

BRAZILIAN
INDUSTRY



Interválvulas

PRODUCT CATALOG

INDUSTRIAL VALVES

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EXCELLENCE IN INDUSTRIAL VALVES WITH GLOBAL REACH

Located in Ribeirão Preto – SP, one of the largest industrial hubs in the interior of São Paulo state, we are a company specialized in the manufacturing and maintenance of industrial valves, serving various sectors with excellence: sugar, ethanol, chemical, petrochemical, pulp and paper, sanitation, steel, mining, pharmaceutical, and food industries.

With our own infrastructure and a highly qualified team, we combine technical expertise with partnerships with certified suppliers, ensuring the correct and safe specification of valves for each application.

Our engineering department is focused on the development of special projects, offering customized solutions according to the specific demands of each client.

We are a 100% Brazilian company, positioned among the largest valve manufacturers in the country. We operate strongly in the national market and also export to several countries, consolidating a solid and growing international presence.

We stand out for our commitment to continuous improvement and the highest quality, in addition to offering complete technical support to ensure the proper functioning of the supplied products. For our clients' peace of mind, we provide 24-hour technical assistance.



Mission:

To provide technological and innovative solutions for flow control, ensuring excellence in the quality and reliability of the products and services offered, contributing to the progress and sustainable development of our clients, suppliers, and employees.



Vision:

To be recognized as a leading Brazilian manufacturer of valves for industrial purposes, serving both national and international industries.



Values:

Quality and excellence in products and services. Ethics, transparency, honesty, and professionalism. Commitment and fulfillment of assumed obligations. Respect for the values of clients, suppliers, and employees. Sustainability in economic, social, and environmental development.

CERTIFICATIONS

Company certified under the NBR ISO 9001:2015 standard, with a quality system recognized internationally. This further ensures the quality of our products and the complete satisfaction of our customers.

We monitor product quality from receipt to final release, ensuring a high standard of quality and full product traceability.



ISO 9001:2015



CRC PETROBRÁS



LOCAL CONTENT
CERTIFICATE



TYPE APPROVAL



FIRE SAFE
ISO 10497

MARKETS SERVED

- Sugar and Ethanol
- Chemical Industry
- Naval and Offshore
- Petrochemical
- Pulp and Paper
- Sanitation
- Steel Industry
- Mining
- Pharmaceutical Industry
- Food Industry



CONCENTRIC BUTTERFLY VALVES

CLASSES 150/300



Wafer



Lug

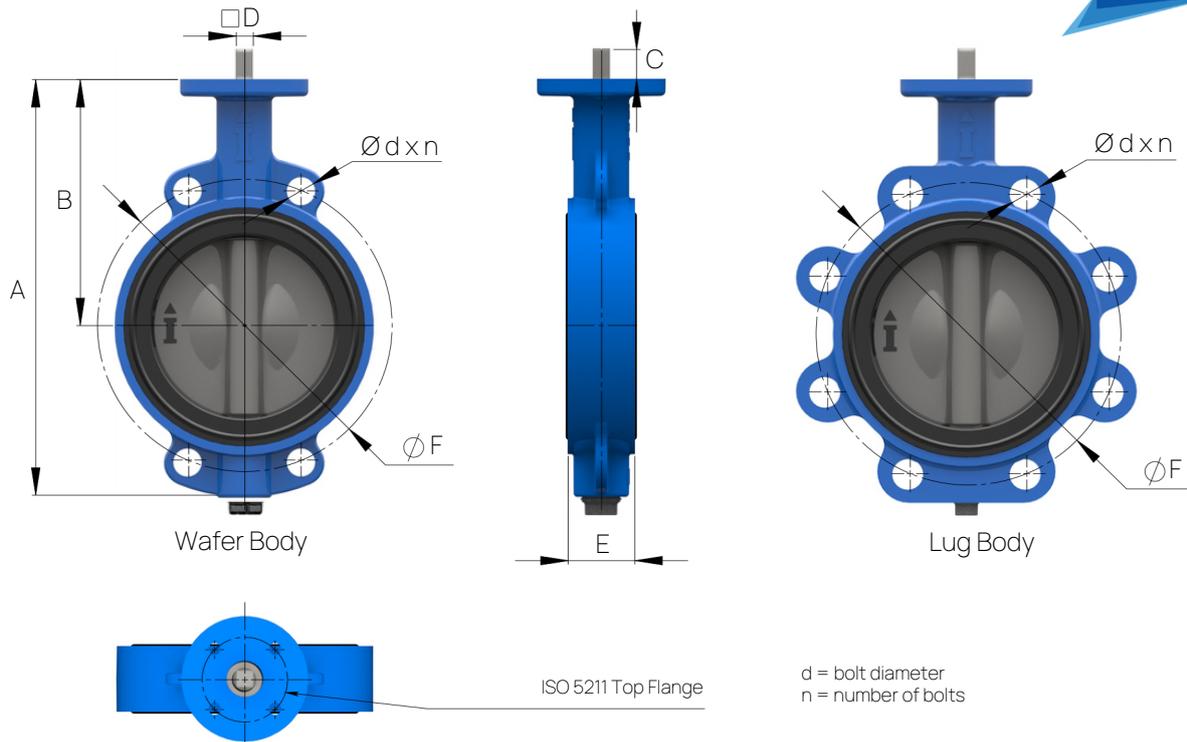
SERIES	MODEL	CLASS	CONNECTION	DIAMETERS
S105 / S100	One-Piece Concentric Butterfly Valve	150 e 300	Wafer	2" a 60"
			Lug	2" a 60"
S155	Two-Piece Concentric Butterfly Valve	150	Wafer	2" a 60"
			Lug	2" a 60"

Construction Standard	API 609
Face-to-Face Dimension	API 609 Category A
Connection Standards	ASME, ISO, DIN, and JIS
Testing Standards	API 598
Body and Disc Materials	Ductile Iron, WCB, CF8, CF8M, Aluminum Bronze, and Special Alloys upon request
Sealing Materials	EPDM, Buna, Viton, Silicone, Brastec, SBR, Hypalon, PTFE



Wafer-Type Two-Piece with PTFE Seat

Dimensional Table
Concentric Butterfly Valves – Classes 150/300



DIAMETER		DIMENSIONS (mm)							
POL.	mm	CL 150 / CL 300							
		A	B	C	□ D	E	ØF *	Ød x n *	TOP FLANGE (ISO 5211)
2	50	213 / 250	140 / 169	22 / 22	11 / 11	41,5 / 41,5	120,6 / 127	5/8" x 4 / 5/8" x 8	F07
2.1/2	62,5	229,3 / 300	151,8 / 205	15 / 22	11 / 11	44,5 / 46	139,7 / 149,4	5/8" x 4 / 3/4" x 8	F07
3	75	247 / 325	161 / 225	13 / 21	11 / 11	44,5 / 46	152,4 / 168,1	5/8" x 4 / 5/8" x 8	F07
4	100	294 / 345	179 / 228	21 / 21	11 / 14	50,5 / 52	190,5 / 200,2	5/8" x 8 / 3/4" x 8	F07
5	125	314 / 397	191 / 260	27 / 34	14 / 14	54,5 / 54,5	215,9 / 235	3/4" x 8 / 3/4" x 8	F07
6	150	343 / 432	275 / 277	34 / -	14 / -	56 / 56	241,3 / 269,7	3/4" x 8 / 3/4" x 12	F10/F12
8	200	415 / 530	242,5 / 344	31,2 / 34,50	17 / 22	63 / 64	298,4 / 330,2	3/4" x 8 / 7/8" x 12	F10/F12
10	250	485 / 601	275 / 365	34 / 32	22 / 27	65 / 85	362 / 387,4	7/8" x 12 / 1" x 16	F10/F12
12	300	565 / 644	311 / 392	35 / 34	22 / 27	76 / 92	431,8 / 450,8	7/8" x 12 / 1 1/8" x 16	F10/F12
14	350	587 / 695	316 / 416	40 / 34	27 / 27	76 / 92	476,2 / 514,4	1" x 12 / 1 1/8" x 20	F10/F12
16	400	640 / 754	340 / 438	40 / 30	27 / 27	102 / 102	539,8 / 571,5	1" x 16 / 1 1/4" x 20	F12/F14/F16
18	450	719 / 852	370,5 / 506	38 / 45,5	36 / 36	111 / 140	577,8 / 628,6	1 1/8" x 16 / 1 1/4" x 24	F12/F14/F16
20	500	792 / 890	410 / 531	38 / 50	36 / 36	127 / 159	635 / 685,8	1 1/8" x 20 / 1 1/4" x 24	F12/F14/F16
24	600	952 / 1051	494,5 / 611	48 / 55	46 / 46	151 / 180	749,3 / 812,8	1 1/4" x 20 / 1 1/2" x 24	F12/F14/F16
26	650	1064,2	597,7	59	46	140	806,4 / 876,3	1 1/4" x 24 / 1 5/8" x 28	-
28	700	1180,5	657	56,8	46	174,3	863,6 / 939,8	1 1/4" x 28 / 1 5/8" x 28	-
30	750	1203,5	670	60	55	165	914,4 / 997	1 1/4" x 28 / 1 3/4" x 28	-
32	800	1276,5	705	60	55	176	977,9 / 1054,1	1 1/2" x 28 / 1 7/8" x 28	-
34	850	1334,2	733,8	50	55	176	1028,7 / 1104,9	1 1/2" x 32 / 1 7/8" x 28	-
36	900	1395,3	770	81,2	75	200	1085,8 / 1168,4	1 1/2" x 32 / 2" x 32	-
40	1000	1551,5	860	78	75	230	1200,2 / 1155,7	1 1/2" x 36 / 1 5/8" x 32	-
42	1050	1668,7	870	78,7	75	251	1257,3 / 1206,5	1 1/2" x 36 / 1 5/8" x 32	-
44	1100	1690,9	942	80	75	251	1314,4 / 1263,6	1 1/2" x 40 / 1 3/4" x 32	-
46	1150	1829	966	81,7	75	257,2	1365,2 / 1320,8	1 1/2" x 40 / 1 7/8" x 28	-
48	1200	1783,4	972	77,7	75	276	1422,4 / 1371,6	1 1/2" x 44 / 1 7/8" x 32	-
50	1250	1887,6	1020	87,7	75	260	1479,6 / 1428,8	1 3/4" x 44 / 2" x 32	-
54	1350	1926,9	1048	-	-	387,5	1593,8 / 1549,4	1 3/4" x 44 / 2 1/4" x 28	-
60	1500	2202	1200	-	-	390	1759 / 1701,8	1 3/4" x 52 / 2 1/4" x 32	-

Diameters not listed are available upon request. Dimensions are subject to change without prior notice.
*Dimensions in accordance with ASME B16.5 and ASME B16.47 standards. Please consult for other connection standards.

HIGH-PERFORMANCE DOUBLE-OFFSET BUTTERFLY VALVES

CLASSES 150/300



S250 14" with AirTorque Pneumatic Actuator

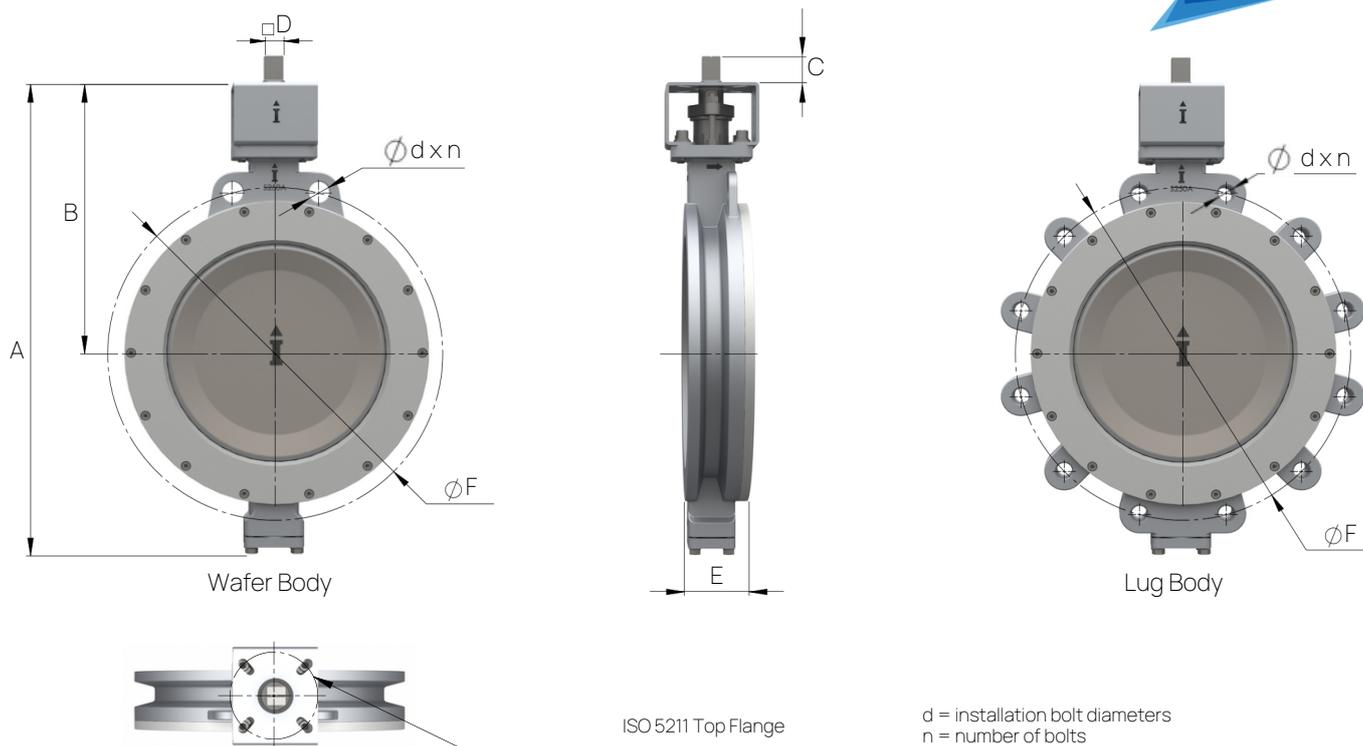
SERIES	MODEL	CLASS	CONNECTION	DIAMETERS
S250	Double-Offset Butterfly Valve with Resilient Seal	150	Wafer	2" a 60"
			Lug	2" a 60"
		300	Wafer	2" a 60"
			Lug	2" a 60"
	Double-Offset Butterfly Valve with Metal-to-Metal Seal	150	Wafer	2" a 60"
			Lug	2" a 60"
		300	Wafer	2" a 60"
			Lug	2" a 60"
Double-Offset Butterfly Valve with Resilient Seal	PN3	Wafer	30" a 60"	
		BW	30" a 60"	

Construction Standard	API 609
Face-to-Face Dimension	API 609 Cat. B
Connection Standards	ASME, ISO, DIN, and JIS
Testing Standards	Locking: API 598 Control (Metal-to-Metal) ANSI FCI 70-2
Body and Disc Materials	WCB, CF8, CF8M, Aluminum Bronze, and Special Alloys available upon request
Sealing Materials	RTFE, Metal-to-Metal



Dimensional Table

High-Performance Double-Offset Butterfly Valves – Classes 150/300



DIAMETER		DIMENSIONS (mm)							
POL.	mm	CL 150 / CL 300							
		A	B	C	□ D	E	ØF*	Ød x n*	TOP FLANGE (ISO 5211)
2	50	244	163	17	11	43,5 / 43,5	120,6 / 127	5/8" x 4 / 5/8" x 8	F07
2.1/2	62,5	264,1	173	20	11	45 / 45	139,7 / 149,4	5/8" x 4 / 3/4" x 8	F07
3	75	285,1 / 311,5	203	23	11	50,2 / 50,2	152,4 / 168,1	5/8" x 4 / 5/8" x 8	F07
4	100	339	219	24	14	57 / 57	190,5 / 200,2	5/8" x 8 / 3/4" x 8	F07
5	125	361	222,8	27,2	14	56,4 / 56,4	215,9 / 235	3/4" x 8 / 3/4" x 8	F07
6	150	414 / 439	255 / 276,4	27,6	17	58 / 60	241,3 / 269,7	3/4" x 8 / 3/4" x 12	F10/F12
8	200	468 / 527,3	282 / 309,4	24	22	65 / 73	298,4 / 330,2	3/4" x 8 / 7/8" x 12	F10/F12
10	250	529 / 596,5	313 / 344,4	24 / 30,5	22 / 27	71 / 83	362 / 387,4	7/8" x 12 / 1" x 16	F10/F12
12	300	619,3 / 680,3	331,4 / 395	31	27	83 / 92	431,8 / 450,8	7/8" x 12 / 1 1/8" x 16	F10/F12
14	350	686 / 798,3	397 / 465,7	31 / 48,1	27 / 46	92 / 118	476,2 / 514,4	1" x 12 / 1 1/8" x 20	F10/F12
16	400	757,5	431,7	40	36	102 / 133	539,8 / 571,5	1" x 16 / 1 1/4" x 20	F12/F14/F16
18	450	802,2 / 954,6	460,7 / 502	40 / 52	36 / 46	114,1 / 149	577,8 / 628,6	1 1/8" x 16 / 1 1/4" x 24	F12/F14/F16
20	500	908	522,7	51	45	129,5 / 159	635 / 685,8	1 1/8" x 20 / 1 1/4" x 24	-
24	600	1093,2	654,1	53,4	46	153 / 181	749,3 / 812,8	1 1/4" x 20 / 1 1/2" x 24	-
26	650	1064,2	597,7	59	46	140	806,4 / 876,3	1 1/4" x 24 / 1 5/8" x 28	-
28	700	1180,5	657	56,8	46	174,3	863,6 / 939,8	1 1/4" x 28 / 1 5/8" x 28	-
30	750	1203,5	670	60	55	165	914,4 / 997	1 1/4" x 28 / 1 3/4" x 28	-
32	800	1276,5	705	60	55	176	977,9 / 1054,1	1 1/2" x 28 / 1 7/8" x 28	-
34	850	1334,2	733,8	50	55	176	1028,7 / 1104,9	1 1/2" x 32 / 1 7/8" x 28	-
36	900	1395,3	770	81,2	75	216	1085,8 / 1168,4	1 1/2" x 32 / 2" x 32	-
40	1000	1551,5	860	78	75	230	1200,2 / 1155,7	1 1/2" x 36 / 1 5/8" x 32	-
42	1050	1668,7	870	78,7	75	240,5	1257,3 / 1206,5	1 1/2" x 36 / 1 5/8" x 32	-
44	1100	1690,9	942	80	75	251	1314,4 / 1263,6	1 1/2" x 40 / 1 3/4" x 32	-
46	1150	1829	966	81,7	75	257,2	1365,2 / 1320,8	1 1/2" x 40 / 1 7/8" x 28	-
48	1200	1783,4	972	77,7	75	256	1422,4 / 1371,6	1 1/2" x 44 / 1 7/8" x 32	-
50	1250	1887,6	1020	87,7	75	260	1479,6 / 1428,8	1 3/4" x 44 / 2" x 32	-
54	1350	1926,9	1048	-	-	387,5	1593,8 / 1549,4	1 3/4" x 44 / 2 1/4" x 28	-
60	1500	2202	1200	-	-	390	1759 / 1701,8	1 3/4" x 52 / 2 1/4" x 32	-

Diameters not listed are available upon request. Dimensions are subject to change without prior notice.

*Dimensions conform to ASME B16.5 and ASME B16.47 standards. Please consult for other connection standards.

TRIPLE-OFFSET BUTTERFLY VALVES

CLASSES 150/300/600



FIRE SAFE



S300 12" with Gearbox Actuation

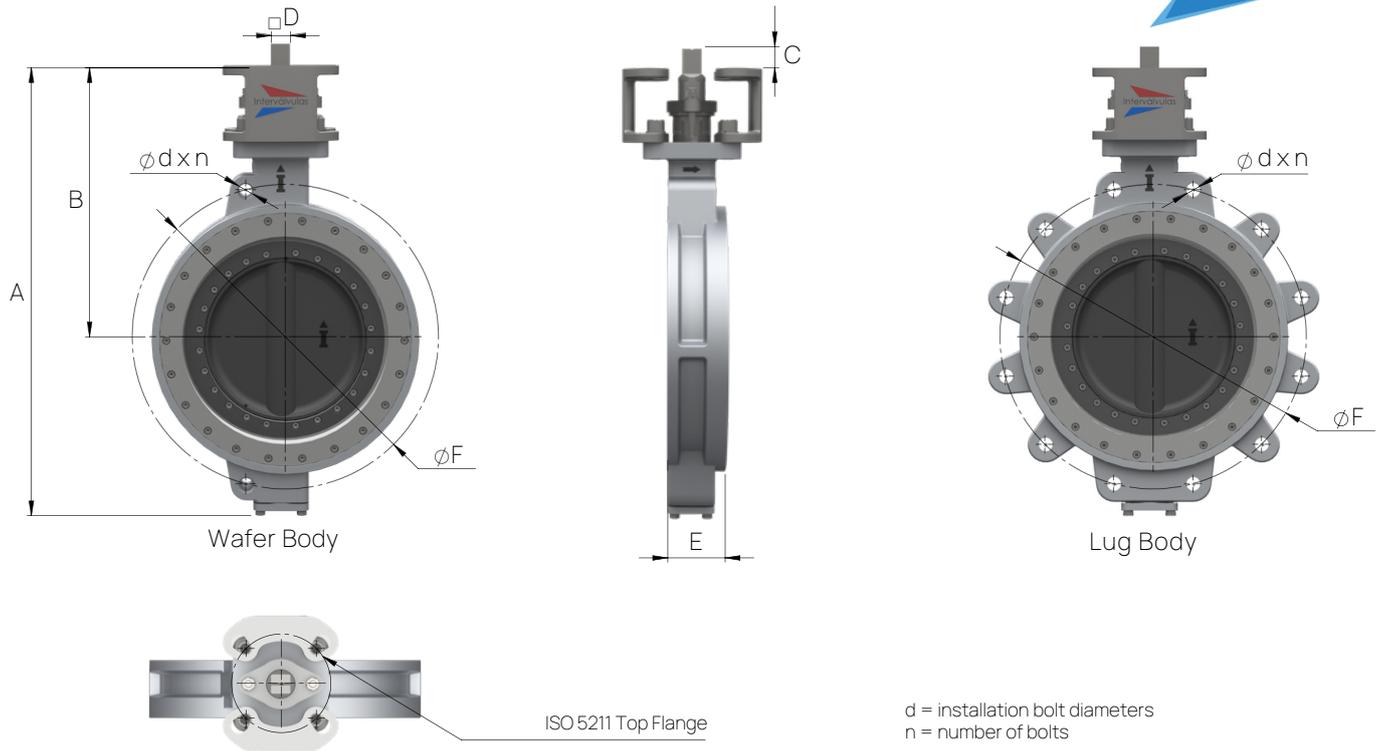
SERIES	MODEL	CLASS	CONNECTION	DIAMETERS
S300	Triple-Offset Butterfly Valve with Metal-to-Metal Seal	150	Wafer	2" a 60"
			Lug	2" a 60"
			Flangeada	2" a 60"
		300	Wafer	2" a 60"
			Lug	2" a 60"
			Flangeada	2" a 60"
		600	Wafer	2" a 60"
			Lug	2" a 60"
			Flangeada	2" a 60"

Construction Standard	API 609
Face-to-Face Dimension	API 609 Cat. B
Connection Standards	ASME, ISO, DIN, and JIS
Testing Standards	API 598
Body and Disc Materials	WCB, CF8, CF8M, Duplex, Super Duplex, and special alloys available upon request
Sealing Materials	Metal-to-Metal



Dimensional Table

High-Performance Triple-Offset Butterfly Valves – Classes 150/300/600



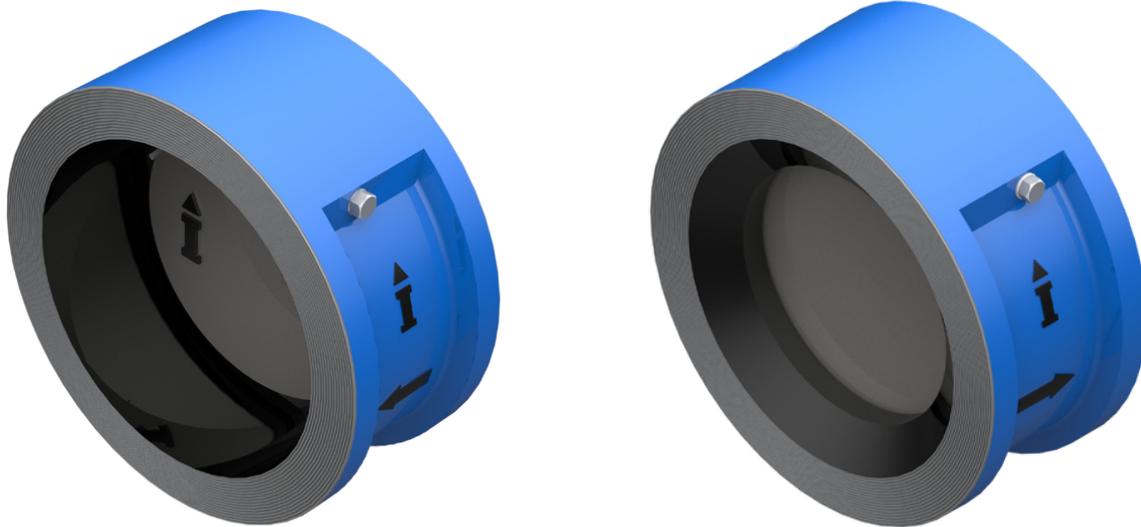
DIAMETER		DIMENSIONS (mm)							
POL.	mm	CL 150 / CL 300							
		A	B	C	□ D	E	ØF*	Ød x n*	TOP FLANGE (ISO 5211)
2	50	244	163	17	11	43,5 / 43,5	120,6 / 127	5/8" x 4 / 5/8" x 8	F07
2.1/2	62,5	264,1	173	20	11	45 / 45	139,7 / 149,4	5/8" x 4 / 3/4" x 8	F07
3	75	285,1 / 311,5	203	23	11	50,2 / 50,2	152,4 / 168,1	5/8" x 4 / 5/8" x 8	F07
4	100	339	219	24	14	57 / 57	190,5 / 200,2	5/8" x 8 / 3/4" x 8	F07
5	125	361	222,8	27,2	14	56,4 / 56,4	215,9 / 235	3/4" x 8 / 3/4" x 8	F07
6	150	414 / 439	255 / 276,4	27,6	17	58 / 60	241,3 / 269,7	3/4" x 8 / 3/4" x 12	F10/F12
8	200	468 / 527,3	282 / 309,4	24	22	65 / 73	298,4 / 330,2	3/4" x 8 / 7/8" x 12	F10/F12
10	250	529 / 596,5	313 / 344,4	24 / 30,5	22 / 27	71 / 83	362 / 387,4	7/8" x 12 / 1" x 16	F10/F12
12	300	619,3 / 680,3	331,4 / 395	31	27	83 / 92	431,8 / 450,8	7/8" x 12 / 1 1/8" x 16	F10/F12
14	350	686 / 798,3	397 / 465,7	31 / 48,1	27 / 46	92 / 118	476,2 / 514,4	1" x 12 / 1 1/8" x 20	F10/F12
16	400	757,5	431,7	40	36	102 / 137	539,8 / 571,5	1" x 16 / 1 1/4" x 20	F12/F14/F16
18	450	802,2 / 954,6	460,7 / 502	40 / 52	36 / 46	114,1 / 149	577,8 / 628,6	1 1/8" x 16 / 1 1/4" x 24	F12/F14/F16
20	500	908	522,7	51	45	129,5 / 159	635 / 685,8	1 1/8" x 20 / 1 1/4" x 24	-
24	600	1093,2	654,1	53,4	46	153 / 181	749,3 / 812,8	1 1/4" x 20 / 1 1/2" x 24	-
26	650	1064,2	597,7	59	46	140	806,4 / 876,3	1 1/4" x 24 / 1 5/8" x 28	-
28	700	1180,5	657	56,8	46	174,3	863,6 / 939,8	1 1/4" x 28 / 1 5/8" x 28	-
30	750	1203,5	670	60	55	165	914,4 / 997	1 1/4" x 28 / 1 3/4" x 28	-
32	800	1276,5	705	60	55	176	977,9 / 1054,1	1 1/2" x 28 / 1 7/8" x 28	-
34	850	1334,2	733,8	50	55	176	1028,7 / 1104,9	1 1/2" x 32 / 1 7/8" x 28	-
36	900	1395,3	770	81,2	75	216	1085,8 / 1168,4	1 1/2" x 32 / 2" x 32	-
40	1000	1551,5	860	78	75	230	1200,2 / 1155,7	1 1/2" x 36 / 1 5/8" x 32	-
42	1050	1668,7	870	78,7	75	240,5	1257,3 / 1206,5	1 1/2" x 36 / 1 5/8" x 32	-
44	1100	1690,9	942	80	75	251	1314,4 / 1263,6	1 1/2" x 40 / 1 3/4" x 32	-
46	1150	1829	966	81,7	75	257,2	1365,2 / 1320,8	1 1/2" x 40 / 1 7/8" x 28	-
48	1200	1783,4	972	77,7	75	256	1422,4 / 1371,6	1 1/2" x 44 / 1 7/8" x 32	-
50	1250	1887,6	1020	87,7	75	260	1479,6 / 1428,8	1 3/4" x 44 / 2" x 32	-
54	1350	1926,9	1048	-	-	387,5	1593,8 / 1549,4	1 3/4" x 44 / 2 1/4" x 28	-
60	1500	2202	1200	-	-	390	1759 / 1701,8	1 3/4" x 52 / 2 1/4" x 32	-

Diameters not listed are available upon request. Dimensions are subject to change without prior notice.

*Dimensions conform to ASME B16.5 and ASME B16.47 standards. Please consult for other connection standards.

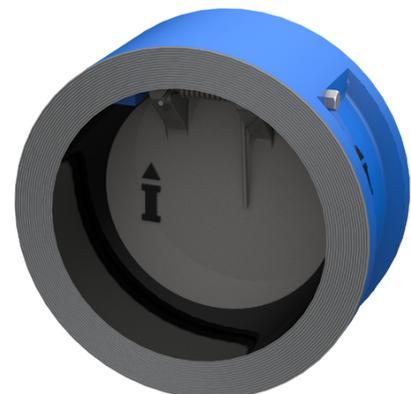
UNO FLAP CHECK VALVES

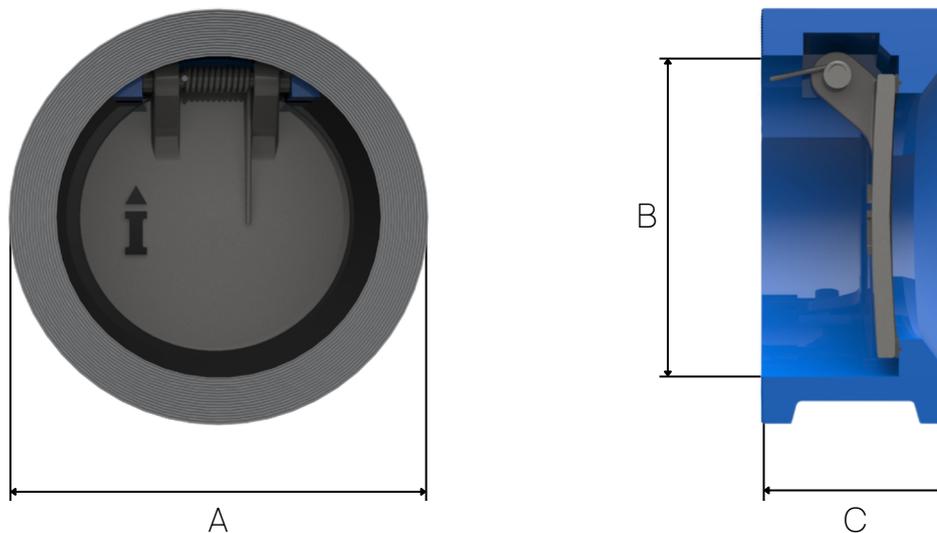
CLASSES 150/300



SERIES	MODEL	CLASS	CONNECTION	DIAMETERS
S400	Single Flap Check Valve	150	Wafer	2" a 60"
			Lug	2" a 60"
		300	Wafer	2" a 36"
			Lug	2" a 36"

Construction Standard	API 594
Face-to-Face Dimension	API 594
Connection Standards	ASME, ISO, DIN, and JIS
Testing Standards	API 598
Body and Disc Materials	WCB, CF8, CF8M, Duplex, Super Duplex, and special alloys available upon request
Sealing Materials	Vulcanized Resilient, Metal-to-Metal



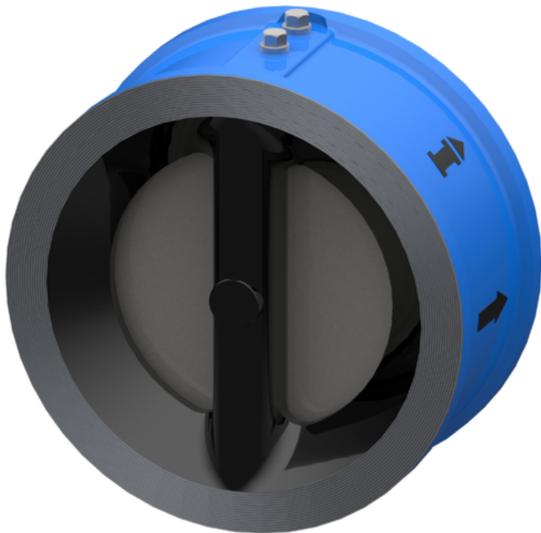


DIAMETER		DIMENSIONS (mm)					
POL.	mm	CL. 150			CL. 300		
		A*	B	C	A*	B	C
2	50	120,6	100	60	127	100	60
2.1/2	65	139,7	122	67	149,4	122	67
3	75	152,4	135	73	168,1	135	73
4	100	190,5	173	73	-	-	-
5	125	215,9	194	83	-	-	-
6	150	241,3	220	99	269,7	247	98
8	200	298,4	275	127	330,2	280	127
10	250	362	337	146	-	-	-
12	300	431,8	406	181	-	-	-
14	350	476,2	444	184	-	-	-
16	400	539,8	510	191	571,5	530	232
18	450	577,8	545	203	-	-	-
20	500	635	607	219	685,8	630	292
22	550	-	-	-	-	-	-
24	600	749,3	714	222	-	-	-
26	650	-	-	-	-	-	-
28	700	-	-	-	-	-	-
30	750	914,4	877	305	-	-	-
32	800	977,9	934	356	-	-	-
34	850	-	-	-	-	-	-
36	900	1085,8	1045	368	-	-	-
38	950	-	-	-	-	-	-
40	1000	-	-	-	-	-	-
42	1050	-	-	-	-	-	-
44	1100	-	-	-	-	-	-
46	1150	-	-	-	-	-	-
48	1200	1422,4	1378	524	-	-	-

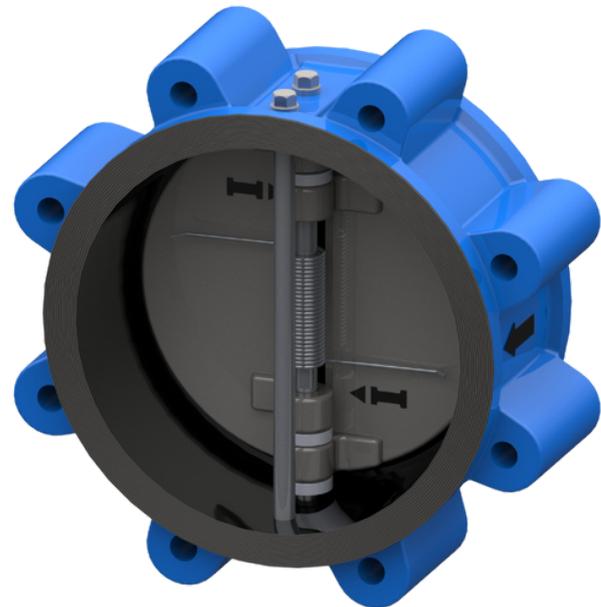
Diameters not listed are available upon request. Dimensions are subject to change without prior notice.
 *Dimensions conform to ASME B16.5 and ASME B16.47 standards. Please consult for other connection standards.

DOUBLE GATE CHECK VALVES

CLASSES 150/300/600



Wafer



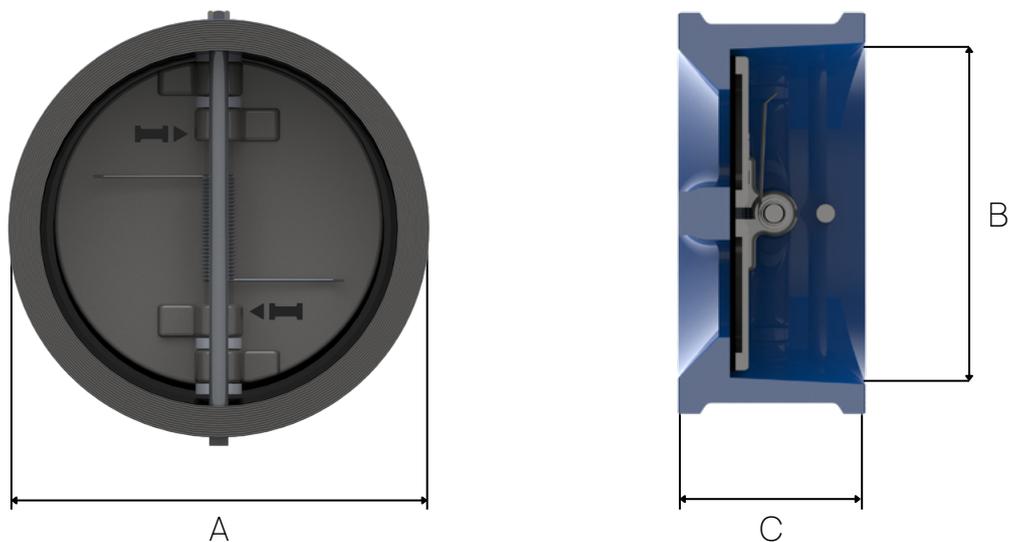
Lug

SERIES	MODEL	CLASS	CONNECTION	DIAMETERS
S500	Double Gate Check Valve	150	Wafer	2" a 60"
			Lug	2" a 60"
		300	Wafer	2" a 36"
			Lug	2" a 36"
		600	Wafer	2" a 14"
			Lug	2" a 14"

Construction Standard	API 594
Face-to-Face Dimension	API 594
Connection Standards	ASME, ISO, DIN, and JIS
Testing Standards	API 598
Body and Disc Materials	WCB, CF8, CF8M, Duplex, Super Duplex, and special alloys available upon request
Sealing Materials	Vulcanized Resilient, Metal-to-Metal



Dimensional Table
Double Gate Check Valves – Classes 150/300/600



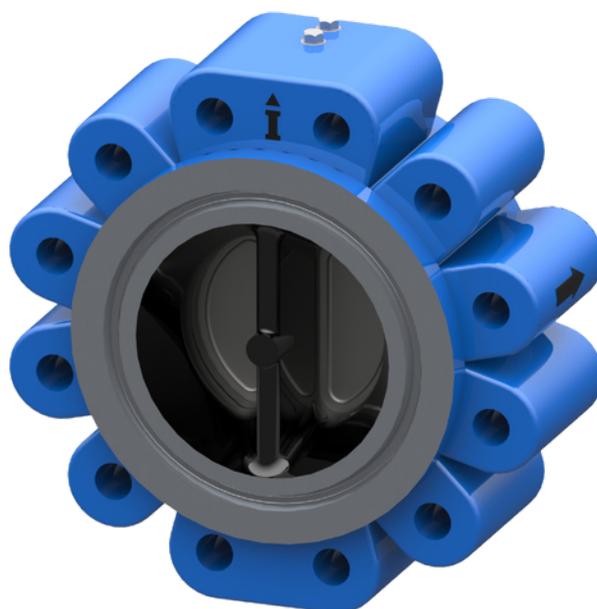
DIAMETER		DIMENSIONS (mm)								
POL.	mm	CL. 150			CL. 300			CL. 600		
		A*	B	C	A*	B	C	A*	B	C
2	50	120,6	101	60	127	106	60	127	108	60
2.1/2	65	139,7	120	67	149,4	127	67	149,4	-	-
3	75	152,4	133	73	168,1	133	73	168,1	147	73
4	100	190,5	171	73	200,2	171	73	215,9	190	79
5	125	215,9	194	86	235	194	86	266,7	-	-
6	150	241,3	218	99	269,7	218	99	292,1	262	136
8	200	298,4	275	127	330,2	302	127	349,2	316,5	165
10	250	362	335	146	387,4	355	146	431,8	364	213
12	300	431,8	405	181	450,8	418	181	498	435	229
14	350	476,2	438	184	514,4	480	222	527	471	273
16	400	539,8	510	190	571,5	535	232	603,2	559,1	305
18	450	577,8	540	203	628,6	590	264	-	-	-
20	500	635	595	219	685,8	650	292	723,9	730	368
22	550	692,2	650	220	-	-	-	-	-	-
24	600	749,3	714	222	812,8	770	318	838,2	-	-
26	650	806,4	771	222	-	-	-	-	-	-
28	700	863,6	820	305	-	-	-	-	-	-
30	750	914,4	879	305	-	-	-	-	-	-
32	800	977,9	934	356	-	-	-	-	-	-
34	850	1028,7	983,4	356	-	-	-	-	-	-
36	900	1085,8	1044	368	-	-	-	-	-	-
38	950	1149,4	-	-	-	-	-	-	-	-
40	1000	1200,2	1158	432	-	-	-	-	-	-
42	1050	1257,3	-	-	-	-	-	-	-	-
44	1100	1314,4	-	-	-	-	-	-	-	-
46	1150	1365,2	-	-	-	-	-	-	-	-
48	1200	1422,4	1370	524	-	-	-	-	-	-
50	1250	1479,6	1432	530	-	-	-	-	-	-

Diameters not listed are available upon request. Dimensions are subject to change without prior notice.
*Dimensions conform to ASME B16.5 and ASME B16.47 standards. Please consult for other connection standards.

DOUBLE GATE CHECK VALVES FOR HIGH PRESSURE CLASSES 900/1500/2500



Wafer

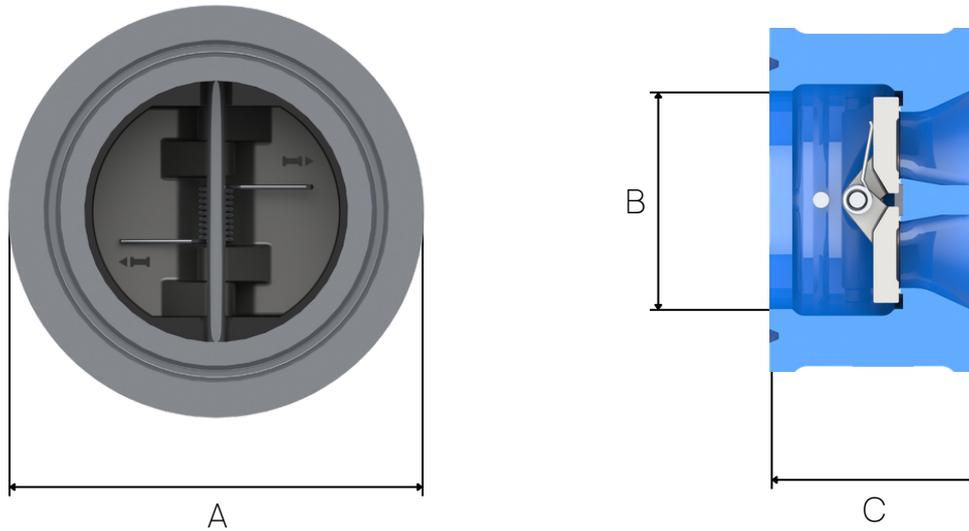


Lug

SERIES	MODEL	CLASS	CONNECTION	DIAMETERS
S500	Double Gate Check Valve	900	Wafer	2" a 24"
			Lug	2" a 24"
		1500 e 2500	Wafer	2" a 14"
			Lug	2" a 14"

Construction Standard	API 594
Face-to-Face Dimension	API 594
Connection Standards	ASME, ISO, DIN, and JIS
Testing Standards	API 598
Body and Disc Materials	WCB, CF8, CF8M, Duplex, Super Duplex, and special alloys available upon request
Sealing Materials	Vulcanized Resilient, Metal-to-Metal

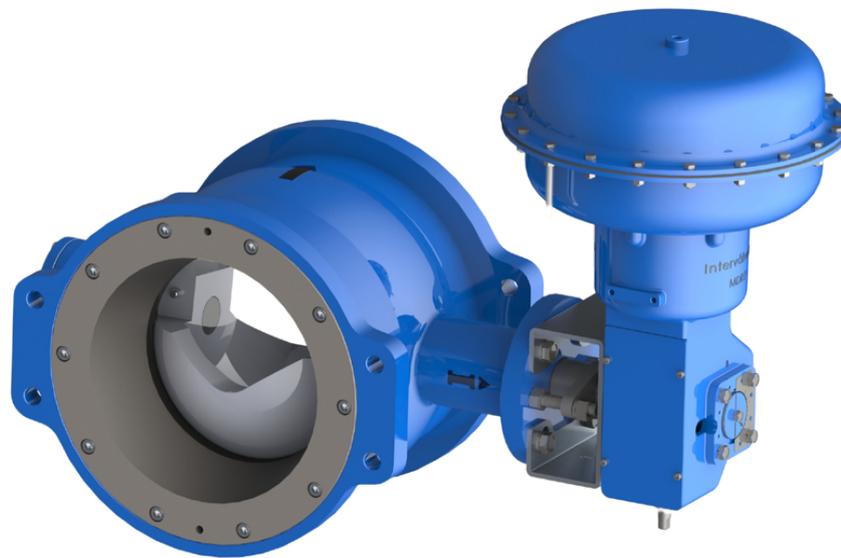




DIAMETER		DIMENSIONS (mm)								
POL.	mm	CL. 900			CL. 1500			CL. 2500		
		A *	B	C	A *	B	C	A *	B	C
2	50	142	78	70	142	60	70	142	60	70
2.1/2	65	-	-	-	165	73	83	168	73	83
3	75	179	105	83	175	89	83	194,5	89	86
4	100	205	118	102	205	114	102	234	114	105
6	150	278	168	159	278	168	159	310	168	159
8	200	-	219	206	347	219	206	387	219	206
10	250	-	273	241	410	273	248	450,5	273	254
12	300	-	324	292	500	324	305	549	324	304
14	350	-	356	356	575	356	356	-	-	-
16	400	566	406	384	-	-	-	-	-	-
18	450			-	-	-	-	-	-	-
20	500	695	484	451	-	-	-	-	-	-
22	550	-	-	-	-	-	-	-	-	-
24	600	835	579	495	-	-	-	-	-	-

Diameters not listed are available upon request. Dimensions are subject to change without prior notice.
 *Dimensions conform to ASME B16.5 and ASME B16.47 standards. Please consult for other connection standards.

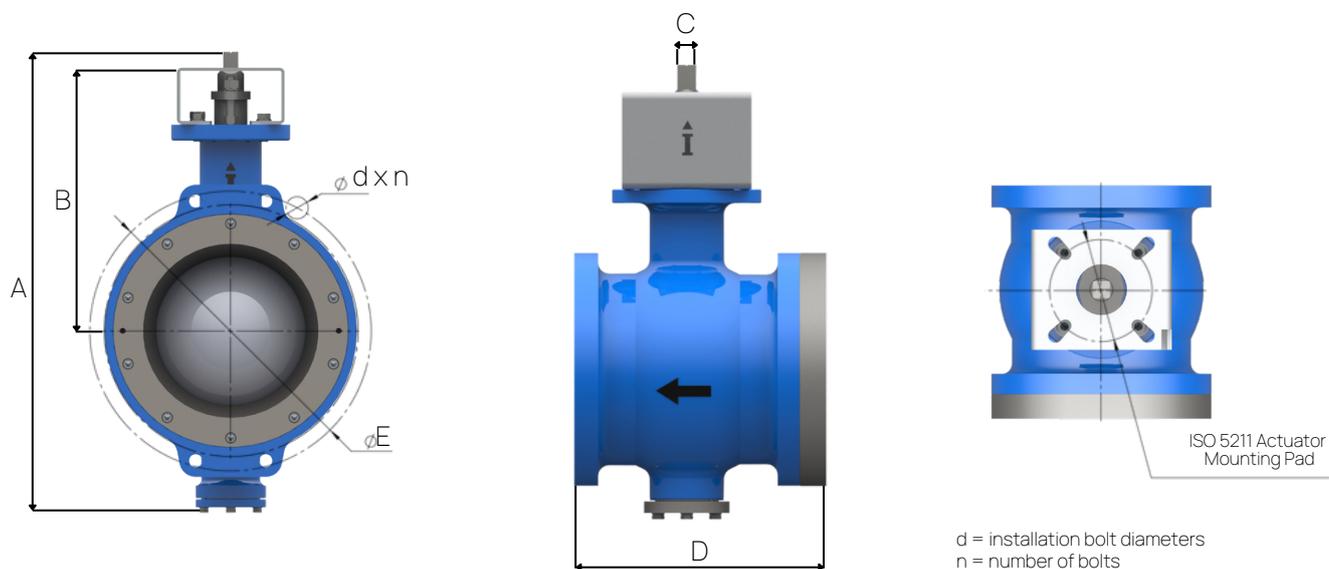
SEGMENTED V-BALL VALVES CLASSES 150/300



SERIES	MODEL	CLASS	CONNECTION	DIAMETERS
600	Segmented Ball Valve	150	Wafer	1 1/2" a 16"

Construction Standard	ASME B16.34
Face-to-Face Dimension	ISA 75.08.02
Connection Standards	ASME B16.5
Testing Standards	API 598, ANSIFCI 70-2
Body and Disc Materials	WCB, CF8, CF8M, Duplex, Super Duplex, and special alloys available upon request
Sealing Materials	RTFE





DIAMETER		DIMENSIONS (mm)							
POL.	mm	CL 150							
		A	B	C	D	ISO 5211	ØE	Ø d*	n *
1.1/2	40	215	143	11	114	F07	98,6	1/2"	4
2	50	226	151	11	124	F07	120,6	5/8"	4
3	80	283	175	14	165	F07	152,4	5/8"	4
4	100	369	251	14	194	F07/F10	190,5	5/8"	8
6	150	393	255	17	229	F07/F12	241,3	3/4"	8
8	200	490	297	22	243	F07/F12	298,4	3/4"	8
10	250	625	366	22	329	F07/F12	362	7/8"	12
14	350	789	466	27	379	F07/F16	476,2	01"	12
16	400	776	451	36	400	F07/F16	539,8	01"	16

Diameters not listed are available upon request. Dimensions are subject to change without prior notice.

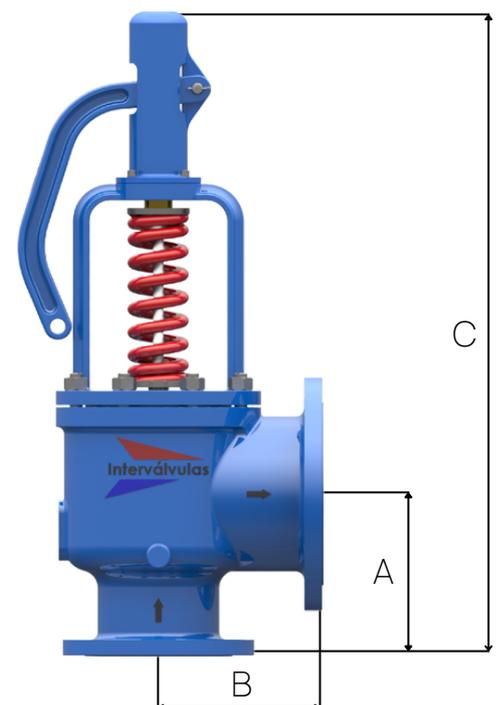
*Dimensions conform to ASME B16.5 and ASME B16.47 standards. Please consult for other connection standards.

SAFETY AND RELIEF VALVES CLASS 150



Series	S700 / S720
Connection	Flangeada
Diameters	4x6, 6x8, 8x10, 10x14
Construction Standard	ASME VIII, Div 1
Connection Standard	ASME B16.5
Testing Standard	API 527
Face-to-Face Standard	API 526
Orifice Standard	API 526
Body Materials	WCB, other materials available upon request
Spring Materials	5160 Steel, other materials available upon request

DIAMETER	DIMENSIONS (mm)		
	CL.150		
POL.	A	B	C
4" x 6"	178	184	836
6" x 8"	240	241	952
8" x 10"	276	279	1029
10" x 14"	305	315	1277



Diameters not listed are available upon request. Dimensions are subject to change without prior notice.

2-WAY GLOBE VALVES CLASSES 150/300/600



Series	S1000
Connection	Flangeada
Diameters	1/2" a 12"
Construction Standard	ASME B16.34
Connection Standard	ASME B16.5
Testing Standard	FCI 70-2
Bonnet Types	Standard and Extended (high temperatures)
Trim Types	Top-Guided, Low Noise, Anti-Cavitation
Opening Characteristics	Linear, Modified Parabolic, Equal Percentage
Body Materials	WCB, CF8, CF8M, Duplex, Super Duplex, and special alloys available upon request
Trim Materials	316, 410, 420, 17-4PH Stainless Steel – Hardened or with Stellite
Class	150, 300, and 600
Face-to-Face Dimension	ANSI / ISA 75.08.01

QUICK-DISCHARGE BOILER BOTTOM VALVES CLASSES 150 TO 2500



Series	S1200
Connection	ASME B16.34
Diameters	1/2" a 4"
Construction Standard	ASME B16.34
Connection Standard	ASME B16.5
Testing Standard	FCI 70-2
Body Materials	WCB, CF8, CF8M, Duplex, Super Duplex, and special alloys available upon request
Class	150 to 2500
Face-to-Face Dimension	ANSI / ISA 75.08.01

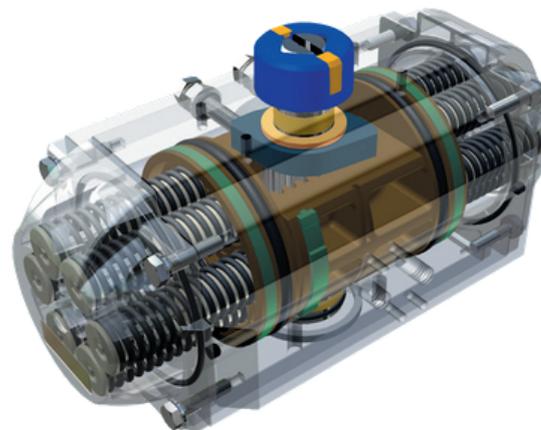
CONTINUOUS BLOWDOWN VALVES CLASSES 150 TO 2500



Series	S1600
Construction Standard	API 602
Connection	Flanged, SW, and BW
Diameters	1" a 2"
Connection Standard	ASME B16.5 (FR)
Class	150 to 2500
Body Materials	WCB, CF8, CF8M, Duplex, Super Duplex, and special alloys available upon request
Internal Materials	316, 410, 420, 17-4PH Stainless Steel - Hardened or with Stellite
Testing Standard	API 598

PNEUMATIC ACTUATORS FROM 4 TO 11,600 NM OF TORQUE

- Standard Series / 90° Rotation
- 17 Sizes
- Double Acting / Spring Return
- Supply Pressure from 2.5 to 8 bar
- Mounting and Coupling Standards: ISO 5211 and DIN 3337
- Accessory Mounting according to NAMUR VDI/VDE Standard

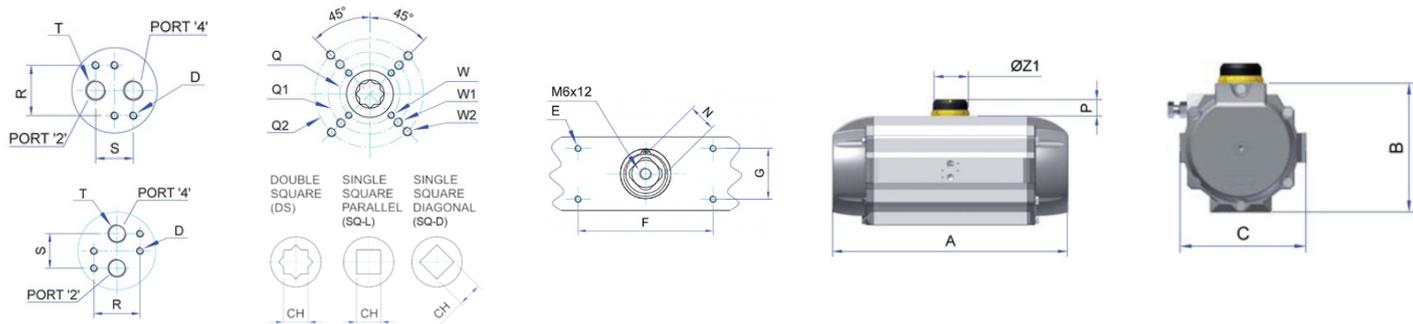


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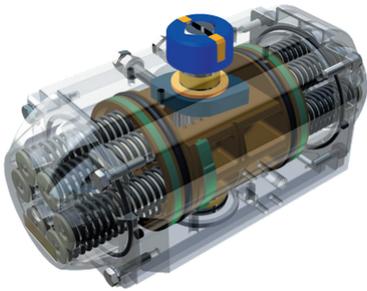
PNEUMATIC ACTUATORS

Dimensional Table



	DIMENSIONS (mm)																																		
	PT045 U		PT050 U		PT100 U		PT200 U		PT250 U		PT300 U		PT350 U		PT400 U		PT450 U		PT500 U		PT550 U		PT600 U		PT650 U		PT700 U		PT750 U		PT800 U		PT1000 U		
	D	S	D	S	D	S	D	S	D	S	D	S	D	S	D	S	D	S	D	S	D	S	D	S	D	S	D	S	D	S	D	S	D	S	D
A	118	137	154	204	241	259	304	333	395	423	473	528	605	710	812	855	950																		
B	66	69	85	102	115	127	145	157	177	196	220,5	245	298,5	330	383	410	518																		
C	62	71	86,5	106	119	129,5	149	159	182,5	200,5	222	245	285,5	319,5	371	418	528																		
D	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M6x10	M6x10	M6x10	M6x10	M6x10																	
E	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M6x10	M6x10																	
F	80	80	80	80	80	80	80	80	80	80	130	130	130	130	130	130	130																		
G	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	50																		
N	11	11	11	17	17	17	27	27	27	27	36	36	36	36	36	36	36																		
P	15/20	20	20	20	20	20	20	30	30	30	30	50	50	50	50	50	80																		
R	32	32	32	32	32	32	32	32	32	32	32	32	32	45	45	45	45																		
S	24	24	24	24	24	24	24	24	24	24	24	24	24	40	40	40	40																		
T NPT	1/8"	1/8"	1/8"	1/8"	1/8"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	3/8"	1/2"	1/2"	1/2"																		
ØZ1	42	42	42	42	42	42	58	58	67,5	67,5	80	80	115	115	115	115	135																		
ISO 5211 (Standard)	F04	F04	F05+F07	F05+F07	F05+F07	F05+F07+F10	F07+F10	F07+F10	F10+F12	F10+F12	F14	F14	F16	F16	F16	F16+F25	F16+F25+F30																		
ISO 5211 (Optional)	F03	F03+F05	F04+F07	-	-	-	-	-	-	-	F10+F12	F10+F12	F12 ou F14	F12 ou F14	F14 ou F16+F25	-	-																		
Q	42	42	50	50	50	50	70	70	102	102	140	140	165	165	165	165	165																		
Q1	-	-	70	70	70	70	102	102	125	125	-	-	-	-	-	254	254																		
Q2	-	-	-	-	-	102	-	-	-	-	-	-	-	-	-	-	298																		
W	M5	M5	M6	M6	M6	M6	M8	M8	M10	M10	M16	M16	M20	M20	M20	M20	M20																		
W1	-	-	M8	M8	M8	M8	M10	M10	M12	M12	-	-	-	-	-	M16	M16																		
W2	-	-	-	-	-	M10	-	-	-	-	-	-	-	-	-	-	M20																		
CH x I minimum (SQ)	-	9 x 11	14 x 16	14 x 19	14 x 19	17 x 20	14 x 19	22 x 25	22 x 35	22 x 40	36 x 40	27 x 40	27 x 40	27 x 40	46 x 52	55 x 61	75 X 81																		
CH x I minimum (SQ)	-	11 x 13		17 x 19	17 x 20	22 x 25	22 x 25	27 x 29	27 x 30	27 x 30	-	36 x 40	46 x 50	46 x 50	55 x 60	-	-																		
CH x I minimum (DS)	9 x 11	11 x 13	11 x 19	14 x 19	17 x 20	17 x 25	17 x 25	22 x 35	27 x 40	27 x 40	27 x 40	27 x 40	36 x 40	36 x 40	46 x 52	46 x 52	55 X 60																		
CH x I minimum (DS)	11 x 12		14 x 16	17 x 19		22 x 25	22 x 25	27 x 29	-	-	36 x 40	36 x 40	46 x 64	46 x 52	55 x 61	55 x 61	-																		
Opening Time (s)	0,15	0,2	0,2	0,25	0,25	0,3	0,3	0,4	0,4	0,5	0,5	0,7	0,7	0,9	0,9	1,2	1,2	1,5	1,5	1,8	2	2,4	2,7	3,5	3,5	4,1	4	4,5	5	6	6	7,5	8	10	
Closing Time (s)	0,2	0,25	0,25	0,3	0,3	0,35	0,35	0,5	0,5	0,6	0,6	0,9	0,8	1,1	1,1	1,4	1,4	1,8	1,7	2,1	2,2	2,8	3,2	4	4	4,6	4,5	5	6	7	7	8,5	9	11	
Air Volume at Opening (L)	0,06	0,09	0,16	0,31	0,51	0,71	1,19	1,54	2,41	3,14	4,26	5,94	10	14,5	20	25	49																		
Air Volume at Closing (L)	0,1	0,15	0,26	0,49	0,78	1,11	1,8	2,34	3,78	4,92	6,89	9,46	15,2	21,4	33	40	84																		
Approximate Weight (Kg)	0,75	0,9	1,15	1,26	1,7	1,9	3	3,4	4,2	4,8	5,7	6,6	8,8	10,2	10,7	12,6	15,5	18,7	19,6	23,7	25	33	37	45	56	71	77	97	118	150	127	169	170	238	

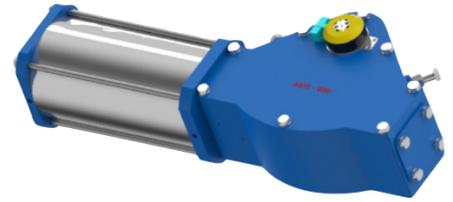
ACTUATORS



ROTARY PNEUMATIC ACTUATOR
 Action: Rotary
 Type: Single Acting and Double Acting
 Torque: 4 to 11,600 Nm



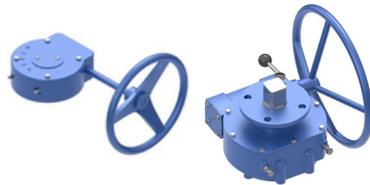
ELECTRIC ACTUATOR
 Action: Rotary
 Type: Quarter-Turn and Multi-Turn
 Torque: 15 to 350,000 Nm



SCOTCH YOKE ACTUATOR
 Action: Rotary
 Type: Double Acting
 Torque: 2,000 to 40,000 Nm



HYDRAULIC ACTUATOR
 Action: Rotary
 Type: Quarter-Turn
 Torque: 40 to 40,000 Nm



GEARBOX / EMERGENCY GEARBOX
 Action: Rotary
 Type: Quarter-Turn
 Torque: 15 to 12,000 Nm



ACTUATING LEVER
 Action: Rotary
 Type: Position Coupling

ACCESSORIES



SOLENOID VALVE



MECHANICAL LIMIT SWITCH



INDUCTIVE SENSOR



FILTER REGULATOR WITH PRESSURE GAUGE



MONITORING SYSTEM



ELECTRO-PNEUMATIC POSITIONER (ROTARY / LINEAR)
 4-20 mA / 4-20 mA Hart / ProfiBus / FieldBus

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