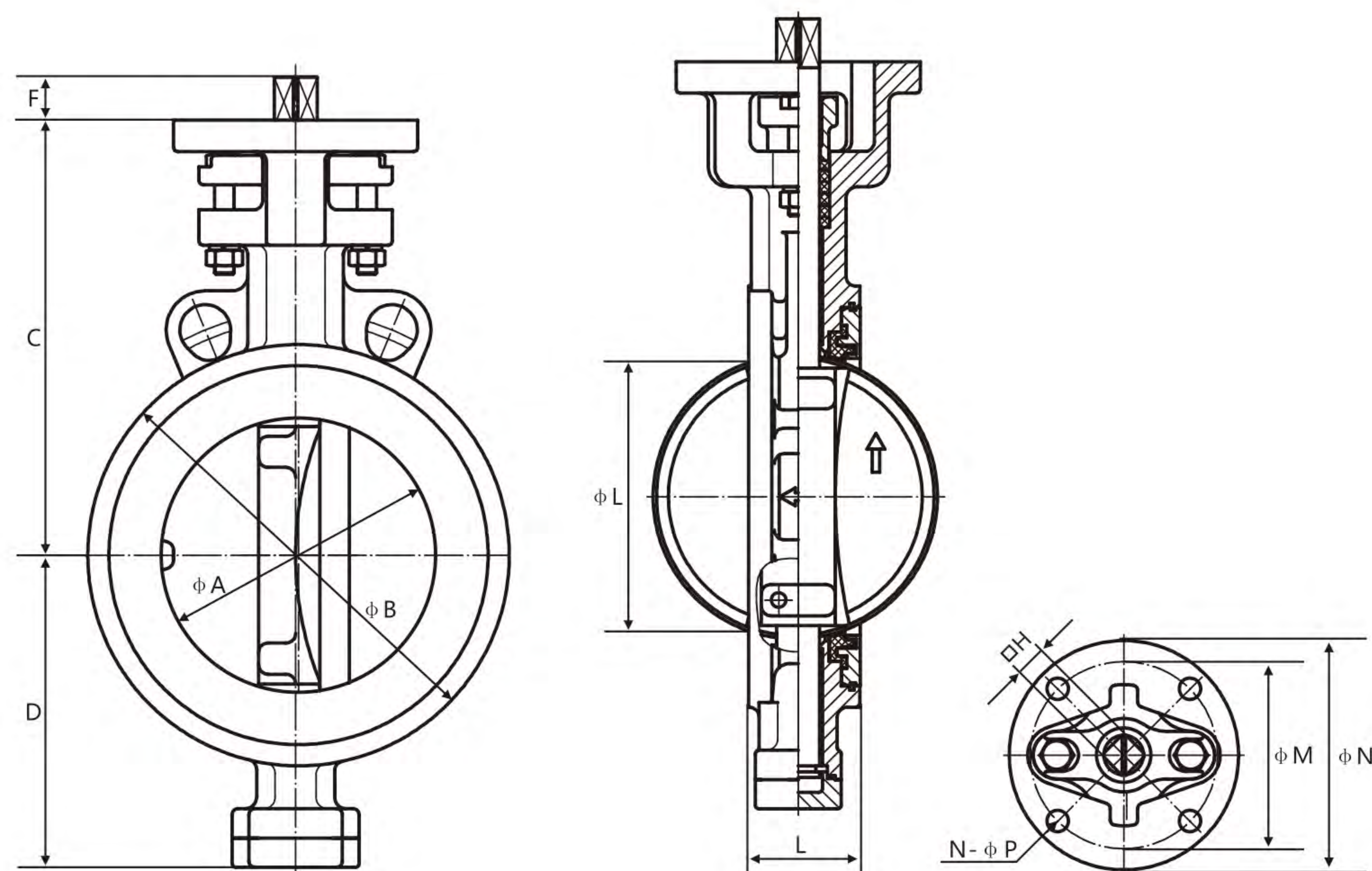


Special seat Adapter design

1. With larger sealing space.
2. Complete sealing between the adapter and the valve body.
3. Floating adapter design so that the valve seat can work normally even if the valve is stocked under fully-closing conditions for long time.
4. If the adapter is needed to install on the end of the pipeline, it should be installed on the flange of the pipe (the adapter face is closely clinging to the pipe flange face) so as to get the effect of complete sealing.

The design of other company

1. for most of the other brand, the extension of the adapter is close to the pipe flange length so as to most of the sealing is relying on the flange washer to avoid leaking.
2. For most of the other design, fastened nut is added on the adapter which will lower the flange washer sealing when fastened with the pipe.
3. Because of the adapter is locked on the valve body, when the valve is stocked for long period, the valve seat is pressed chronically so as to lose elasticity and result in leaking when it is running.



Product Dimensions

Unit:mm

DN	inch	ϕA	ϕB	C	D	L	F	ϕL	$\square H$	ϕM	ϕN	N- ϕP	ISO5211
50	2"	47	102	140	98	43	16	46	11	70	90	4*9	F07
65	2.5"	64	122	152	106	46	16	59	11	70	90	4*9	F07
80	3"	76	133	165	113	46	16	76	11	70	90	4*9	F07
100	4"	98	156	185	130	52	20	93	14	70	92	4*9	F07
125	5"	119	188	205	147	56	20	118	14	70	95	4*9	F07
150	6"	140	216	223	161	56	22	139	17	102	125	4*11	F10
200	8"	190	268	268	203	60	25	190	19	102	125	4*11	F10
250	10"	237	323	323	235	68	28	238	22	125	150	4*14	F12
300	12"	280	336	336	268	78	32	281	27	125	150	4*14	F12
350	14"	318	415	415	312	92	38	312	27	140	145	4*18	F14
400	16"	362	470	470	351	102	60	351	27	165	185	4*22	F16
500	20"	467	580	580	409	127	70	409	36	165	185	4*22	F16
600	24"	550	679	679	434	154	80	542	36	165	210	4*22	F16

Product Dimensions

Unit:mm

DN	inch	ϕA	ϕB	C	D	L	F	ϕL	$\square H$	ϕM	ϕN	N- ϕP	ISO5211
50	2"	47	102	140	98	43	16	46	11	70	90	4*9	F07
65	2.5"	64	122	152	106	46	16	59	11	70	90	4*9	F07
80	3"	76	133	165	113	46	16	76	11	70	90	4*9	F07
100	4"	98	156	185	130	52	20	93	14	70	92	4*9	F07
125	5"	119	188	205	147	56	20	118	14	70	95	4*9	F07
150	6"	140	216	223	161	56	22	139	17	102	125	4*11	F10
200	8"	190	268	268	203	60	25	190	19	102	125	4*11	F10
250	10"	237	323	323	235	68	28	238	22	125	150	4*14	F12
300	12"	280	336	336	268	78	32	281	27	125	150	4*14	F12
350	14"	318	415	415	312	92	38	312	27	140	145	4*18	F14
400	16"	362	470	470	351	102	60	351	27	165	185	4*22	F16
500	20"	467	580	580	409	127	70	409	36	165	185	4*22	F16
600	24"	550	679	679	434	154	80	542	36	165	210	4*22	F16



Three-eccentric Butterfly Valve

Valve for high temperature & harsh working conditions

The three-eccentric metal seal butterfly valve is energy saving valve and has long service life. It is designed as per three-dimensional eccentric theory. The seat is adopted of multi-layer structure mixed hard seal with soft seal together or full metal seal which can be used in higher temperature and pressure working conditions. This products is widely used in metallurgy, iron & steel, power, petroleum, chemical, heat supply, air, coal gas, flammable gas, city water supply & drainage to cut off and regulate medium flow.

The three-eccentric butterfly valve as the latest science & technology achievement has all of the advantage and avoids all of the shortage of the other valves. And more over, about this kind of valves, there are many kinds of materials for selection, so they are able to be used in any kind of acid and alkali working conditions. Especially for the large size three-eccentric butterfly valve, because of the advantage of zero leakage, it replaces other heavy and expensive on-off valves slowly and slowly.

Size: 2"-48" (50mm-1200mm)

Valve body structure: wafer, flange, lug

Temperature: -198°C to 850°C

Pressure: ISO PN10 TO Pn50;
ANSI CLASS150LB to class 300LB

Drive: handle, handwheel, pneumatic,
electric, hydraulic

Leakage level: zero

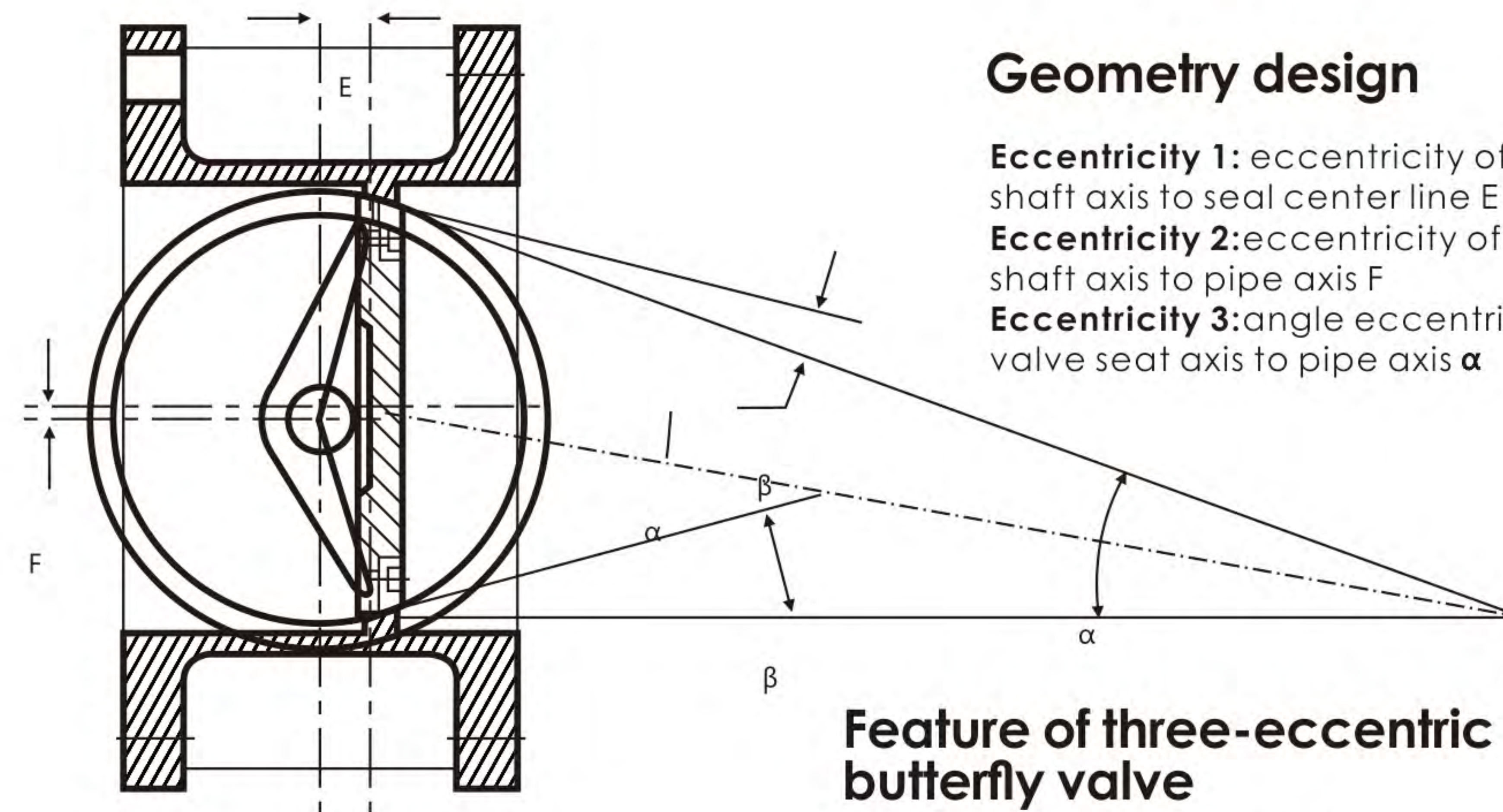
Valve body material: WCB, CF8, CF8M, CF3M

Valve disc: CF8, CF8M, CF3M

Valve stem: F304, F316, 17-4PH, XM-19

Valve seat material: stainless steel, alloy, carbon steel, multi-layer 321 stainless steel/graphite

Application: harsh working conditions of high or low temperature



Geometry design

Eccentricity 1: eccentricity of valve shaft axis to seal center line

Eccentricity 2: eccentricity of valve shaft axis to pipe axis F

Eccentricity 3: angle eccentricity of valve seat axis to pipe axis α

Feature of three-eccentric butterfly valve

① Super-long service life

The valve seat and sealing ring is completely made of metal materials and treated with surface hardening. Although the valve is started up and shut down frequently, the sealing performance is still very good.

② Double direction sealing

The valve can keep good double direction sealing performance from beginning to end and the sealing of the valve does not rely on the medium pressure and can have reliable sealing under both high pressure and low pressure. The test result for the sealing performance conforms to API609, ISO5208.

③ Fire proof design

Fully metal seal, which makes the valve have fire proof performance essentially. And the test result conforms to API607.

④ Valve seat and seal can be replaced on site

The replaceable valve seat and sealing ring makes the maintenance of the valve much easier.

⑤ Conforming to ISO5211 connection standard

The support conforms to ISO5211 standard and can be connected with any of the electric, pneumatic, hydraulic and manual actuating device.

⑥ High performance packing seal

combined packing seal which can guarantee that the maximum leakage of the valve is not more than 20ppm. Dynamic seal can be selected to make the packing seal have longer life and extend the maintenance-free cycle.

⑦ Blow-out proof stem

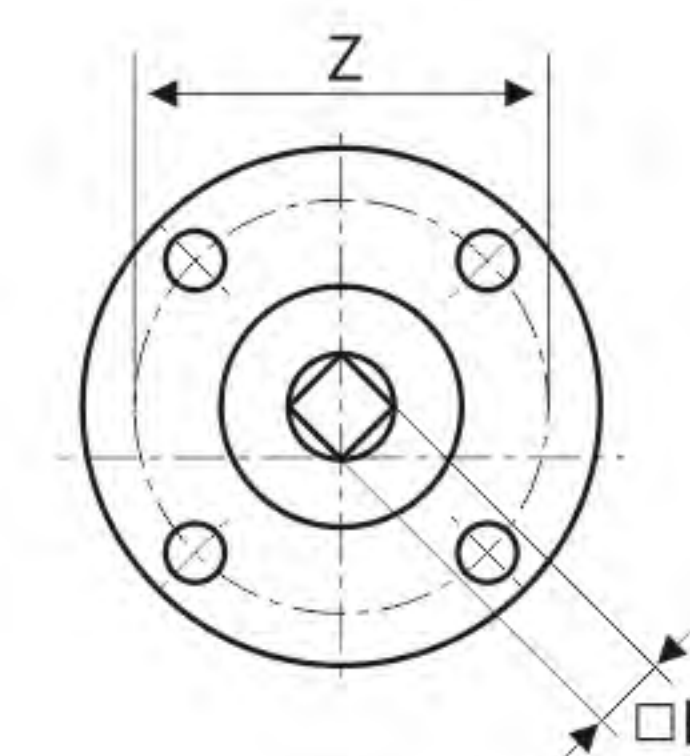
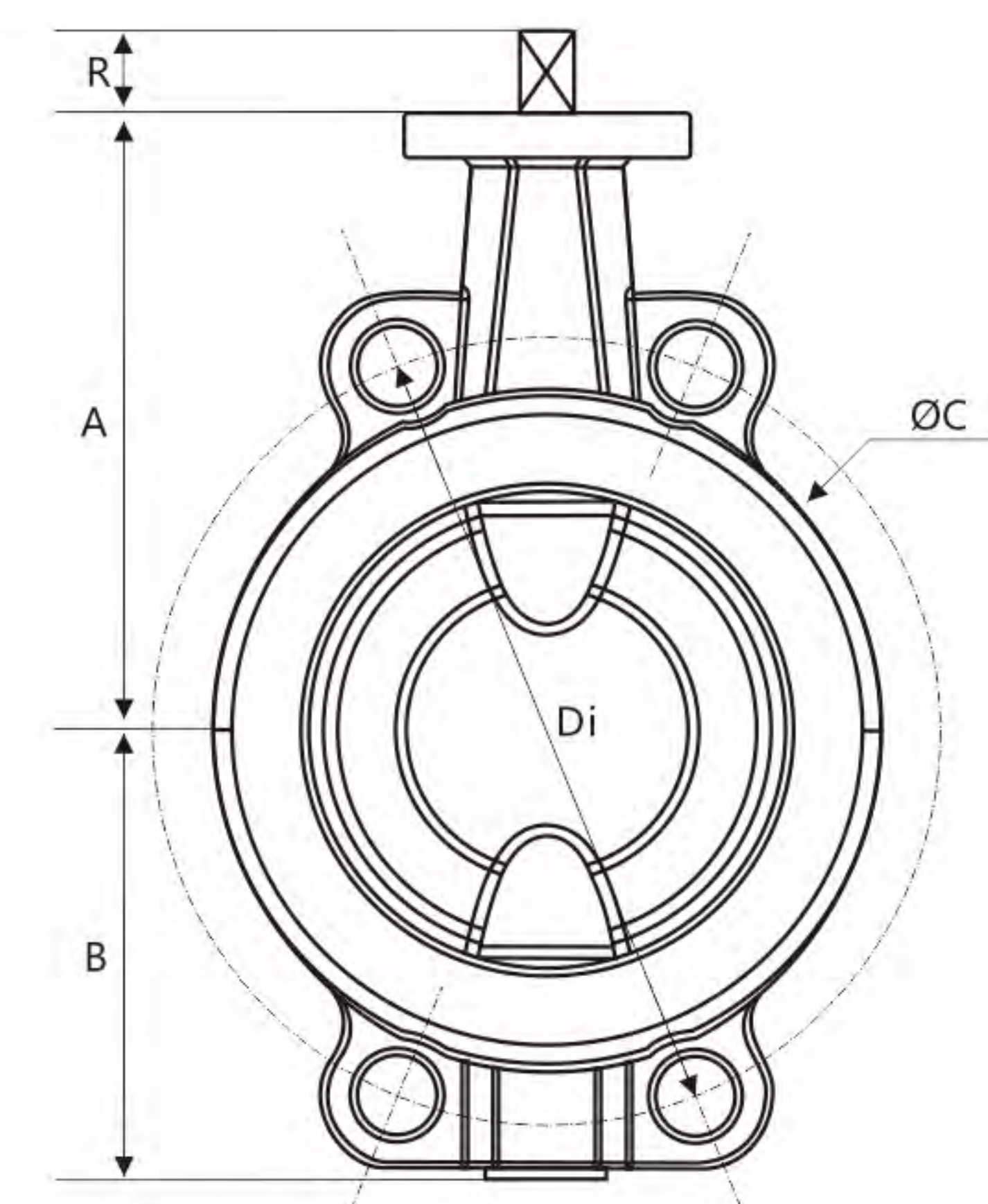
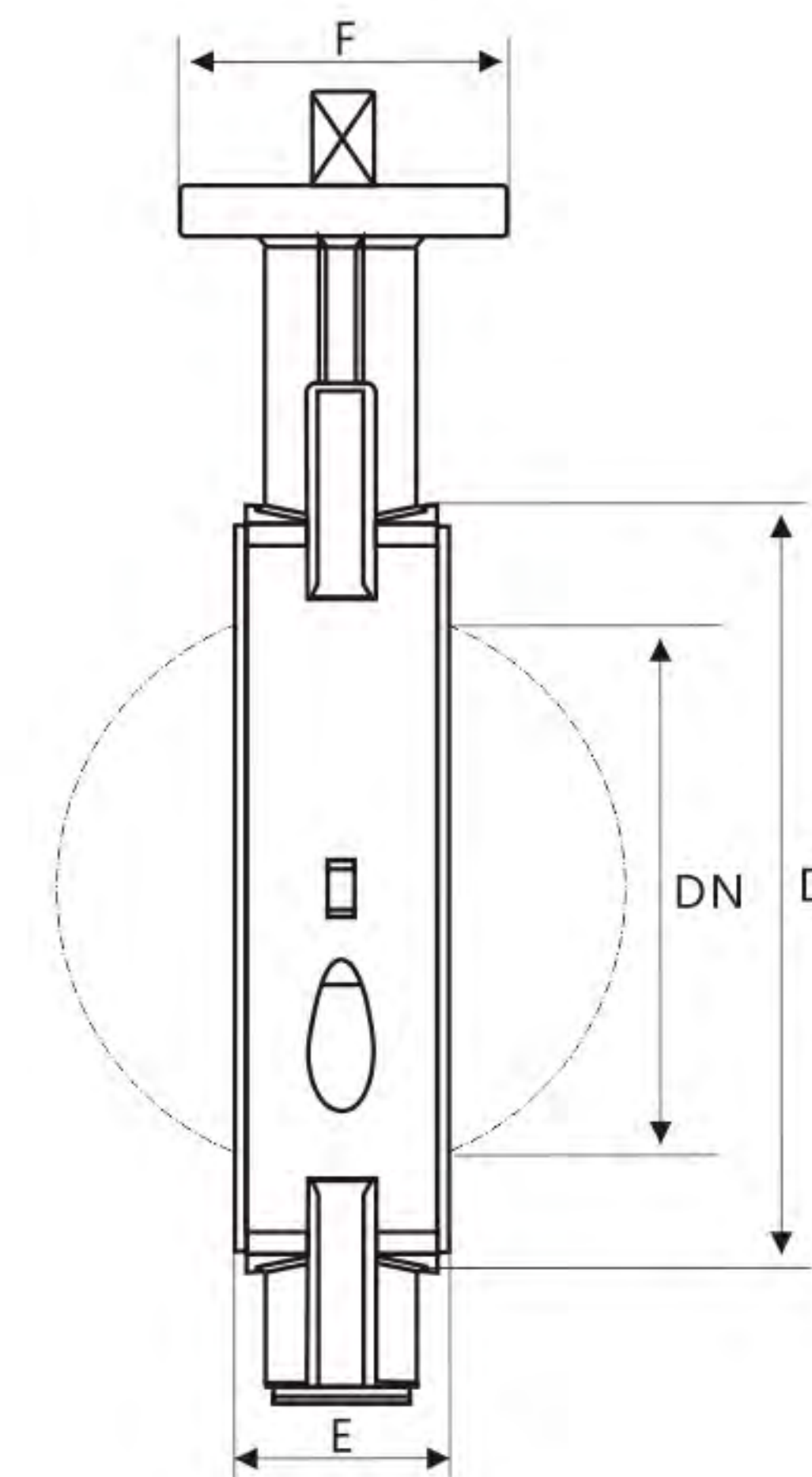
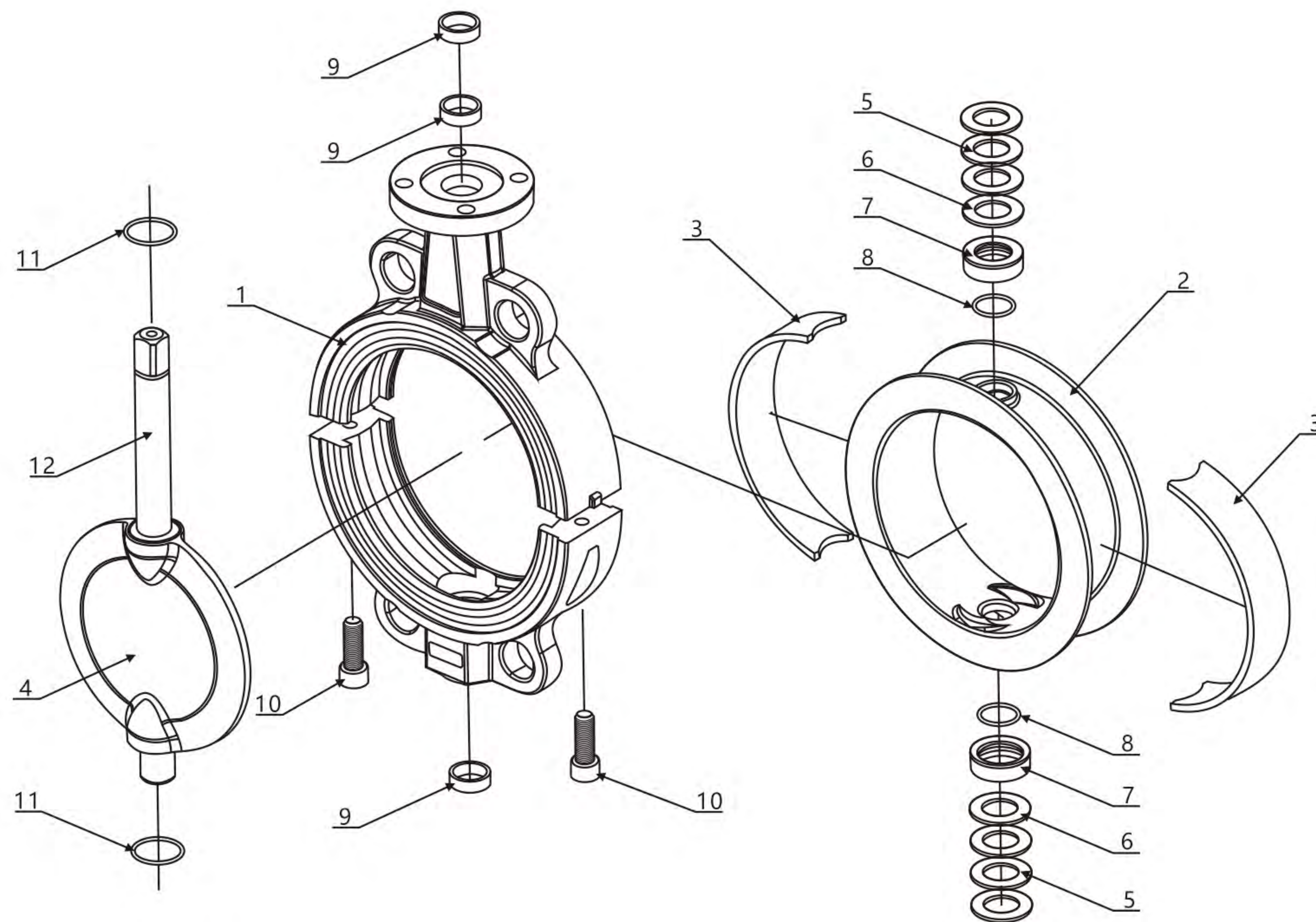
The design of the valve stem conforms to the blow-out proof structure specified in the API609.

Sealing theory of three-eccentric butterfly valve

Based of double eccentric butterfly valve, a β angle offset forms between the center line of the valve seat and the center line of the valve body which makes the sealing face of the valve disc get away from the sealing face of the valve seat at once when started up, while touch and press the sealing face of the valve seat at once when shut down. when the valve is fully opened, a clearance same with the one of the double eccentric butterfly valve between the two sealing face forms which completely eliminates the mechanical abrasion between the two sealing faces, improving the sealing performance and service life greatly. when the valve is closed, the sealing ring is pressed by the valve disc and the sealing face of valve body so as to have elastic deformation in two directions. The sealing face is subjected to an outward tension in the direction of the long axis and an inward compressive stress in the direction of the short axis which makes the long axis and short axis produce different direction elastic deformation and makes the sealing force between the valve sealing face get to the maximum value.

This unique eccentric combination, not only adopts cam theory, but also eliminates friction so as to avoid leakage.





Normal Material Selection

No.	Part Name	Option	Material	No.	Part Name	Option	Material
1	valve body	★	WCB	5	elastic washer	★	VMQ
		◎	A395			★	PTFE
		★	CF8			★	CF8
		◎	CF8M			★	FPM
		◎	CF3M			◎	VMQ
2	valve seat	★	PTFE	6	gasket	◎	FPM/PTFE
		◎	RTFE			◎	
		◎	EPDM			◎	
3	elastomer	★	VMQ	7	gland	◎	
		◎	FPM			◎	
		◎	CF8			◎	
4	valve disc	★	PTFE	8	O ring	◎	
		◎	PFA			◎	
		◎	FEP			◎	
		◎	CF8			◎	
		◎	CF8M			◎	
		◎	CF3	9	self-lubricating locating sleeve	◎	
		◎	CF3M			◎	
		◎	C62300			◎	
		◎	C26200			◎	
		◎	CF8/PTFE			◎	
	★	◎		10	mounting nut	◎	
		◎				◎	
		◎				◎	
		◎				◎	
		◎				◎	
	★	◎		11	O ring	◎	
		◎				◎	
		◎				◎	
		◎				◎	
		◎				◎	
	★	◎		12	valve stem	◎	
		◎				◎	
		◎				◎	
		◎				◎	
		◎				◎	

○ main selected components according to operating requirements:
 ★ special requirements ★ standard components ◎ optional components



Product Dimensions

		Unit:mm												
mm	inch	A	B	ØC	D	Di	E	ISO5211		F	R	□B	N.M	KG
								Type	Z					
40	1.5	100	50	83	84	110	33	F05	50	72	12	11	30	2.3
50	2	110	63	100	100	125	43	F05	50	72	12	11	30	3.35
65	2.5	125	72	120	118	145	46	F05	50	72	12	11	35	4.5
80	3	136	80	130	130	160	46	F05	50	72	12	11	50	5.5
100	4	151	111	160	157	180	52	F07	70	90	16	14	80	8
125	5	170	124	177	177	210	56	F07	70	90	19	17	150	10.6
150	6	190	138	207	206	240	56	F07	70	90	19	17	216	12.8
200	8	222	171	258	258	295	60	F10	102	120	24	22	410	20
250	10	270	209	315	315	350	68	F10	102	120	24	22	680	31.8
300	12	290	230	366	366	400	78	F12	125	135	29	27	900	45
350	14	325	261	416	415	460	78	F12	125	135	29	27	1120	37.5
400	16	342	285	470	470	515	102	F14	140	180	38	36	2203	63.5



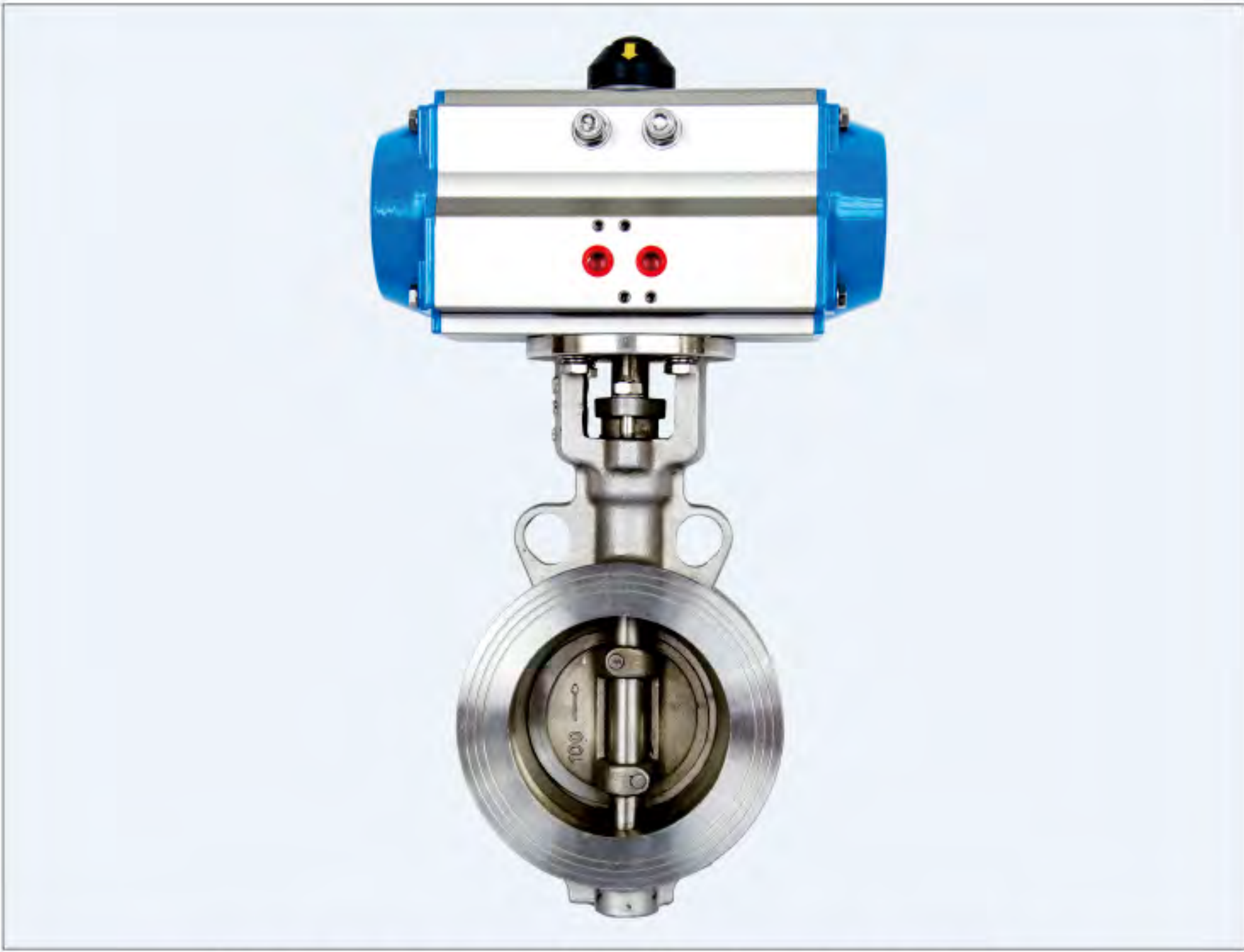
lug butterfly valve



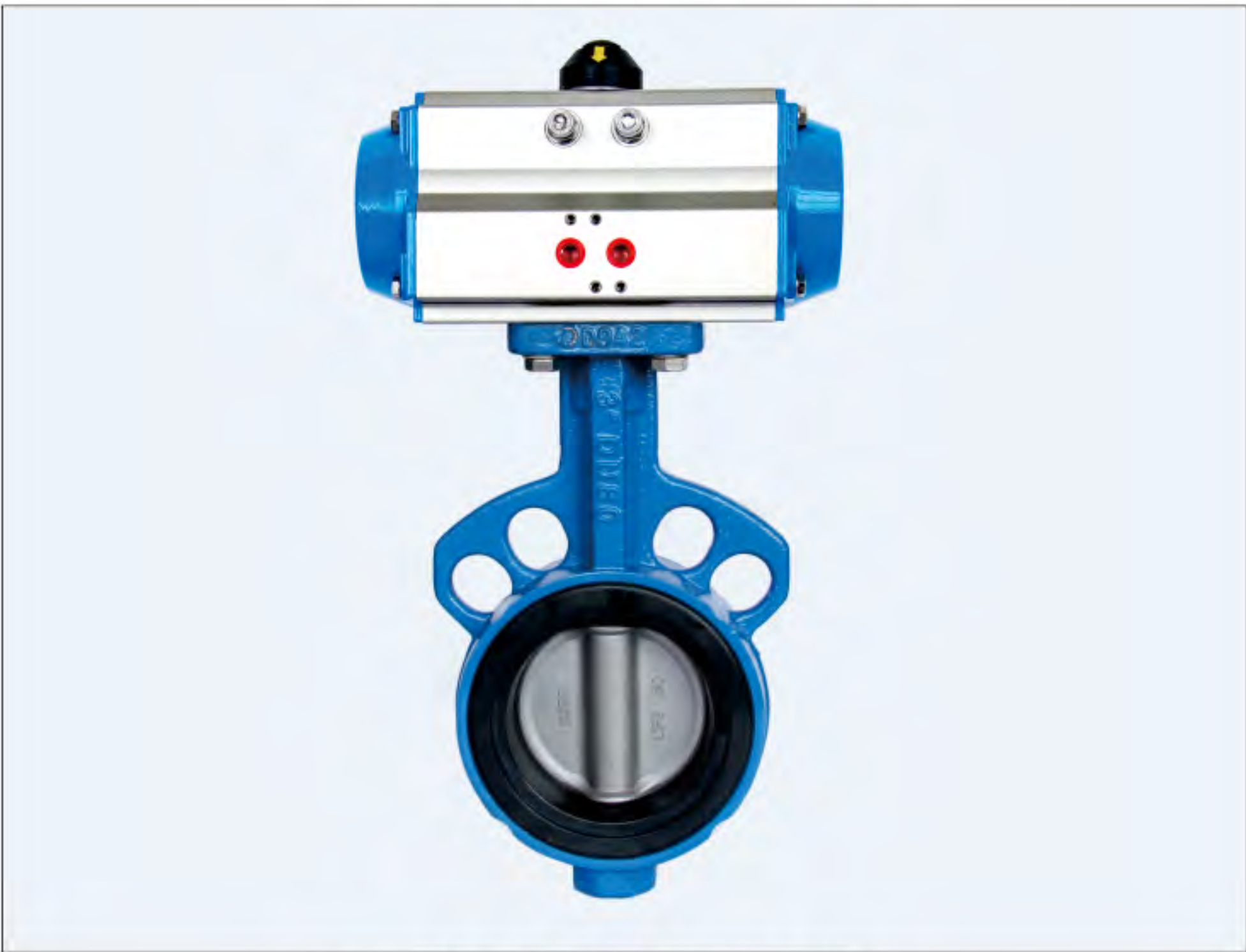
sanitary butterfly valve



Ventilation butterfly valve



three-eccentric butterfly valve



wafer butterfly valve



electric double flange butterfly valve



pneumatic double flange butterfly valve



Fluorine-lined butterfly valve



hard seal butterfly valve



butterfly valve with handle



butterfuy valve with hangdwheel

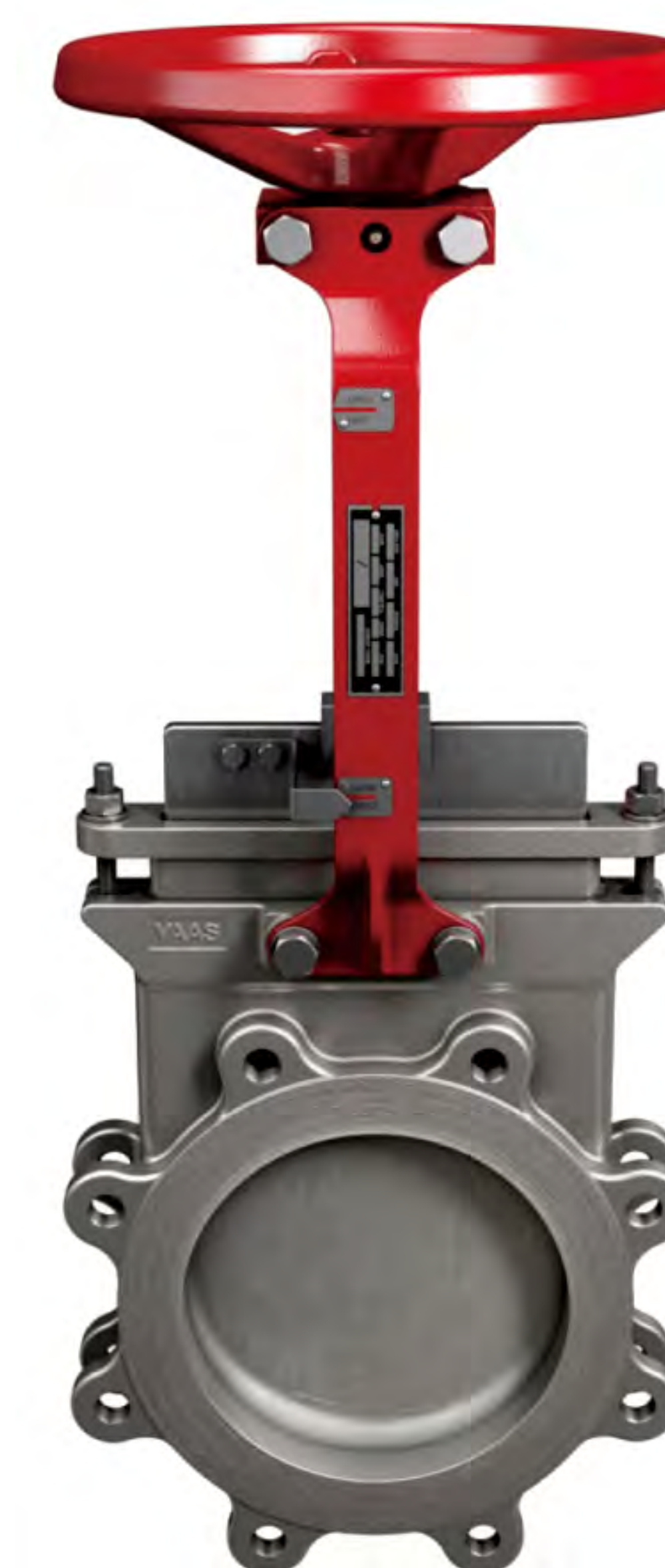
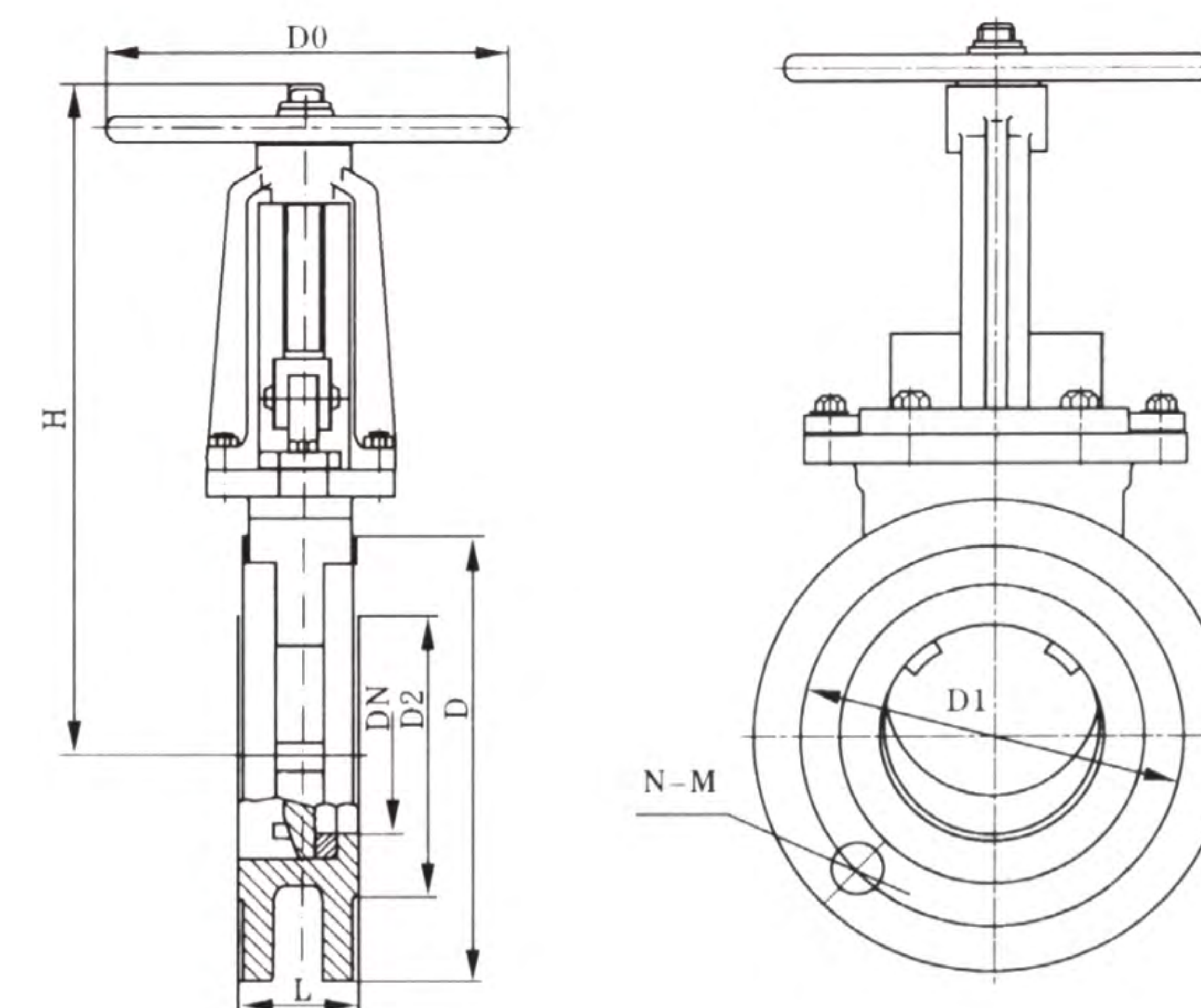


PVC butterfly valve

Manual knife Gate Valve

The knife gate valve is the flat plate valve with a knife-shaped oblique notch at the bottom of the plate with the function of cutting off the medium which makes the closing and opening of the valve not blocked. This kind of valve is generally used for the treatment of paper pulp, coal ash, chemical raw material, waste water, food. The normal working pressure is not higher than 1.6MPa and the normal temperature is not higher than 120° usually. If the working temperature is much higher, we can choose special material.

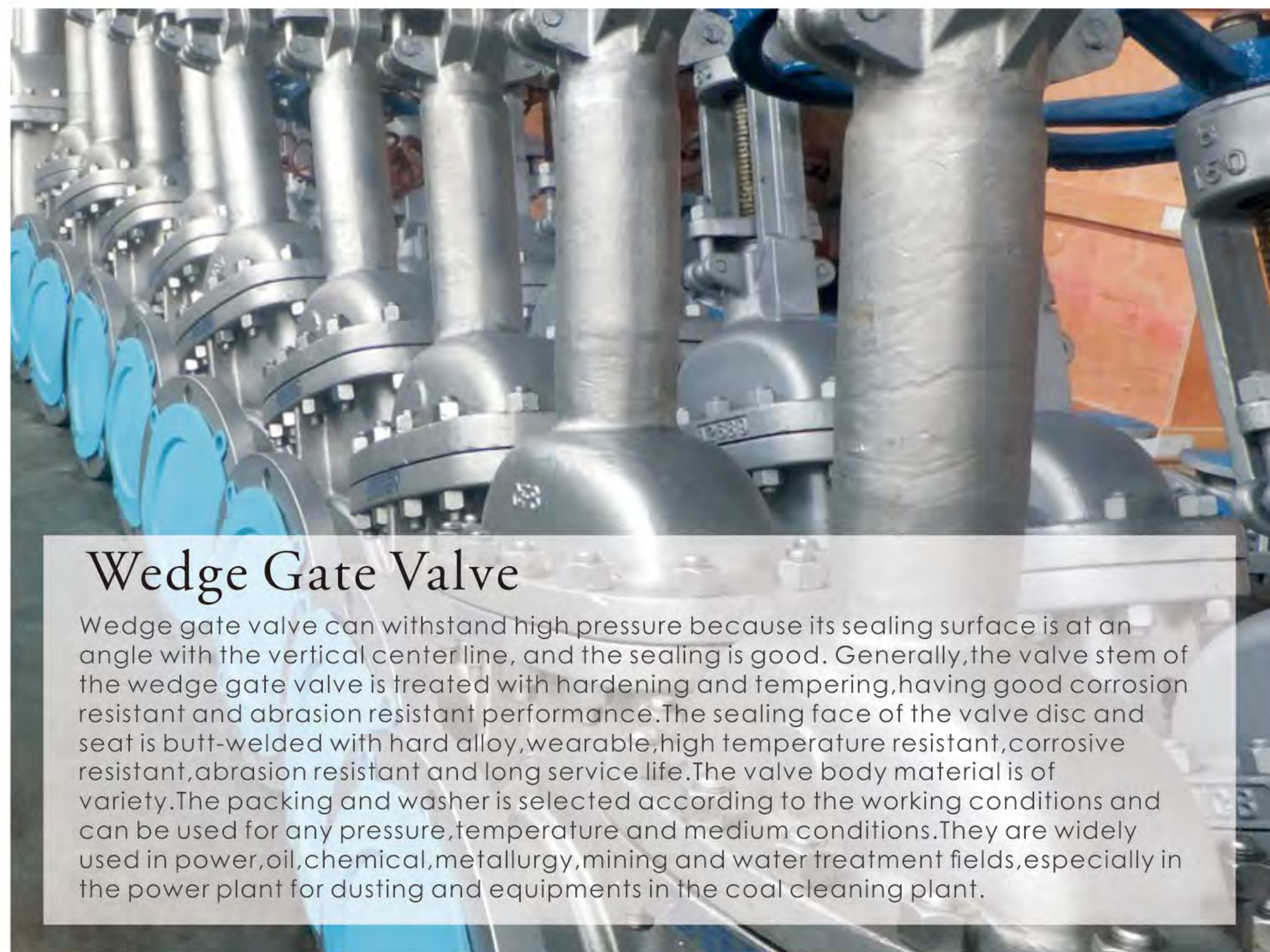
Easy opening and closing, good sealing, great elastic memory and long service life is the prominent characteristics of the valve. It is widely used in city water, waste water, building, petroleum, chemical, food, Pharmaceuticals, textile, power, shipping, metallurgy, energy for regulating and cutting off the fluid. There are plate gate valve, knife nud gate valve, knife slag valve, single clamp slurry gate valve and manual single clamp knife gate valve.



Product Outline Dimensions

PN 1.6Mpa

DN	L	D	D1	D2	H	N-M	Do	W(Kg)
50	43	160	125	100	285	4-M16	180	8
65	46	180	145	120	298	4-M16	180	10
80	46	195	160	135	315	4-M16	220	12
100	52	215	180	155	365	8-M16	220	14
125	56	245	210	185	400	8-M16	230	22
150	56	280	240	210	475	8-M20	280	29
200	60	335	295	265	540	8-M20	360	38
250	68	390	350	320	630	12-M20	360	66
300	78	440	400	368	780	12-M20	400	100
350	78	500	460	428	885	16-M20	400	119
400	102	565	515	482	990	16-M22	400	195
450	114	615	565	532	1100	20-M22	530	285
500	127	670	620	585	1200	20-M22	530	389
600	154	780	725	685	1450	20-M27	600	529
700	165	895	840	800	1700	24-M27	600	790



Wedge Gate Valve

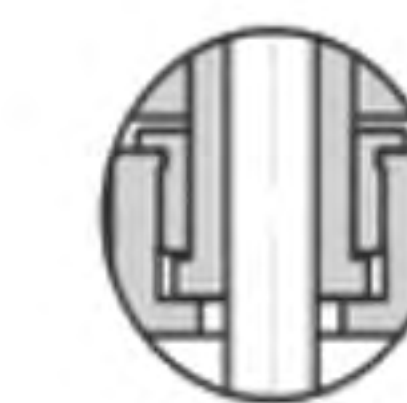
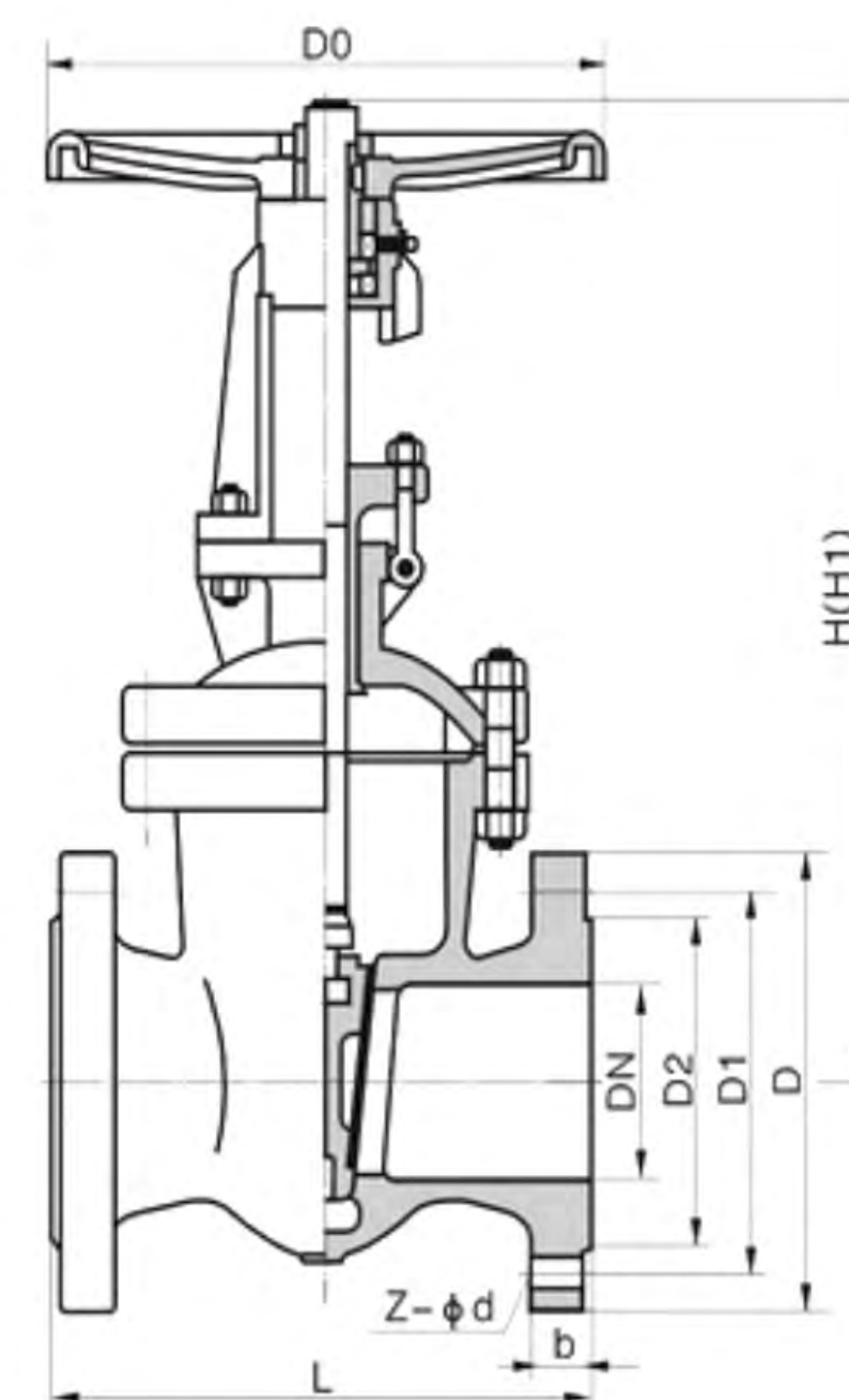
Wedge gate valve can withstand high pressure because its sealing surface is at an angle with the vertical center line, and the sealing is good. Generally, the valve stem of the wedge gate valve is treated with hardening and tempering, having good corrosion resistant and abrasion resistant performance. The sealing face of the valve disc and seat is butt-welded with hard alloy, wearable, high temperature resistant, corrosive resistant, abrasion resistant and long service life. The valve body material is of variety. The packing and washer is selected according to the working conditions and can be used for any pressure, temperature and medium conditions. They are widely used in power, oil, chemical, metallurgy, mining and water treatment fields, especially in the power plant for dusting and equipments in the coal cleaning plant.

Product standard

Design standard	Structure length	Flange	Test&inspection	Pressure-temperature	Product marking
GB/T12234	JB/T7746	JB/T79	GB/T13927-92	GB/T9131	GB/T12220

Main parts material

Valve body, Bonnet, Support	Valve disc	Valve stem	Valve Seat	Sealing ring, washer	Packing
WCB ZG1Cr18Ni9Ti ZG1Cr18Ni12Mo2Ti ZGCr5Mo	2Cr13 CF8 CF8M Cr5Mo	2Cr13 CF8 CF8M 25Cr2MoV	CF8 CF8M	CF8 coated gasket	enhanced flexible graphite



DN 40~100



DN 150~200



DN 40~80



Product Outline Dimensions

PN 1.6Mpa

DN	L	D	D1	D2	b	f	Z-d	H	H1	Do	(kg)
15	130	95	65	45	14	2	4-14	220	240	120	4
20	150	105	75	55	14	2	4-14	255	284	140	5
25	160	115	85	65	14	2	4-14	275	303	160	6
32	180	135	100	78	16	2	4-18	280	321	180	7
40	200	145	110	85	16	3	4-18	300	352	200	18
50	250	160	125	100	16	3	4-18	358	438	240	29
65	265	180	145	120	18	3	4-18	375	450	240	33
80	280	195	160	135	20	3	8-18	438	528	280	46
100	300	215	180	155	20	3	8-18	502	620	320	63
125	325	245	210	185	22	3	8-18	612	753	360	108
150	350	280	240	210	24	3	8-23	676	847	360	134
200	400	335	295	265	26	3	12-23	820	1039	400	192
250	450	405	355	320	30	3	12-25	969	1245	450	273
300	500	460	410	375	30	3	12-25	1142	1472	560	379
350	550	520	470	435	34	4	16-25	1280	1450	640	590
400	600	580	525	485	36	4	16-30	1452	1887	640	850
450	650	640	585	545	40	4	20-30	1541	2011	720	907
500	700	705	650	608	44	4	20-34	1676	2181	720	958
600	800	840	770	718	48	5	20-41	1874	2346	800	1112



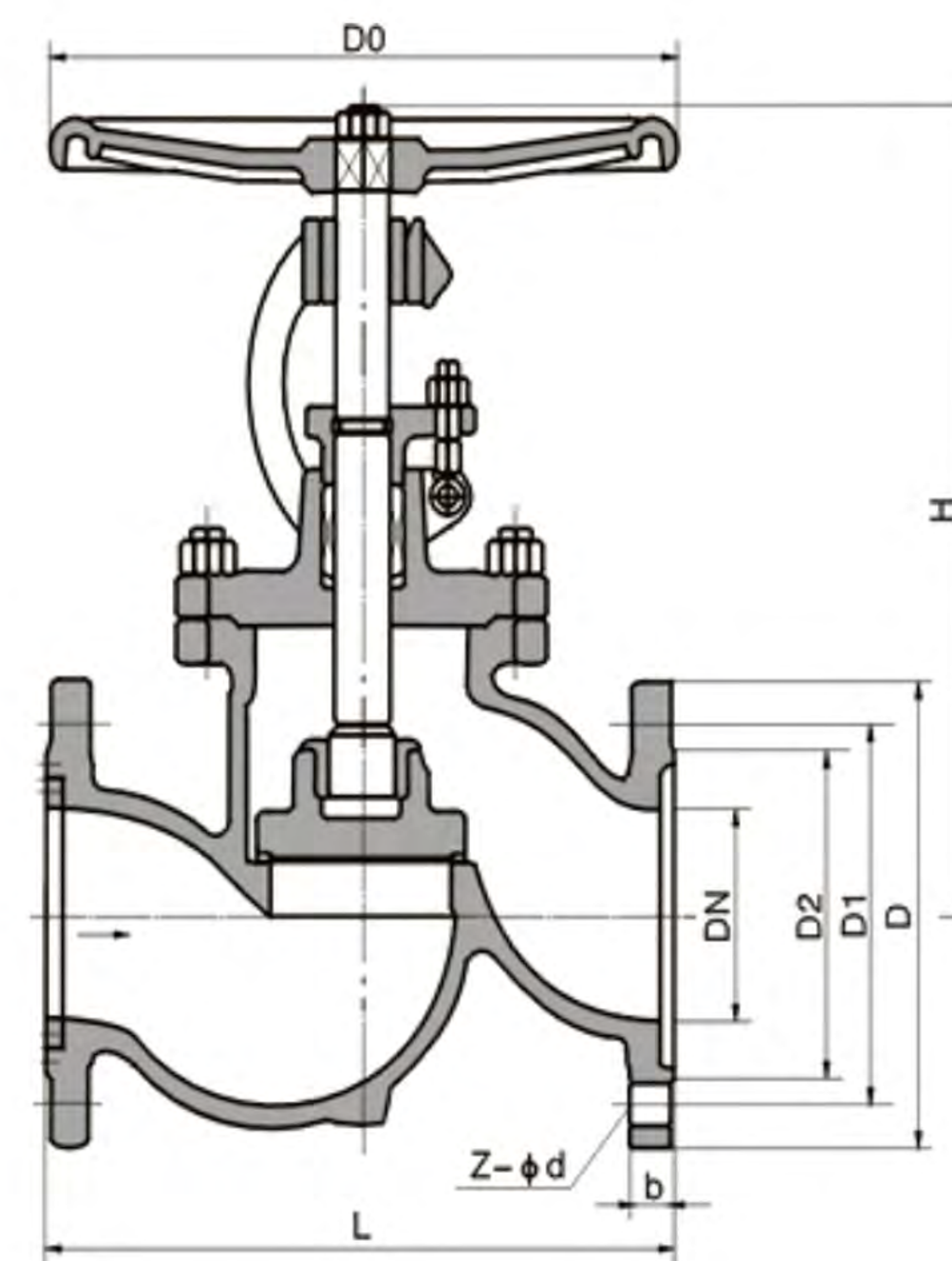
- 1.The sealing face is butt-welded with iron-base alloy or Stellite Cobalt alloy,wearable,high temperature resistant,corrosive resistant and long service life.
- 2.The valve stem is treated with hardening&tempering and nitriding,having good corrosion resistant and abrasion resistant performance.
- 3.Variety of valve body materials which can be chosen according to the working conditions.
- 4.Any pipe&flange standard and flange sealing face form can be used.
- 5.reliable sealing.The packing can be replaced without stopping of operation,convenient and no effect to the operation.

Product standard

design standard	structure length	flange	test& inspection	pressure-temperature	product standard	supply scope
GB/T12235	GB/T12221	JB/T79	JB/T9092	GB/T9131	GB/T12220	JB/T7928

Main parts material

name	valve body, bonnet,support	valve disc	valve stem	valve seat	sealing ring, washer	packing
material	WCB ZG1Cr18Ni9Ti ZG1Cr18Ni12Mo2Ti ZGCr5Mo	2Cr13 CF8 CF8M Cr5Mo	2Cr13 CF8 CF8M 25Cr2MoV	CF8 CF8M	CF8 coated gasket	enhanced flexible graphite

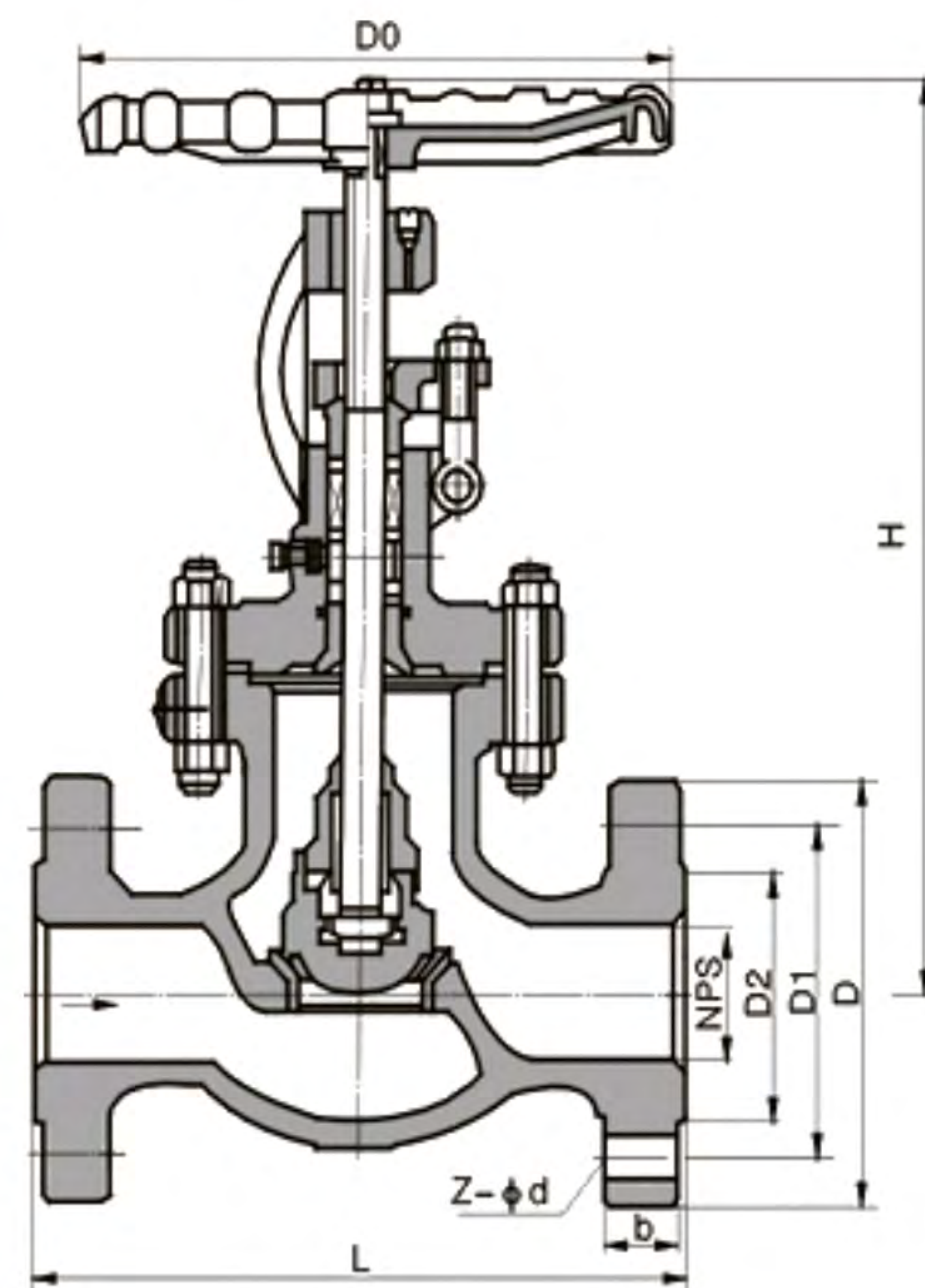


Product Outline Dimensions

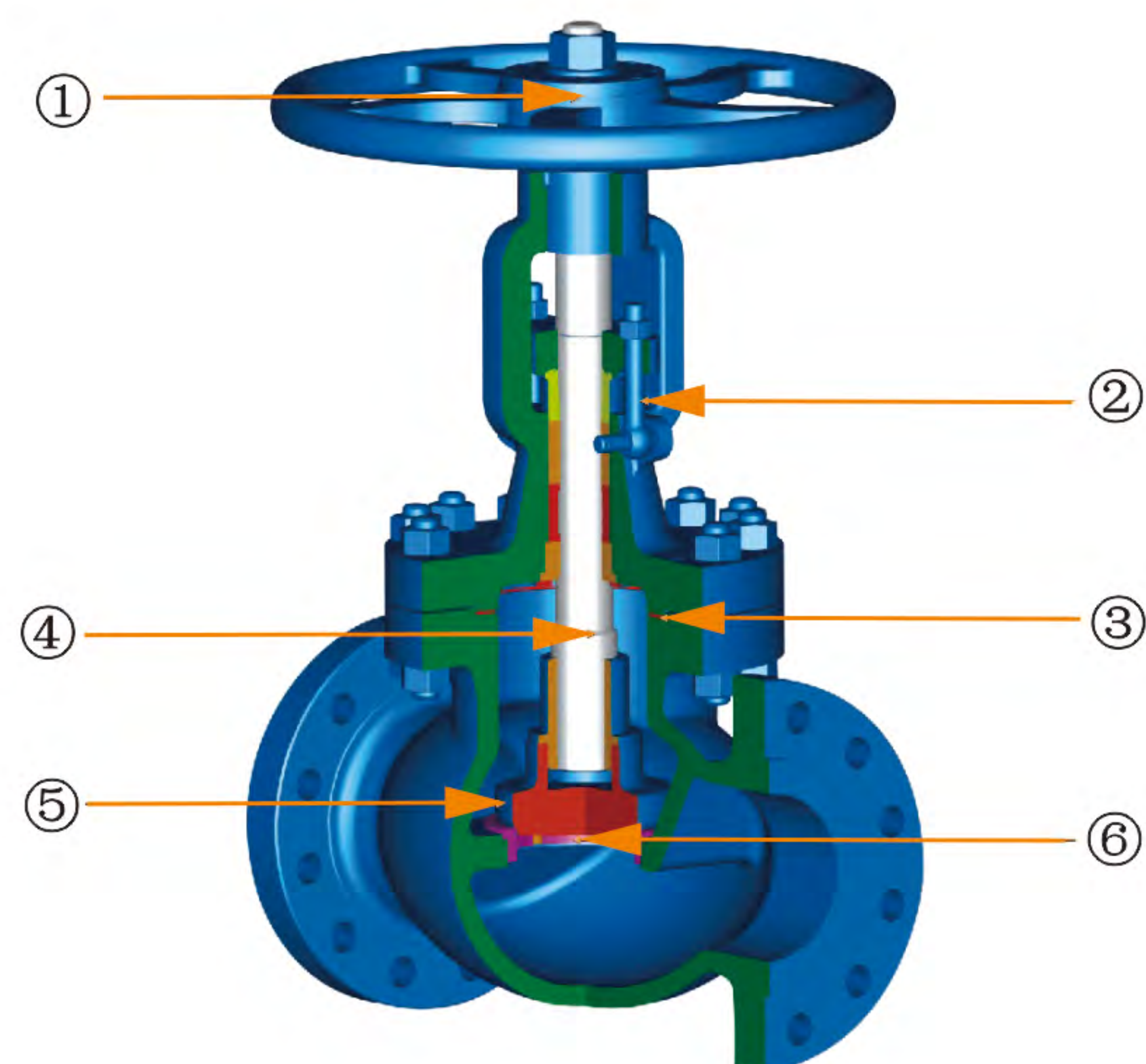
PN 1.6Mpa										
DN	L	D	D1	D2	b	f	Z-d	H	DO	KG
10	130	90	60	40	14	2	4-14	198	120	4.7
15	130	95	65	45	16	2	4-14	218	120	5.2
20	150	105	75	55	16	2	4-14	258	140	7.1
25	160	115	85	65	16	2	4-14	275	160	7.4
32	180	135	100	78	18	2	4-18	280	180	8.5
40	200	145	110	85	18	3	4-18	330	200	12.5
50	230	160	125	100	18	3	4-18	350	240	20
65	290	180	145	120	18	3	4-18	400	280	25
80	310	195	160	135	20	3	8-18	355	280	35
100	350	215	180	155	22	3	8-18	415	320	50
125	400	245	210	185	24	3	8-18	460	360	75
150	480	280	240	210	24	3	8-23	510	400	100
200	600	335	295	265	26	3	12-23	710	400	210
250	650	405	355	320	30	3	12-23	768	450	446
300	750	460	410	375	30	3	12-23	925	500	648



Globe Valve



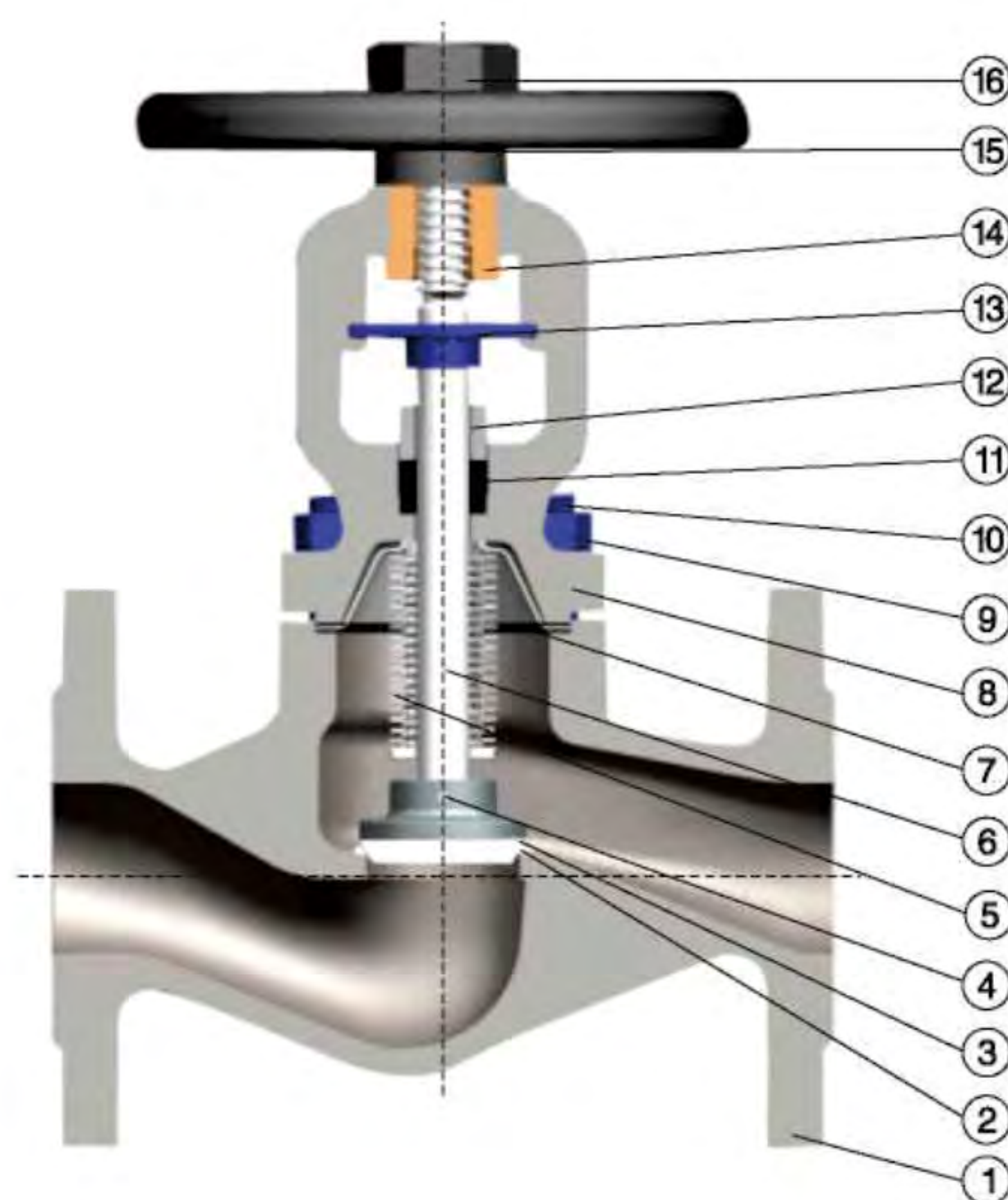
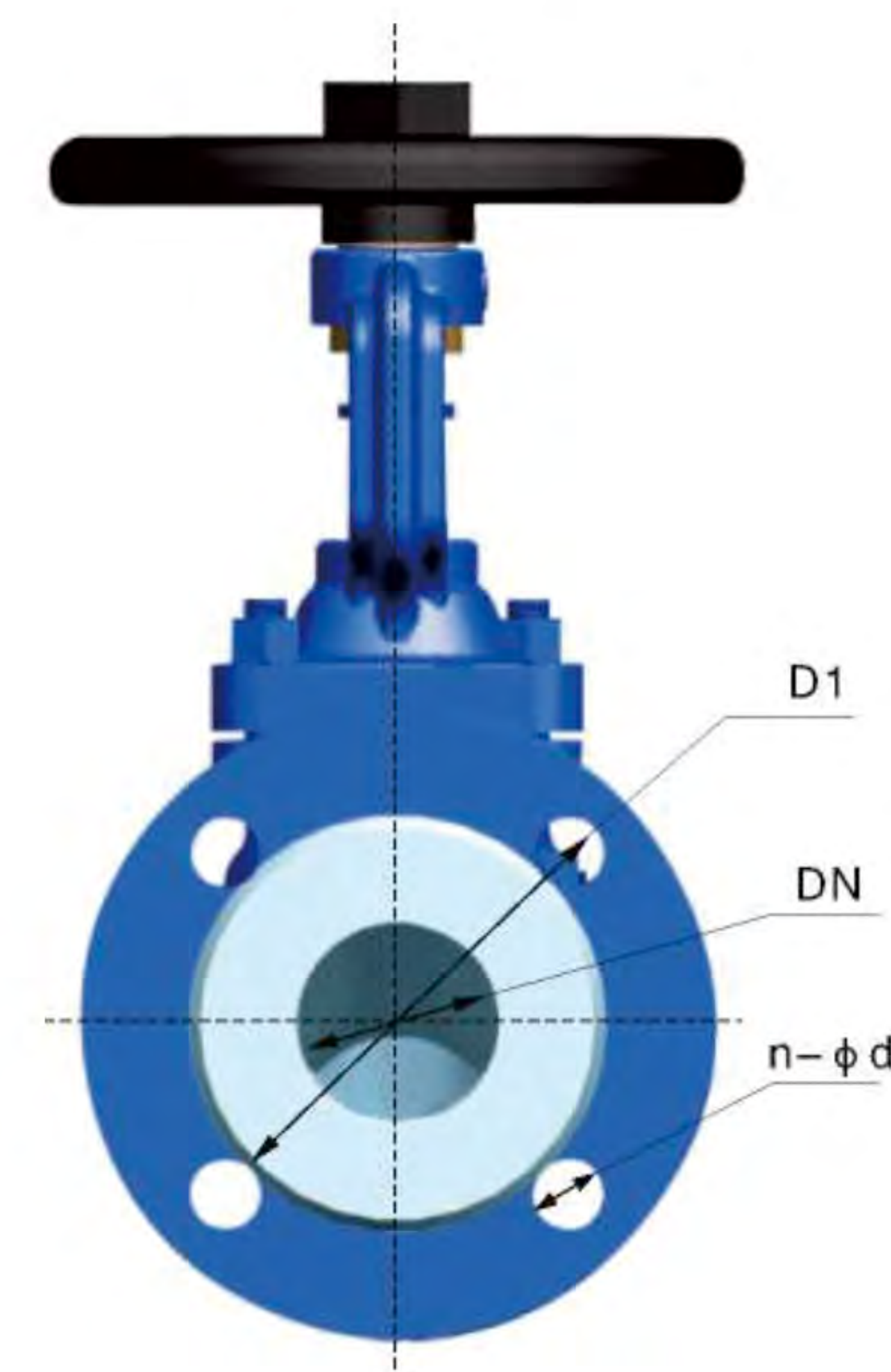
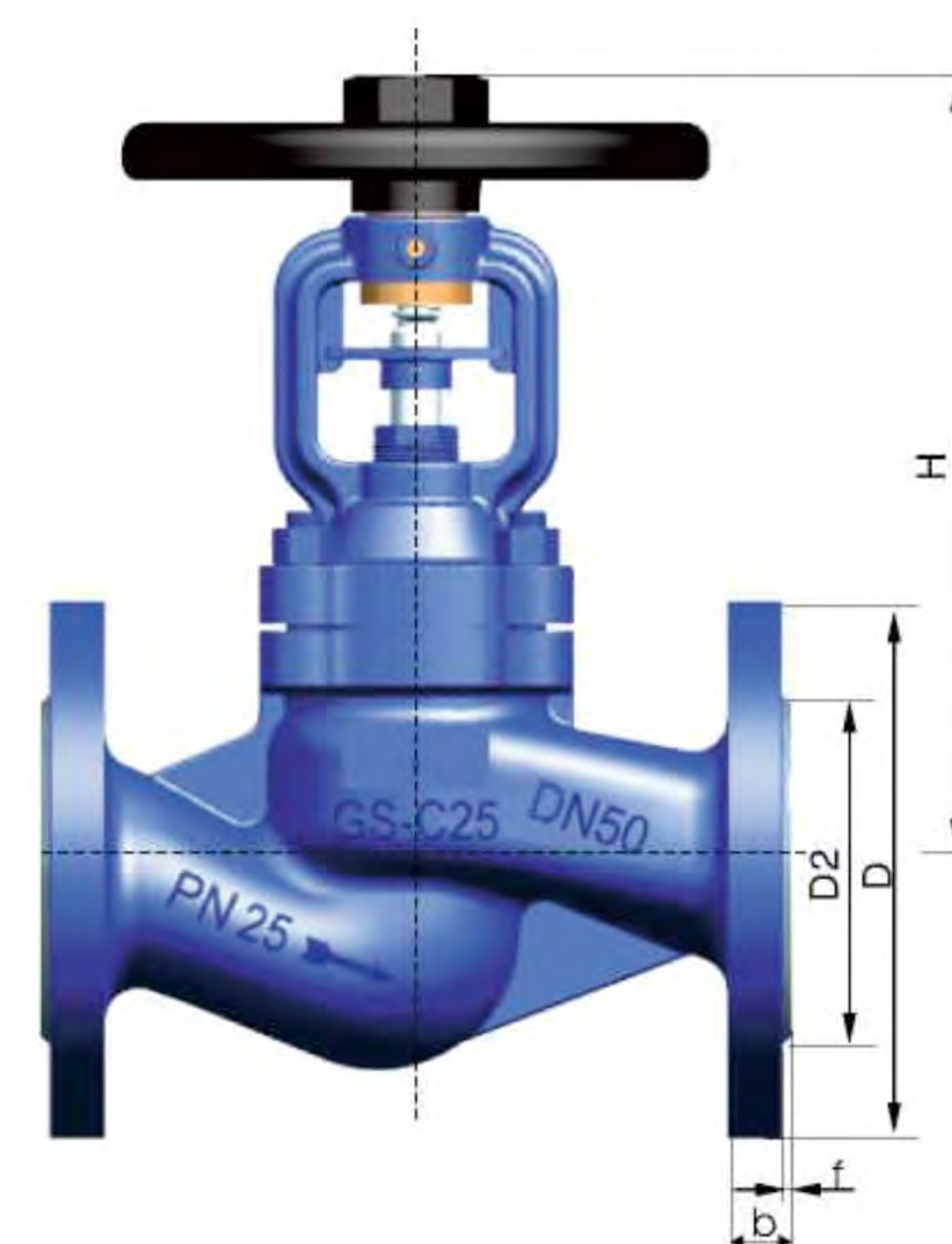
Design Feature



- ① Impact handwheel is configured as per the standard or customer requirement.
- ② The bolt which can rotate laterally is useful for protecting the packing.
- ③ The connection of the valve body and bonnet for the valve which pressure is from 150LB to 600LB is male and female type. The Concave connection is used for the globe valve which pressure is equal and higher than 900LB or used for the valve which pressure is 600LB as per the customer requirement.
- ④ Blow-out proof stem has a tapered top sealing face, which allows to replace packing when the valve is fully opened.
- ⑤ The standard design for the disc is plunger type. According to customer requirement, ball type, Parabolic type, flat type can be provided too.
- ⑥ Overlaying NO.6 cobalt base is used for the standard material of valve seat sealing face.

Product Outline Dimensions

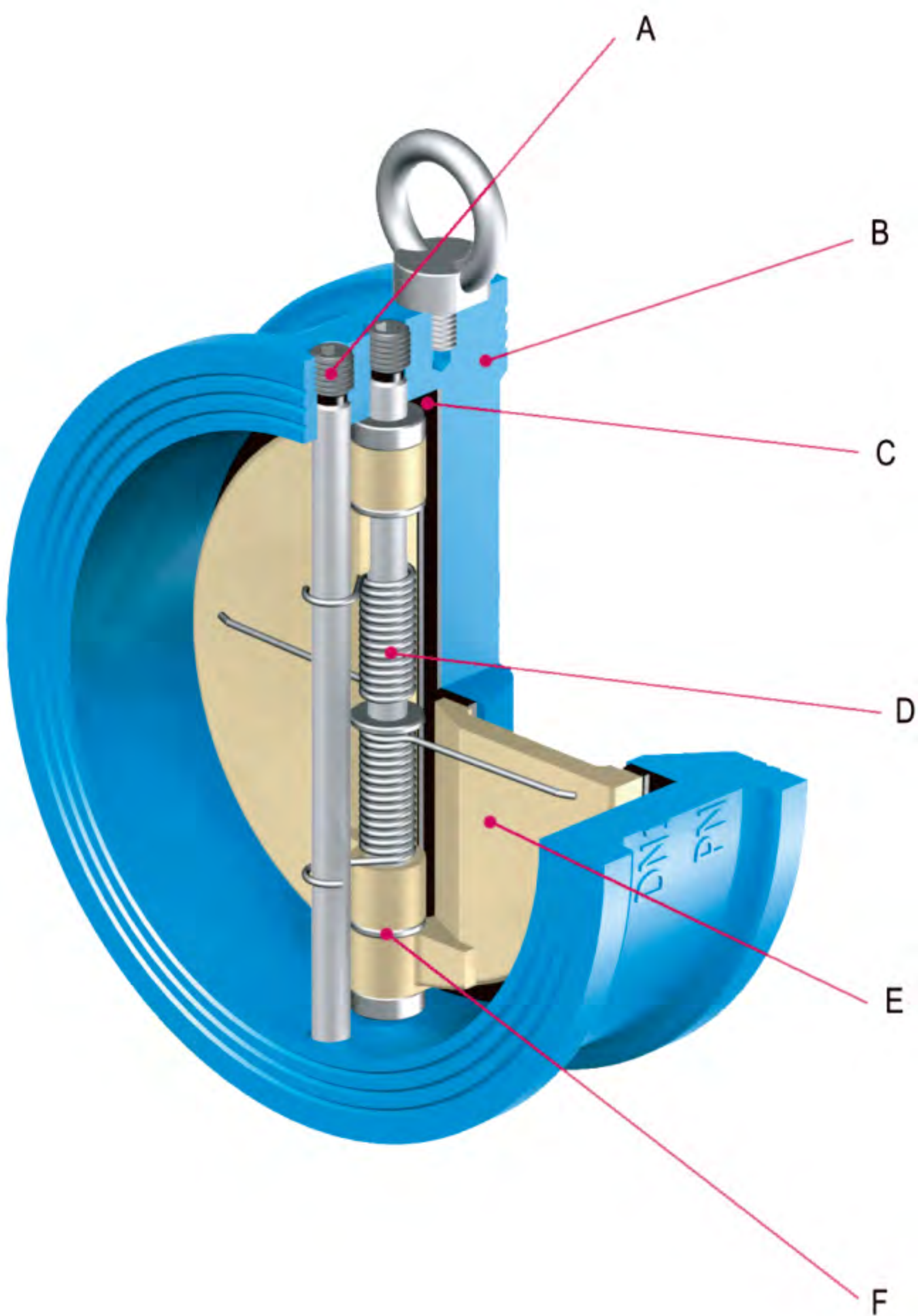
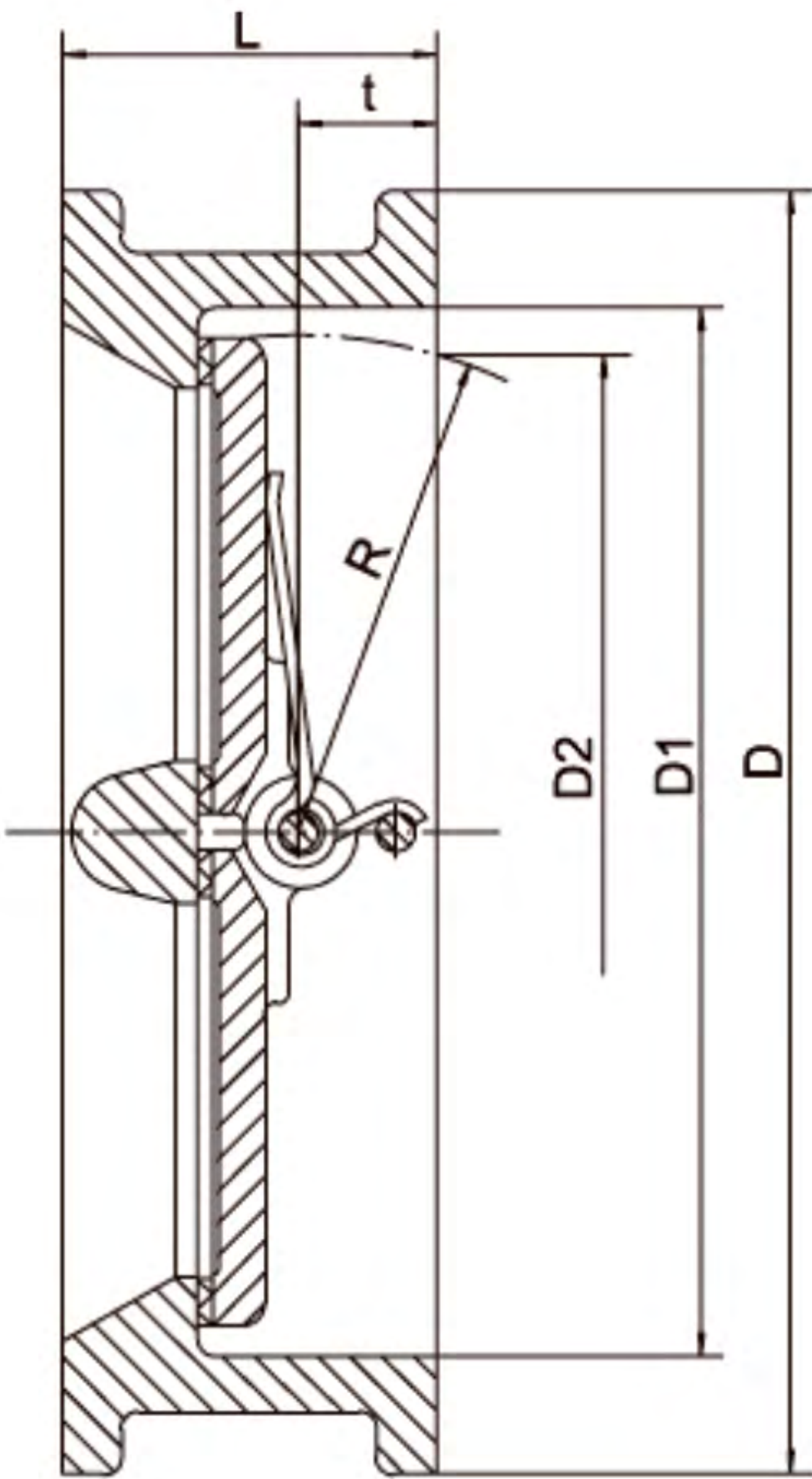
Specifications	L	D	D1	D2	b	z-d	Do	H	Class 150	
									KG	
1/2"	108	90	60.5	35	12	4-15	125	169	3.8	
3/4"	117	98	70	43	12	4-15	125	180	4.2	
1"	127	108	79.5	51	12	4-15	125	190	8	
1-1/2"	165	127	98.5	73	14.3	4-16	180	347	13	
2"	203	152	120.5	92	15.9	4-19	180	356	21	
2-1/2"	216	178	139.5	105	17.5	4-19	240	381	30	
3"	241	190	152.4	127	19.1	4-19	280	13	41	
4"	292	229	190.5	157	24	8-19	280	500	64	
6"	406	279	241.5	216	25.4	8-22	360	656	113	
8"	495	343	298.5	270	29	8-22	450	660	190	



No.	Name	Material
1	valve body	GS-C25 , GGG-40 , 1.4401
2	valve seat	1.4301 ,Stellite
3	valve disc	1.4021 ,1.4301+Stellite
4	shaft pin	1.4301 ,1.4401
5	bellows components	1.4301 ,1.4401
6	valve stem	1.4021 ,1.4301 ,1.4401
7	gasket	Flexible graphite+stainless steel
8	bonnet	GS-C25 , GGG-40 , 1.4401
9	hex nut	ASTM A194-2H , A194-8
10	stud	ASTM A193- B7 , A194- B8
11	packing	Flexible graphite , PTFE
12	pressing sleeve	1C25 , 1.4301 , 1.4401
13	locating washer	1C25
14	valve nut	copper alloy , D2 , BL-2
15	handwheel	carbon steel
16	cap	1C45

Product Outline Dimensions (mm)

							2.5Mpa
size	total length(L)	outer circle diameter(D)	center circle diameter(D1)	lug boss diameter(D2)	thickness of flange(b)	lug boss thickness(f)	n-Φd
15	130	95	65	45	16	2	4-Φ14
20	150	105	75	58	18	2	4-Φ14
25	160	115	85	68	18	2	4-Φ14
32	180	140	100	78	18	2	4-Φ18
40	200	150	110	88	18	3	4-Φ18
50	230	165	125	102	20	3	4-Φ18
65	290	185	145	122	22	3	8-Φ18
80	310	200	160	138	24	3	8-Φ18
100	350	235	190	162	24	3	8-Φ22
125	400	270	220	188	26	3	8-Φ26
150	480	300	250	218	28	3	8-Φ26
200	600	360	310	278	30	3	12-Φ26
250	730	425	370	335	32	3	12-Φ30
300	850	485	430	395	34	4	16-Φ30
350	980	555	490	450	38	4	16-Φ33
400	1100	620	550	505	40	4	16-Φ36



Product Introduction

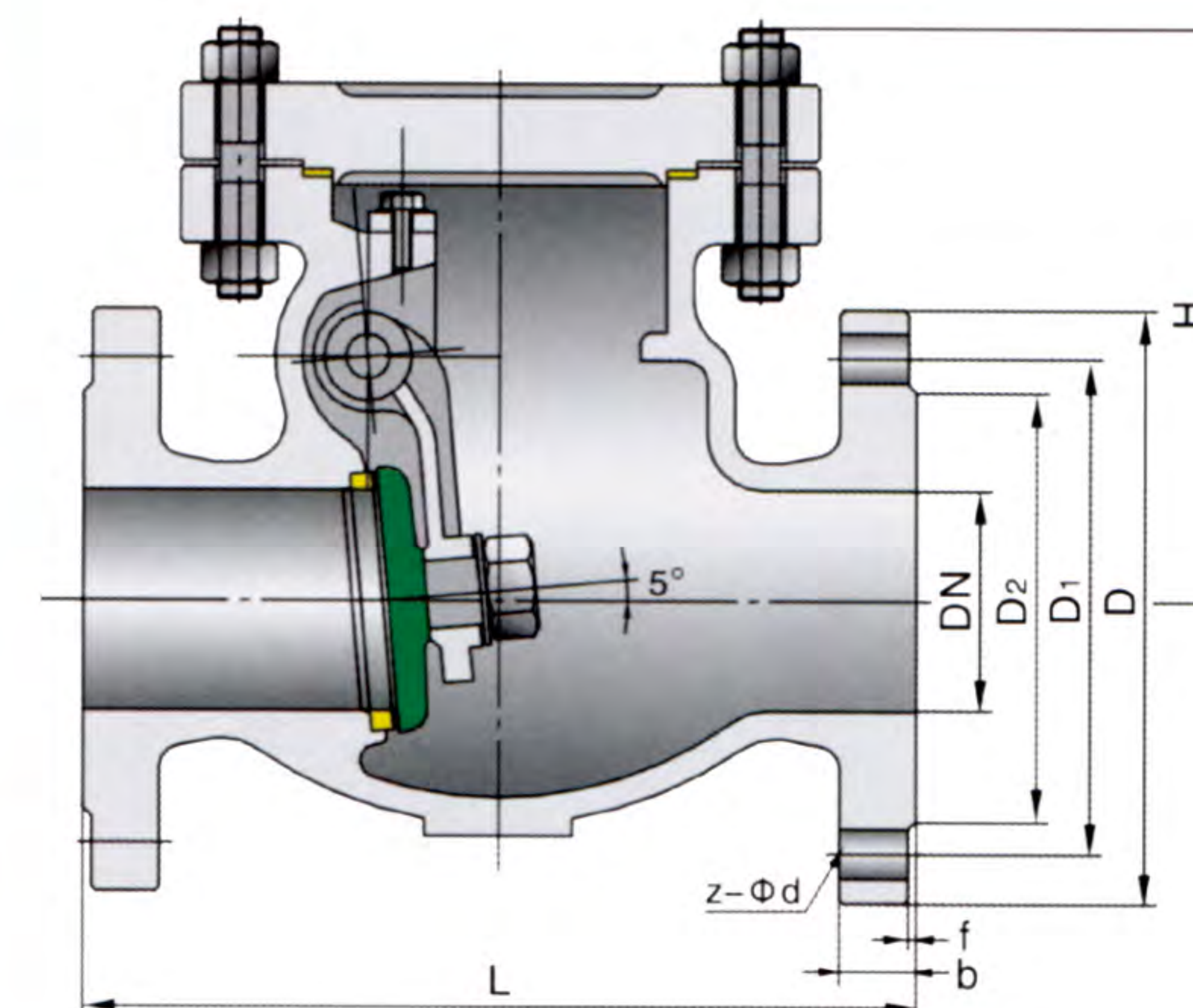
About the Wafer double-disc check valves, we introduced the advanced technology from the developed country. They conform to the related standard and belong to energy-saving products. This kind of valve has good non-return performance and is safe and reliable and has a small flow resistance coefficient. They are mainly used in petroleum, chemical, food, pharmaceuticals, textile, paper-making, water supply and drainage, metallurgy and energy, etc. as a one-way valve.

Design Features

- 1. Fastening screw at the shaft end: preventing the shaft from moving and avoiding the valve from coming out of work and leaking at the shaft end.
- 2. Valve body: Small length, good rigidity.
- 3. Rubber seat: Vulcanization on valve body, reliable and fully sealing.
- 4. Spring: using double springs, distributing the load evenly to each valve disc so as to close the valve quickly when the medium is flowing back.
- 5. Valve disc: using antithetical plates with two torque springs which can make the valve disc being closed quickly and eliminate water hammer.
- 6. Gasket: regulating the clearance of mounting to make sure of the sealing of the valve disc.

Product Outline Dimensions

Specifications	Class 150								
	L	D	D1	D2	b	z-d	Do	H	KG
1/2"	108	90	60.5	35	12	4-15	125	169	3.8
3/4"	117	98	70	43	12	4-15	125	180	4.2
1"	127	108	79.5	51	12	4-15	125	190	8
1-1/2"	165	127	98.5	73	14.3	4-16	180	347	13
2"	203	152	120.5	92	15.9	4-19	180	356	21
2-1/2"	216	178	139.5	105	17.5	4-19	240	381	30
3"	241	190	152.4	127	19.1	4-19	280	413	41
4"	292	229	190.5	157	24	8-19	280	500	64
6"	406	279	241.5	216	25.4	8-22	360	656	113
8"	495	343	298.5	270	29	8-22	450	660	190



This valve is suitable for the working conditions of petroleum, chemical, Pharmaceuticals, chemical fertilizer and power that the pressure is below 2.5MPa and the temperature is from -20°C to +425°C. The medium is water, oil, steam, acid medium.

The swing check valve is adopted of internal rocker arm swing structure. All of the opening and closing parts are mounted in the valve body, not getting through the valve body. There is no leaking point except the flange part which is using sealing washer and sealing ring so that the leakage is avoided. Spherical Connection Structure is adopted for Rocker Arm and Disc Connection of Swing Check Valve which makes the disc have some freedom at the scope of 360° and micro position compensation.

Parameters

Nominal diameter DN(mm)	Nominal pressure PN(MPa)	Flange sealing TYPE	Test pressure (Mpa)		Applicable temperature °C
			HUB	SEALING	
DN40-300	1.0Mpa	RF	1.5Mpa	1.1Mpa	≤425°C
	1.6Mpa	RF	2.4Mpa	1.76Mpa	
	2.5Mpa	RF	3.75Mpa	2.75Mpa	

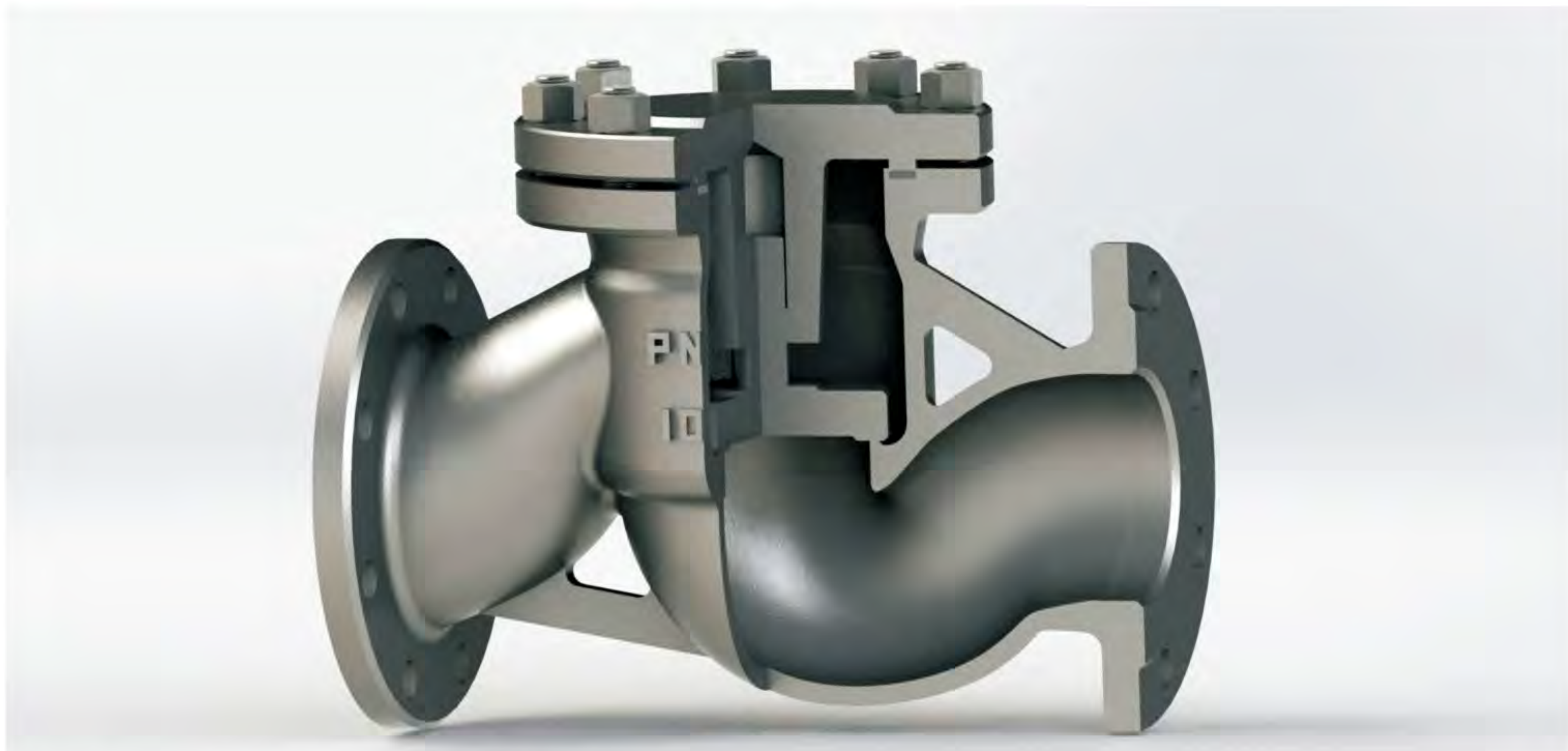
Main parts material

Name	Material								
Valve body/Bonnet	CF8	CF3	CF8M	CF3M	WCB	LCB	WC6	WC9	C5
Valve disc	CF8	CF3	CF8M	CF3M	WCB	LCB	WC6	WC9	C5
Washer	PTFE				Graphite				
Bolt	StainlessSteel				35CrMoA				
Nut	StainlessSteel				45、35CrMoA				

Product Outline Dimensions

1.6Mpa

DN	L	D	D1	D2	b-f	z-Φd	H
20	150	105	75	55	2-14	4-Φ14	100
25	160	115	85	65	2-14	4-Φ14	100
32	180	135	100	78	2-16	4-Φ18	105
40	200	145	110	85	3-16	4-Φ18	115
50	230	160	125	100	3-16	4-Φ18	135
65	290	180	145	120	3-18	4-Φ18	140
80	310	195	160	135	3-20	8-Φ18	145
100	350	215	180	155	3-20	8-Φ18	165
125	400	245	210	185	3-22	8-Φ18	250
150	480	280	240	210	3-24	8-Φ23	295
200	550	335	295	265	3-24	12-Φ23	315
250	650	405	355	320	3-26	12-Φ25	430
300	750	460	410	375	4-28	12-Φ25	480
350	850	520	470	435	4-32	16-Φ25	500
400	950	580	525	485	4-36	16-Φ30	520
450	1050	640	585	545	4-38	20-Φ30	580
500	1150	705	650	608	4-42	20-Φ34	630
600	1350	845	770	718	5-46	20-Φ41	780



Product introduction

The lift check valve has guide lever on the valve disc which can move up and down freely in the level guiding hole. When the medium flows in as per the specified direction and the pressure at the bottom of the disc is over the pressure at the top, it pushes the disc lifting along the center line of the guide hole and the valve is opened automatically and the medium is circulated; If the fluid flows in reversedly, the pressure at the top is higher than the one at the bottom of the disc. The pressure difference between the top and the bottom with the weight of the disc press the dic tightly to the valve seat so that the medium can not be circulated; And more, the more tightly the sealing is pressed, the better the sealing effect is.

Product features

List check valve has reasonable structure, reliable sealing, good performance. The sealing face of the valve disc and seat is butt-welded with iron-base alloy or stellite cobalt-base alloy, wearable, high temperature resistant, corrosive resistant, long service life. The lift check valve can be adopted any kinds of piping flange and flange sealing type which can meet any kinds of working conditions. The valve body material is of variety which can meet any pressure, temperature and medium conditions. The connection of the axis pin and the valve plate is adopted of built-in structure.

Product standard

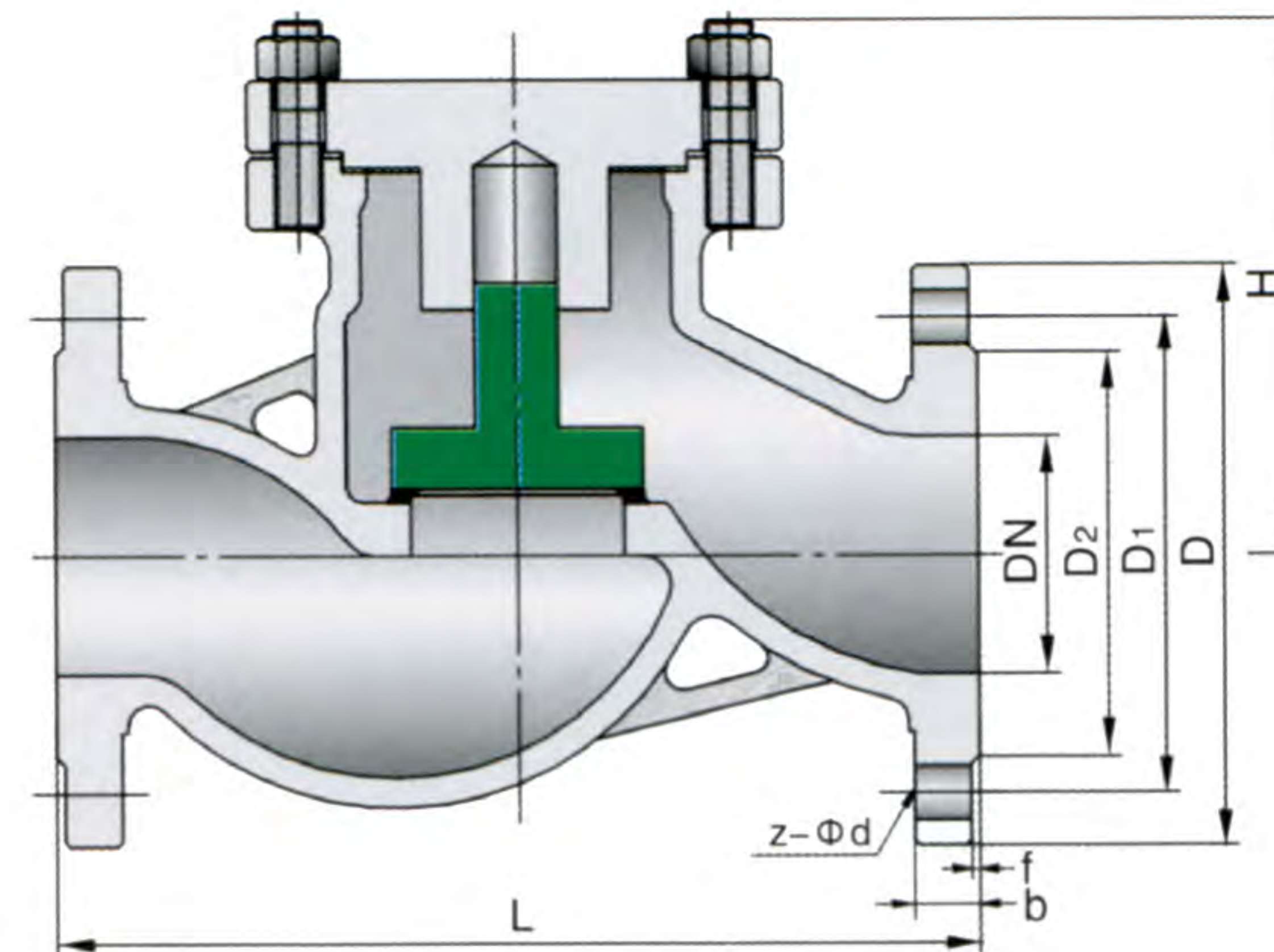
Design standard: GB12236-1989

Structure length: GB/T12221-1989

Pressure grade: GB9131
JB/T74

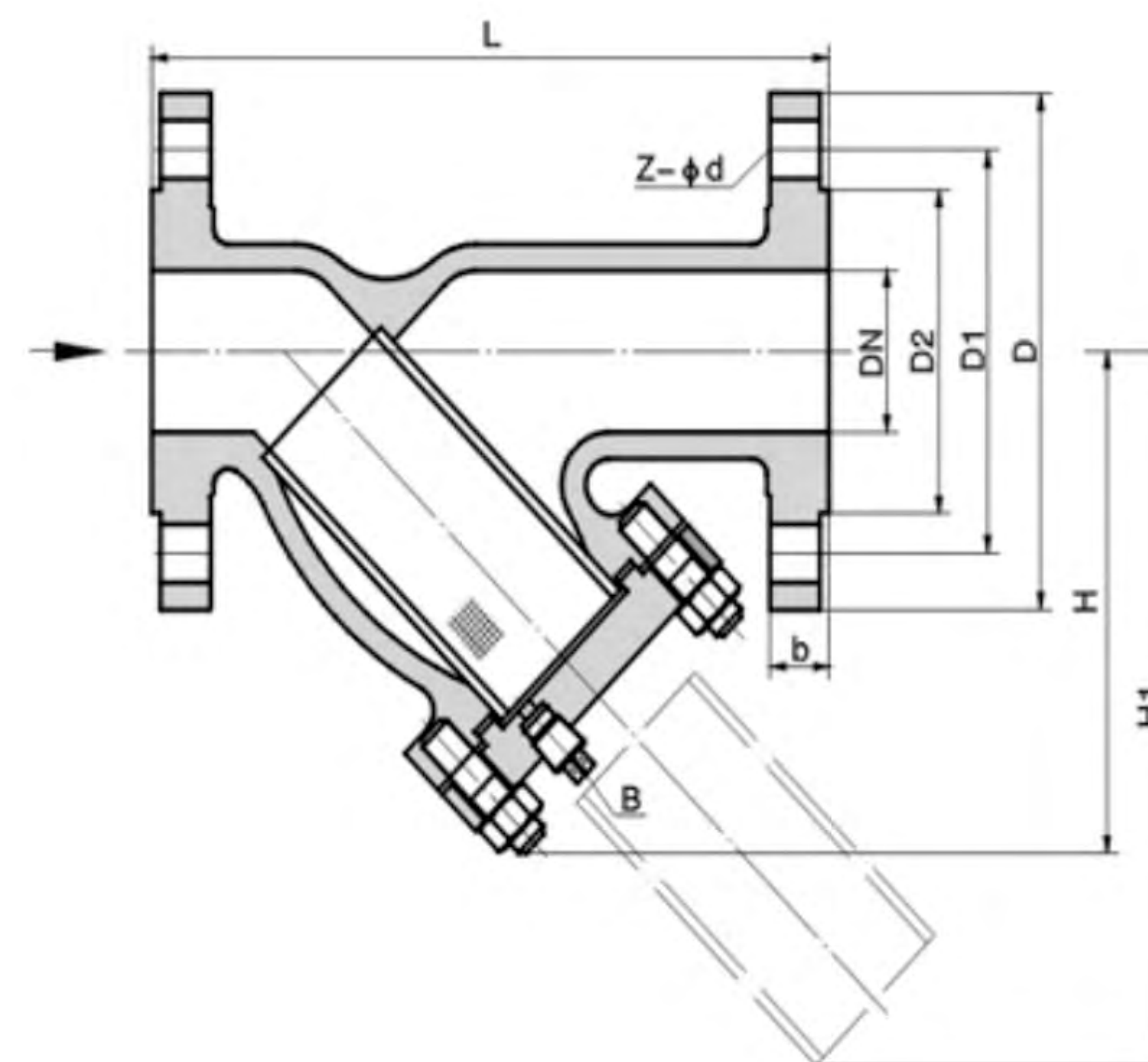
Flange stadard: JB/T74-90
GB9113

Test standard: JB/T9092-1999
GB13927



Product Outline Dimensions

							1.6Mpa
DN	L	D	D1	D2	b-f	z-Φd	H
15	130	95	65	45	2-14	4-Φ14	90
20	150	105	75	55	2-14	4-Φ14	105
25	160	115	85	65	2-14	4-Φ14	115
32	180	135	100	78	2-16	4-Φ18	120
40	200	145	110	85	3-16	4-Φ18	130
50	230	160	125	100	3-16	4-Φ18	140
65	290	180	145	120	3-18	4-Φ18	150
80	310	195	160	135	3-20	8-Φ18	170
100	350	215	180	155	3-20	8-Φ18	185
125	400	245	210	185	3-22	8-Φ18	195
150	480	280	240	210	3-24	8-Φ23	225
200	600	335	295	265	3-26	12-Φ23	250
250	650	405	355	320	3-30	12-Φ25	270
300	750	460	410	375	3-30	12-Φ25	300



Y-Type straine

Y-type strainer is the necessary filtering equipment for the hydraulic control valve and precise easy-blocked machinery products. It is normally installed at the entry end of the hydraulic control valve which can prevent the particles getting into the passage to result in clogging and not running normally. Y-type strainer has simple structure, small flow resistance which can drain the waste online and do not need to be disassembled. The filter screen mesh can be configured as per requirement. The normal scope: 18-30 mesh for water, 40-100 mesh for steam, 100-480 mesh for oil.

Product Standard:

Flange standard: GB/T17241.6、BS EN 1092-2
Structure length: GB/T12221、BS EN558
Test&inspection: GB/T13927、BS EN 12266
API598

Main parts material:

Valve body: ductile iron, stainless steel
Bonnet: ductile iron, stainless steel
Filter screen: SS304
Sealing ring: rubber, EPDM, NBR



Product outline dimensions

PN 1.6Mpa

Nominal diameter	L	H	H1	B	Effective filtration area
15	110	87	120	ZG3/8*	0.00185
20	130	105	148	ZG1/2*	0.00281
25	150	114	176	ZG1/2*	0.00343
32	160	124	193	ZG1/2*	0.00486
40	200	156	237	ZG1/2*	0.00767
50	220	181	270	ZG1/2*	0.0116
65	290	250	369	ZG3/4*	0.02111
80	310	280	429	ZG3/4*	0.03029
100	350	320	488	ZG3/4*	0.04033
125	400	374	547	ZG3/4*	0.05589
150	480	430	622	ZG3/4*	0.07709
200	550	515	741	ZG3/4*	0.11967



pneumatic gate valve



electric gate valve



high pressure gate valve



fluorine lined gate valve



fluorine lined gate valve



electric gate valve



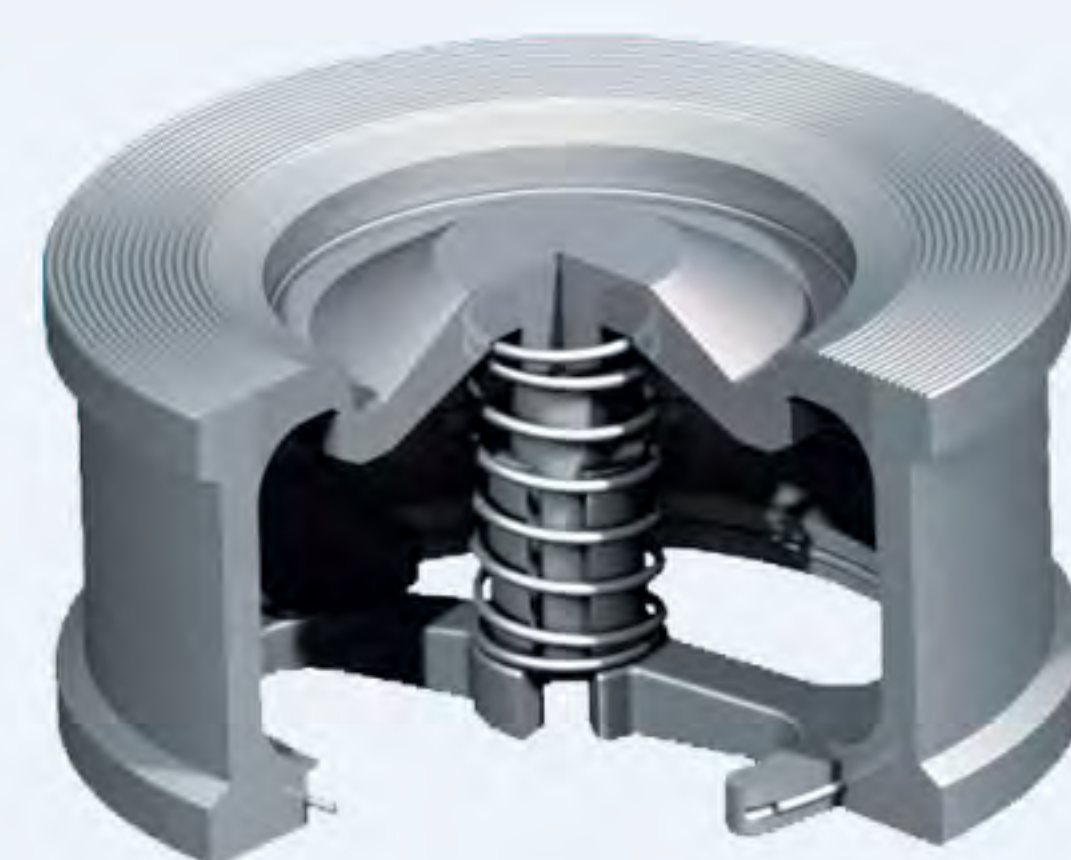
low pressure globe valve



fluorine lined globe valve



wafer single-disc swing check valve



wafer single-disc lift check valve



flanged single-disc lift check valve



flanged double-disc swing check valve

VEAPON Professional Cast Safety

Address: No. 22, Liuzhou North Road, Pukou District, Nanjing, Jiangsu Province, China.

Tel: 0086-025-58858678 Fax: 0086-025-58855535

Website: www.slv-cn.com E-mail: sales@slv-cn.com sales2@slv-cn.com