

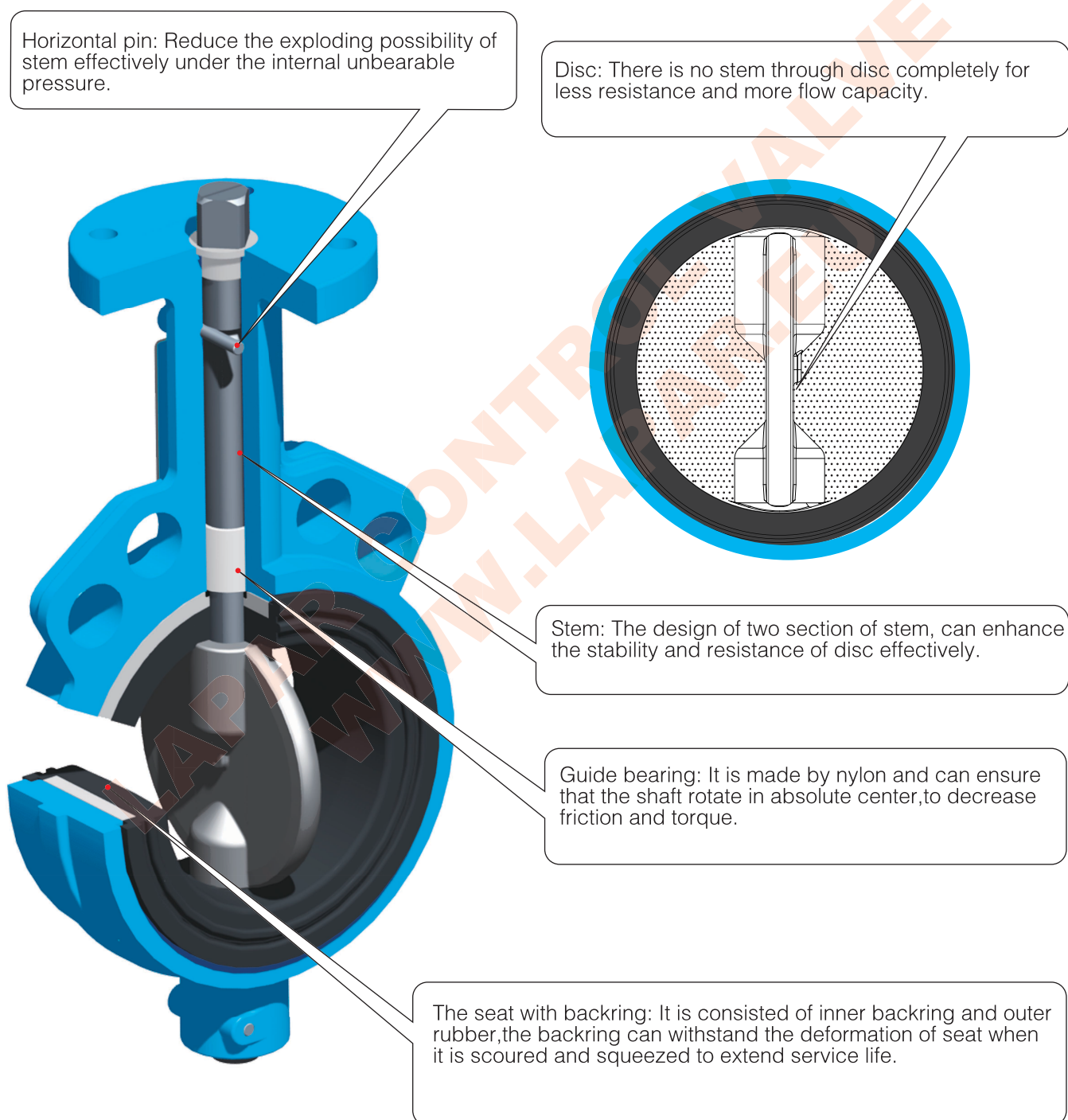


LPB14— High-performance Butterfly Valve

LAPAR
Lapar Control Valve

LPB14 high-performance butterfly valve, thick body, high strength, backrest support, uneasy deformation, erosion resistance, longer life. Applicable for water, oil and various liquid.

Design Feature





LPB14— High-performance Butterfly Valve



Code	Actuator	Action	Air Fail Position	Control	Structure	Body	Sealing	Disc	Connection DN	PN
LPB14-	1 Pneumatic 2 Pneumatic & Handwheel 3 Electric DC24V 4 Electric AC220V 5 Electric AC380V 7 Handle 8 Turbine 0 Others	D Double-acting S Single-acting 0 Others	1 Normally Open 2 Normally Close 3 Flexible 4 Held 0 Others	A On-off B Control C Intelligent 0 Others	1 A Type 2 LT Type 0 Others	C 304 D WCB Q QT E HT 0 Others	N NBR O EPDM H EPDM-H P PTFE U FPM X CR Z SI 0 Others	A 316L B 316 C 304 E QT+Nickel J QT+Nylon11 M B148 Y QT-F46 0 Others	2 Wafer 0 Others	0 Others

Parameter

Design Standard:

Valve body is designed to meet MSS SP-67 and API609.

Upper flange standards:

Valve mounting flange and stem shall be per ISO 5211.

Flange Standard:

LPB14: GB 9113.1、ANSI 150 B16.5、JIS B2211.

Pressure Rating:

Bi-directional bubble-tight shut off to: 16 bar(230psi)-----DN40~DN600mm

And tested to 110% of full rating: 18 bar(260psi)-----DN40~DN600mm

Shell Testing:

The body strength can stand 150% of full rating:

24 bar(340psi) -----DN40~DN600mm

Main Features:

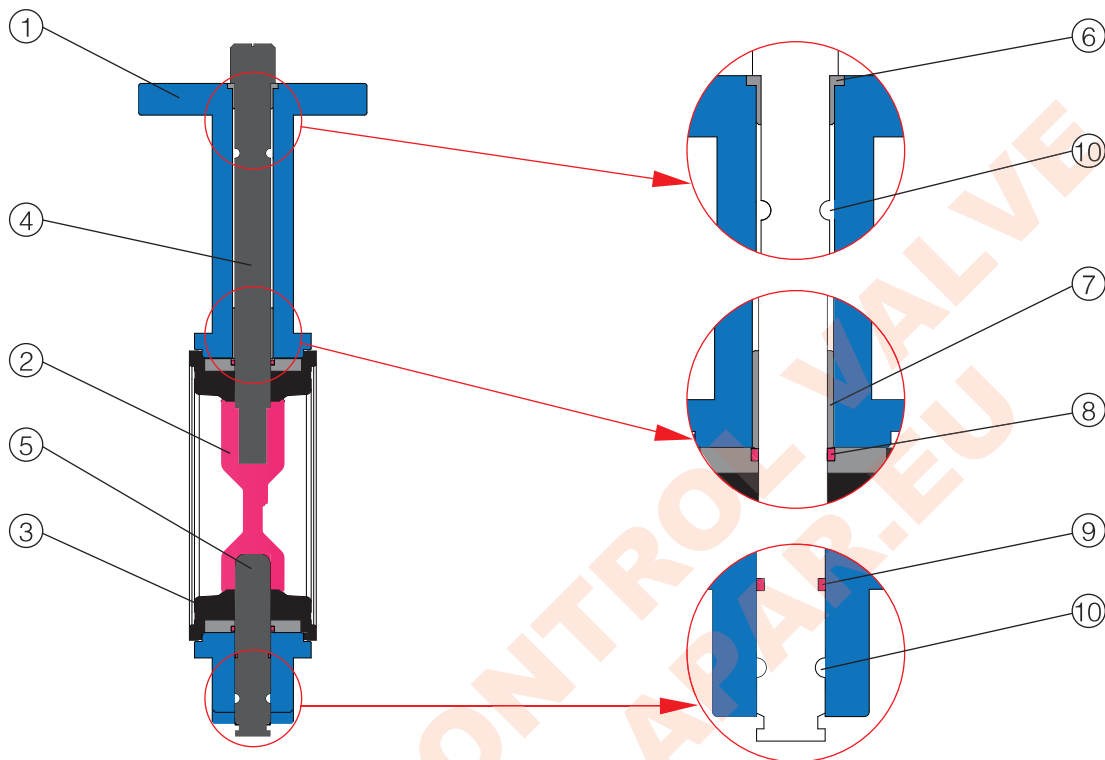
1. Tight sealing and zero leakage under rated pressure(1.0Mpa、1.6Mpa).
2. Multi-sealing design separates valve body from working media to ensure zero leakage.
3. Main parts are designed to fit exactly into each other to ensure a better sealing, smaller torque, bigger flow, lower fluid resistance as well as flexible two-side flow.
4. Scientific design for the sealing surface of valve seat makes a closed connection between the valve and the pipe flange without any additional accessories.
5. Designed and produced based on multi-standard system, so the valve could be applied to various of flange and enjoy excellent interchangeability.
6. All parts are embalmed, suitable for various complex work environment.

Others:

According to customer requirements.



DN40–600 Material



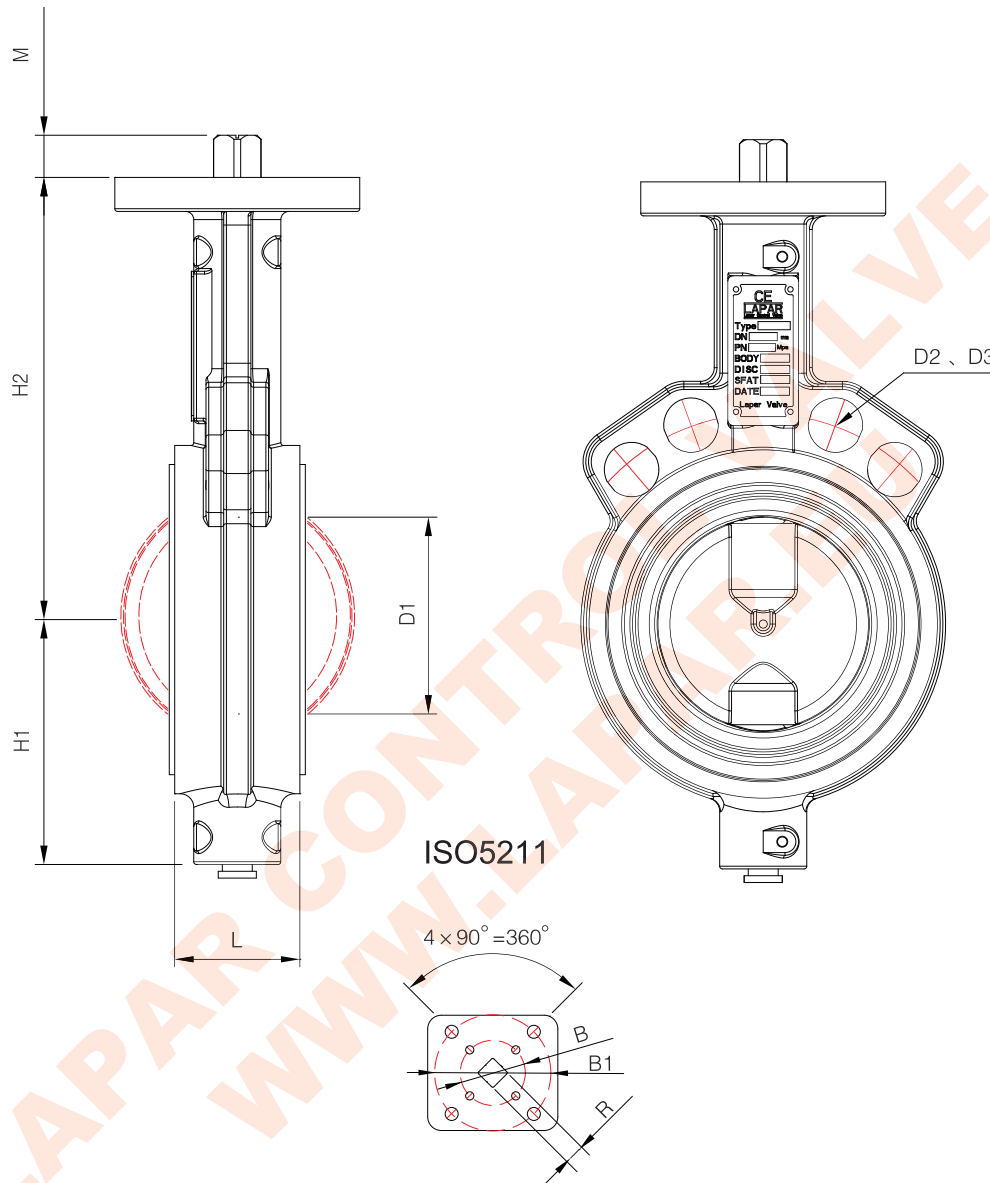
No.	Part	Material	Specification
1	Body	Cast Iron	ASTM A126,CLASS B
		Ductile Iron	ASTM A536,GR.65–45–12
		Stainless Steel	ASTM A351 Gr.CF8
		Carbon Steel	ASTM A351 Gr.CF8M
2	Disc	Stainless Steel	GB/T 12229–1989
		Ductile Iron	ASTM A351 Gr.CF8
		Alumium bronze	ASTM A351 Gr.CF8M
		NBR(Nitrile)	ASTM A536,GR.65–45–12
3	Seat	EPDM	ASTM B148,ALY.954
		Neoprene(CR)	ASTM D1418
		Silicon	ASTM D1418
		Viton	ASTM D1418
		PTFE	ASTM D1418
		Stainless Steel	ASTM D1600
		2Cr13	ASTM A276,S420
4	Top Stem	Stainless Steel	GB 1220–92
5	Bottom Stem	Stainless Steel	ASTM A276,S420
6	Top Bearing	NYLON	GB 1220–92
7	Bottom Bearing	NYLON	
8	Seat–Ring	BUNA–N	
		EPDM	
		VITON	
9	Sleeve–Ring	BUNA–N	
		EPDM	
		VITON	
10	Pin	Stainless Steel	



LPB14- High-performance Butterfly Valve



A Type Size: DN40–600



PN10/16/ ANSI 150LB

Unit:mm

SIZE		L	D1	D2	D3	H1	H2	M	R	B	B1	ISO5211
DN40	1-1/2"	33	34	110	98.4	65	125	15	14	50	70	F05-F07
DN50	2"	43	39	125	120.7	78	140	15	14	50	70	F05-F07
DN65	2-1/2"	46	55	145	139.7	84	152	15	14	50	70	F05-F07
DN80	3"	46	69	160	152.4	95	159	15	14	50	70	F05-F07
DN100	4"	52	91	180	190.5	108	178	20	14	50	70	F05-F07
DN125	5"	56	115	210	215.9	125	190	20	17	—	70	F07
DN150	6"	56	140	240	241.3	141	203	20	17	—	70	F07
DN200	8"	60	186	295	298.5	167	238	24	22	—	102	F10
DN250	10"	68	239	355	362.0	200	258	29	27	—	102	F10
DN300	12"	78	288	410	431.8	235	306	29	27	—	102	F10
DN350	14"	78	325	470	476.3	294	343	50.8	27	—	140	F14
DN400	16"	102	375	525	539.8	322	375	50.8	36	—	140	F14
DN450	18"	114	423	585	577.9	346	394	76	36	—	165	F16
DN500	20"	127	473	650	635.0	384	426	76	46	—	165	F16
DN600	24"	154	560	770	749.3	459	492	78	46	—	165	F16

Note: D2 is designed to meet GB9113.1

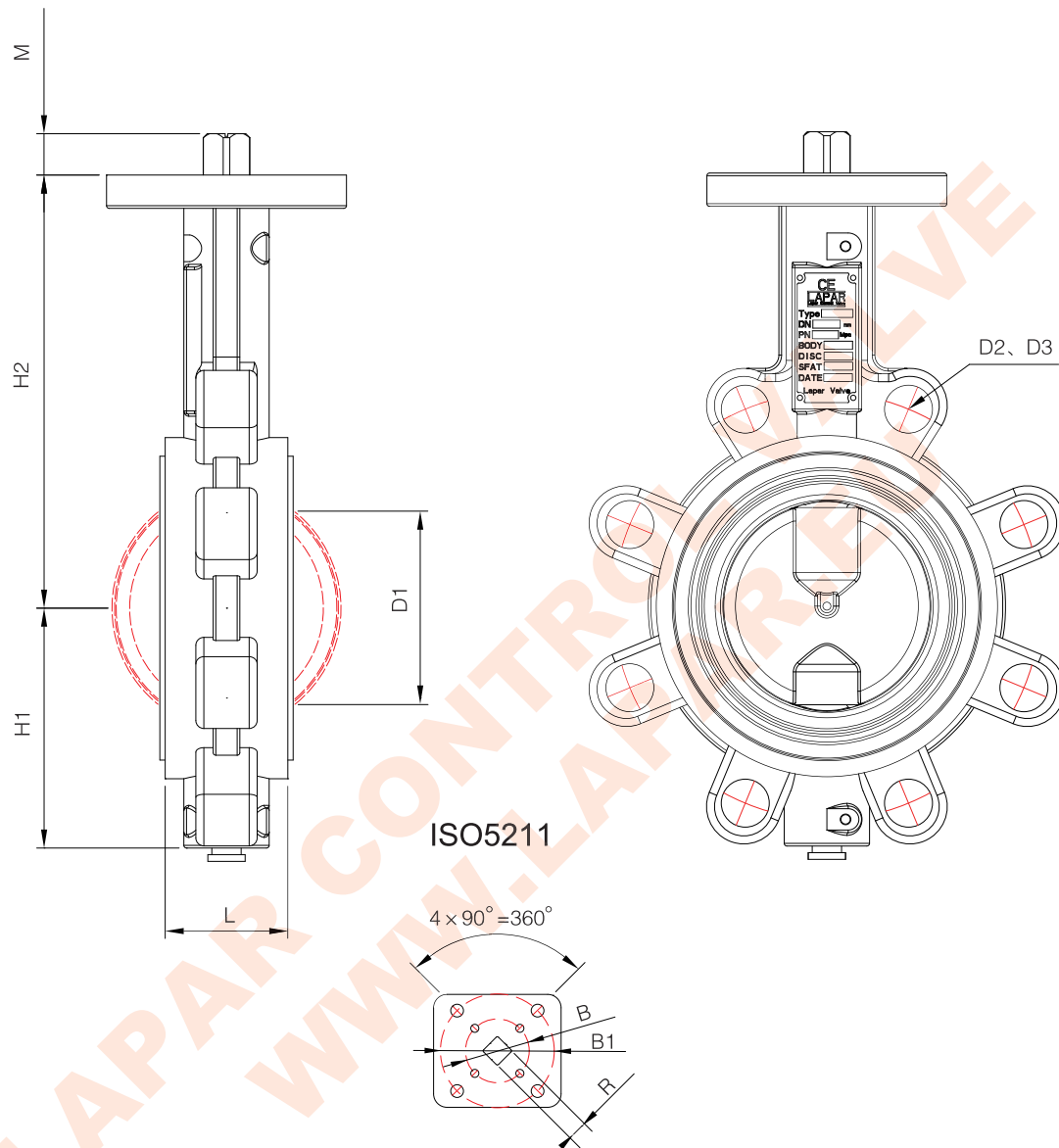
D3 is designed to meet ANSI 150 B16.5



LPB14— High-performance Butterfly Valve



LT Type Size: DN40–600



PN10/16/ANSI 150LB

Unit:mm

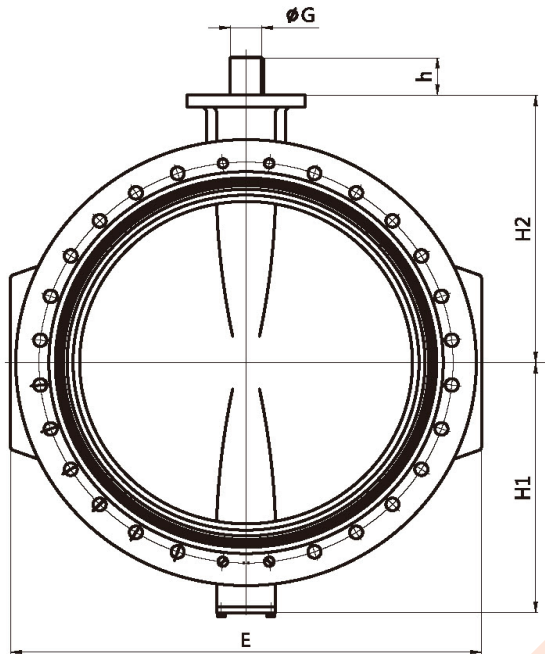
SIZE	L	D1	D2	D3	H1	H2	M	R	B	B1	ISO5211
DN40	1-1/2"	33	34	110	98.4	65	125	15	14	50	F05-F07
DN50	2"	43	39	125	120.7	78	140	15	14	50	F05-F07
DN65	2-1/2"	46	55	145	139.7	84	152	15	14	50	F05-F07
DN80	3"	46	69	160	152.4	95	159	15	14	50	F05-F07
DN100	4"	52	91	180	190.5	108	178	20	14	50	F05-F07
DN125	5"	56	115	210	215.9	125	190	20	17	—	F07
DN150	6"	56	140	240	241.3	141	203	20	17	—	F07
DN200	8"	60	186	295	298.5	167	238	24	22	—	F10
DN250	10"	68	239	355	362.0	200	258	29	27	—	F10
DN300	12"	78	288	410	431.8	235	306	29	27	—	F10
DN350	14"	78	325	470	476.3	294	343	50.8	27	—	F14
DN400	16"	102	375	525	539.8	322	375	50.8	36	—	F14
DN450	18"	114	423	585	577.9	346	394	76	36	—	F16
DN500	20"	127	473	650	635.0	384	426	76	46	—	F16
DN600	24"	154	560	770	749.3	459	492	78	46	—	F16

Note: D2 is designed to meet GB9113.1

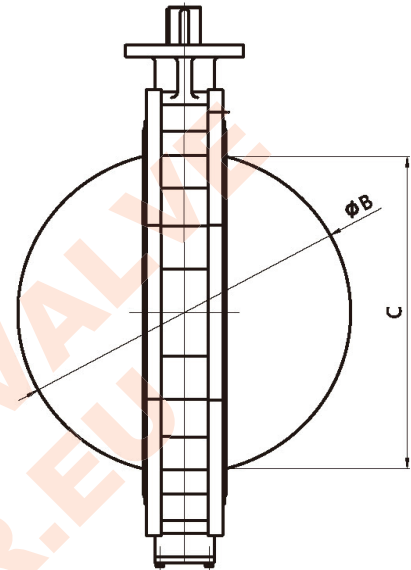
D3 is designed to meet ANSI 150 B16.5



U Type With Alignment Holes Size: DN500–2400

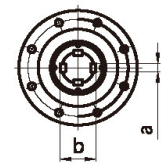
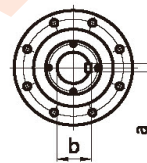
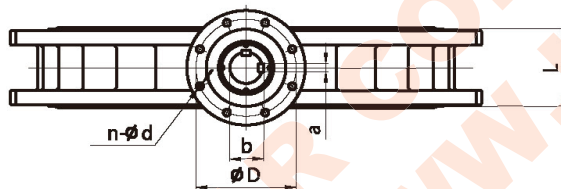


DN900~1200, DN1600, DN1800



DN500~800

DN1300, DN1400, DN2000~DN2400



PN10/16/ ANSI 150LB

Unit:mm

SIZE	L	H1	H2	E	H	B	C	G	a	b	D	n-Ød	ISO5211
DN500	127	385	425	750	65	485	468	60	18	64	165	4-22	F16
DN600	154	438	495	864	70	585	565	60	18	64	165	4-22	F16
DN700	165	518	570	960	80	680	660	70	20	74.5	254	8-18	F25
DN750	165	545	610	1010	80	730	710	70	20	74.5	254	8-18	F25
DN800	190	567	640	1084	80	773	749	70	20	74.5	254	8-18	F25
DN900	203	650	700	1194	100	876	852	80	22	85	254	8-18	F25
DN1000	216	715	750	1320	100	976	952	80	22	85	298	8-22	F30
DN1100	254	812	820	1450	120	1080	1050	100	28	106	298	8-22	F30
DN1200	254	860	870	1520	120	1175	1147	100	28	106	298	8-22	F30
DN1300	276	935	620	1680	120	1276	1232	100	28	112	298	8-22	F30
DN1400	279	975	1015	1730	140	1385	1358	120	32	134	298	8-22	F30
DN1500	254	1110	1130	1830	180	1487	1895	130	32	138	406	8-39	F40
DN1600	254	1190	1200	1960	180	1570	1560	130	32	138	406	8-39	F40
DN1800	356	1275	1290	2170	200	1743	1704	150	36	158	406	8-39	F40
DN2000	406	1450	1465	2240	205	1945	1890	160	40	178	483	12-39	F48
DN2200	406	1505	1565	2610	205	2120	2090	160	40	178	483	12-39	F48
DN2400	406	1590	1675	2820	205	2300	2270	160	40	178	483	12-39	F48

Note: DN2000 to DN2400 only PN10/150psi.