

COMPLETE LINE



  
**VCW**

TECNOLOGIA EM RETENÇÃO DE FLUXOS

[www.vcwvalvulas.com.br](http://www.vcwvalvulas.com.br)

# CONCENTRIC BUTTERFLY VALVE SERIES WC1, WC2 AND WC3

Series WC1, WC2 and WC3 valves are concentric butterfly valves wafer/flanged and lug type. With versatile design, that introduces several innovations that set it apart from other existing valves on the market, aims to serve with excellence industrial market as a whole.



## CHARACTERISTICS

- ✓ WC1 - Wafer Type: DN 50mm (2") – 900mm (36")
- ✓ WC2 - Lug Type: DN 50mm (2") – 900mm (36")
- ✓ WC3 - Flanged Type: DN 80mm (3") – 900mm (36")
- ✓ Construction: ABNT 15768 | API 609A | ISO 5752 520
- ✓ Pressure rating: PN10 – PN16 | 150psi | 175psi
- ✓ Installation: NBR 7675 | ISO 2531 | ANSI | AWWA | others
- ✓ Actuation: Manual | Pneumatic | Electric

## BODY VALVE

One piece cast body, complying with drilling and mounting between flanges standards. Body internally lined by a rubber seat.



WC1



WC2



WC3



### CONCENTRIC SYSTEM

Body, disc and stem are designed in the concentric/centered system, in relation to the sealing and pipe. Valve sealing is based in the interference between the disc and rubber seat, ensuring valve sealing and tightness.



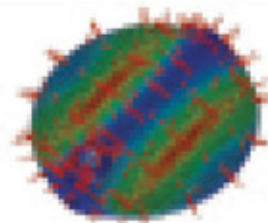
### SEALING SEAT

Elastomer replaceable seat embedded to the valve body.

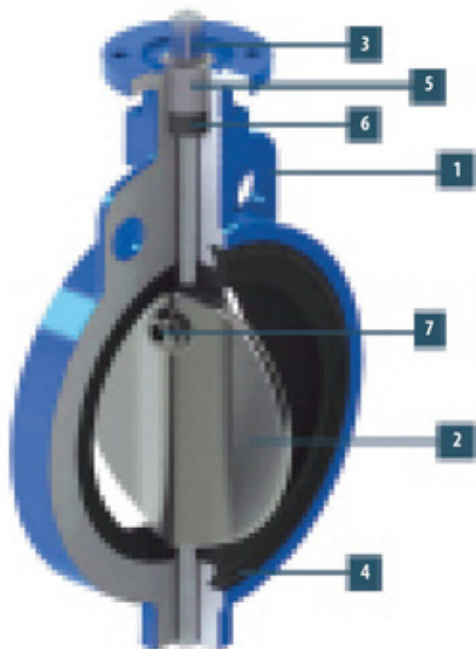
## PESQUISA E DESENVOLVIMENTO

### ELEMENT ANALYSIS

VCW products are designed using high technology to meet all international standards and customer's technical requirements.



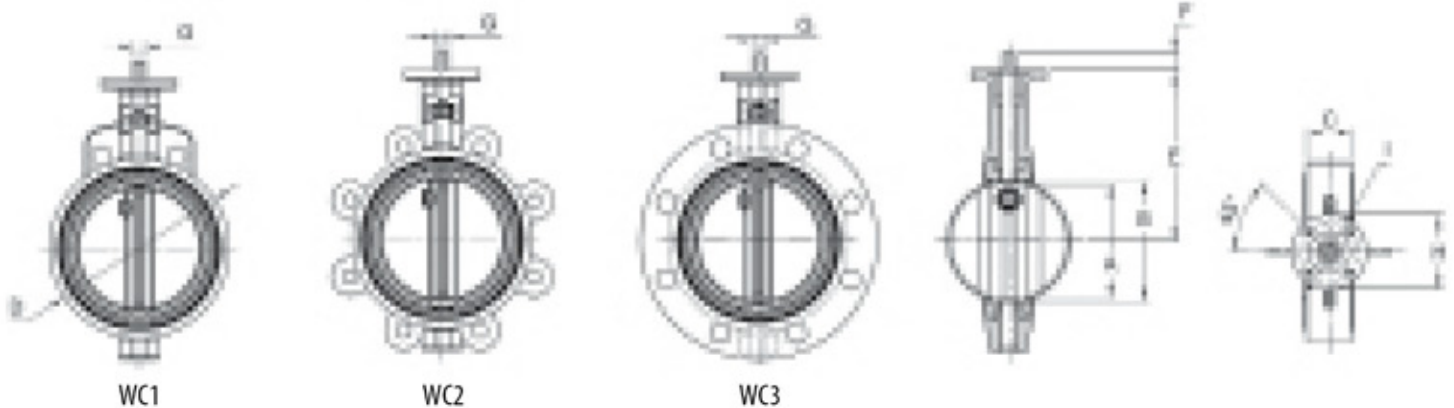




COMPONENTES DA VÁLVULA	MATERIAL*	ESPECIFICAÇÃO
<b>1 - BODY</b>	Ductil Iron Carbon Steel Stainless Steel	ASTM A - 536 GR. 65/45/12 ASTM A - 216 WCB ASTM A - 351 CF8 / CF8M
<b>2 - DISC</b>	Ductil Iron Aluminum Bronze Stainless Steel Cast Iron lined with Nylon	ASTM A - 536 GR. 65/45/12 ASTM B - 148 UNS C95200 Grade A ASTM A - 351 CF8 / CF8M
<b>3 - STEM</b>	Stainless Steel 410	ASTM A - 276/UNS S41000
<b>4 - SEAT</b>	EPDM BUNA-N VITON HYPALON	
<b>5 - BUSHING</b>	Acetal / Nylon	
<b>6 - STEM PACKING</b>	BUNA-N	
<b>7 - TORQUE PLUG ("2 A 12") 7 - DISC PINS (14"A 36")</b>	Stainless Steel 316 Stainless Steel 316	ASTM A- 276/UNS S31600 Condition A AISI 316

\* Other materials upon request

## DIMENSIONS CHART



DN	A*	B	C	D	E	F	G	H	I (ISO 5211)	WEIGHT/KG	WEIGHT/KG	WEIGHT/KG
										PIC. WC1	PIC. WC2	PIC. WC3
50 (2")	34	53	43	105	140	18	11	90	F07	3,0	3,5	-
65 (2.½")	46,5	64	46	117	152	18	11	90	F07	4,0	4,5	-
80 (3")	64,5	78	46	130	159	18	11	90	F07	4,5	7,0	8,5
100 (4")	91	104	52	162	178	22	11	90	F07	6,5	8,0	12,5
125 (5")	115	127	56	187	191	22	14	90	F07	8,0	10,5	16
150 (6")	138	148	56	216	203	30	14	90	F07	10,0	12,5	16,5
200 (8")	189	199	60	271	241	30	17	125	F10	17,0	21,0	27,0
250 (10")	242	250	68	330	273	32	22	150	F10	23,0	31,0	40,0
300 (12")	291	300	78	376	311	32	22	150	F10	33,0	49,0	62,0
350 (14")	340	348	78	426	306	32	27	175	F12	52,0	67,0	86,0
400 (16")	377	390	102	484	328	43	27	175	F12	88,0	85,0	110,0
450 (18")	429	438	114	543	368	39	36	210	F14	99,0	113,0	145,0
500 (20")	476	492	127	597	403	39	36	210	F14	141,0	165,0	184,0
600 (24")	561	577	154	717	495	68	46	210	F16	172,0	234,0	260,0
700 (28")	647	681	165	793	565	68	46	210	F16	215,0	285,0	313,0
750 (30")	729	743	165	875	584	68	46	210	F16	275,0	360,0	398,0
800 (32")	749	787	190	907	645	75	55	300	F25	288,0	375,0	415,0
900 (36")	882	899	200	1048	705	75	55	300	F25	325,0	422,0	470,0


\* The "A" dimension is the minimum diameter of the pipe and flange to be used without damage to the disc when the valve opens.



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