



UNIMECH GROUP, MALAYSIA



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WAFER TYPE BUTTERFLY VALVE DIN 2501 FLANGED (PINLESS)

Your Partner In Flow Management



Body Material : CF8M
Disc Material : CF8M
Seat Material : PTFE LINED NBR
Stem Material : SUS 316

Optional

Body Material : CF8 / WCB
Disc Material : ALUMINIUM BRONZE / CF8 / POLISHED
: DUCTILE IRON / COATING NYLON /
: PTFE / NICKEL
Seat Material : NBR / EPDM / VITON / SILICONE /
: PTFE LINED EPDM
: PTFE LINED VITON
Stem Material : SUS 416 / SUS 431



ARV-WT112 (D)
ARV-WT212 (D)

DIN

UM 14

The stainless steel body design offers esthetic appearance, strength and compatible flange connection to international standards. Its top flange is designed to ISO5211 for the direct mounting of gear operator or actuators which eliminate the cost of mounting bracket. The one piece design body provides outstanding protection against particle entrapment and bacterial growth. Arita offers various materials for the valves seat and disc to meet the various requirements of customers. The fine finishing of seat surfaces and the polished edge of disc give good sealing and reduction in operating torque. The upper and lower shafts are well supported and properly sealed to prevent leakage. This pin less design has eliminated the potential of leak through pin hole.

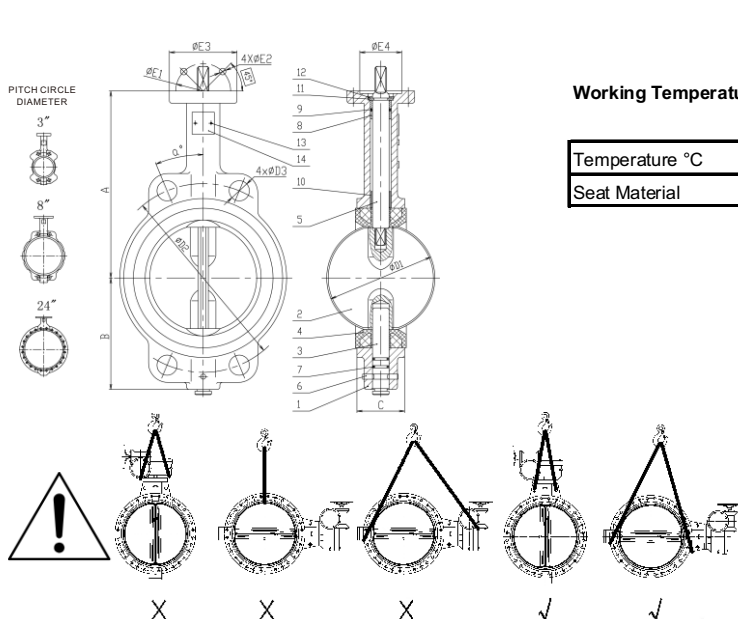
 ISO 9001:2008 CERTIFICATE NO. 0436-2002-AQ-RGC-RV1-Rev1	 Pressure accessory CERTIFICATE NO. 4588-2014-CE-RGC-ACCREDIA	 CE Notified Body No. 0496 CERTIFICATE NO. 4590-2014-CE-RGC-ACCREDIA	 Det Norske Veritas Rules for Classification of Ships Det Norske Veritas Standards for Certification 2.5 No.2.754.dj CERTIFICATE NO. P-12513	 BS EN 593:2004 PA046601	 12 MAT LY 093 F-MC058-b SEAT / QUALIFICATION CERTIFICATE HR	 AW/M80310 0808526 SEAT / QUALIFICATION CERTIFICATE HR	 CERTIFICATE OF REGISTRATION ARITA 0791083 TRADEMARK REGISTRATION From 14/06/2017 to 14/06/2027
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SIZES		A	B	C	ØD1	ØD2	ØD3	a°	ØE1	ØE2	ØE3	ØE4	* TORQUE (Nm)			Cv	WT. (KG)
DN	In.												(PTFE)	(PN 10)	(PN 16)		
40	1 1/2	136	69	32.0	42.6	110	19	45.00	50	7	65	35	17	13	13	19	1.8
50	2	156	80	42.0	52.9	125	19	45.00	50	7	65	35	18	14	15	31	2.7
65	2 1/2	162	89	44.7	64.5	145	19	45.00	50	7	65	35	20	15	17	55	3.2
80	3	170	95	45.2	78.8	160	19	22.50	50	7	65	35	29	22	23	87	3.6
100	4	185	119	52.1	104.3	180	19	22.50	70	10	90	55	48	37	40	140	5.0
125	5	207	127	54.4	123.3	210	19	22.50	70	10	90	55	75	58	62	224	6.9
150	6	216	139	55.8	156.0	240	23	22.50	70	10	90	55	122	94	102	328	8.6
200	8	256	175	60.6	202.5	295	23	(22.50) 15.00	102	12	125	70	226	174	192	572	15.5
250	10	248	203	65.6	250.8	(350) 355	(23) 28	15.00	102	12	125	70	372	286	323	837	26.8
300	12	280	242	76.9	301.6	(400) 410	(23) 28	15.00	102	12	125	70	558	429	490	1241	35.1
350	14	368	267	75.0	333.5	(460) 470	(23) 28	11.25	102	12	125	70	715	550	625	1564	45.6
400	16	400	297	85.7	389.6	(515) 525	(28) 31	11.25	140	18	175	100	982	755	846	2087	92.2
450	18	422	315	104.6	440.5	(565) 585	(28) 31	9.00	140	18	175	100	1316	1012	1131	2681	122.0
500	20	480	348	130.3	491.6	(620) 650	(28) 34	9.00	140	18	175	100	1755	1350	1431	3350	202.0
600	24	562	444	151.4	592.5	(725) 770	(31) 37	9.00	165	23	210	130	2744	2111	2301	4907	230.0

Note: EN1092-1 PN10/16; DIN2501 PN10/16; BS4504 PN10/16 (8" and above PN 10)

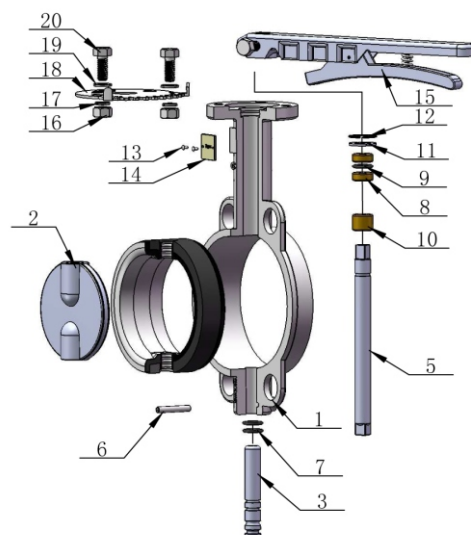
Note: Cv = US Gallon per minutes



Working Temperature

Temperature °C	-10 ~ 80	-15 ~ 140	-20 ~ 150	-20 ~ 180	-50 ~ 200
Seat Material	NBR	EPDM	VITON	PTFE	SILICONE

IF PTFE SEAT ONLY WITH PN10
14" AND ABOVE ONLY WITH SAND CASTING
PTFE TEMPERATURE DEPEND ON THE LINED RUBBER
*** Torque PTFE / Torque PN10&16 for Rubber Seat**



Material

No.	PART	QTY.	MATERIAL
1	BODY	1	CF8 / CF8M / WCB
2	DISC	1	DUCTILE IRON / COATING NYLON / PTFE / NICKEL ALUMINIUM BRONZE / CF8 / CF8M / POLISHED
3	LOWER STEM	1	SS 416 / SS 316 / SS 431
4	SEAT	1	NBR / EPDM / VITON / SILICONE / PTFE LINED NBR PTFE LINED EPDM / PTFE LINED VITON
5	UPPER STEM	1	SS 416 / SS 316 / SS 431
6	LOCK PIN	1	SPRING STEEL
7	LOWER 'O' RING	2	NBR / EPDM / VITON
8	BUSHING	2	PTFE
9	'O' RING	1	NBR / EPDM / VITON
10	BUSHING	1	PTFE
11	HALF RING	2	SS 416
12	RETAINER RING	1	SPRING STEEL
13	RIVET	2	ALUMINIUM
14	NAMEPLATE	1	ALUMINIUM
15	HANDLE	1	SS 304 / SS 316
16	HEX NUT	2	SS 304 / SS 316
17	SPRING WASHER	2	SS 304 / SS 316
18	INDICATOR	1	SS 304
19	WASHER	2	SS 304 / SS 316
20	HEX BOLT	2	SS 304 / SS 316

Pressure Test

* PTFE SEAT ONLY WITH 1.0 Mpa

SIZE		1 1/2" - 12"	M 14"
Working Pressure		1.6 MPa	1.0 MPa
Hydrostatic Test Mpa / bar	Seal	1.76 / 17.6	1.1 / 11
	Body	2.4 / 24	1.5 / 15

Standard:

Design Standard	: BS EN593
Face to Face	: BS EN558-1 / ISO5752
Flange Connection	: EN1092 PN10/16; DIN2501 PN10/16
Top Flange	: ISO 5211
Test Standard	: BS EN12266-1 / ISO 5208

The contents of this literature are for informative purposes only.

Arita is not responsible for suitability or compatibility of these products in relation to system requirement. For specific requirements, consult Arita or its distributors. Arita reserves the right to change or modify product design without prior notice.



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ARV-212WT (D)

05/14