



UNIMECH GROUP, MALAYSIA



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WAFER TYPE BUTTERFLY VALVE UNIVERSAL FLANGED (PIN)



The new body octagon shape 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. The body is epoxy coated for better resistant against abrasion and corrosion. 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.

 ISO 9001:2008 CERTIFICATE NO. 0436-2002-AQ-RGC-RW-Rev.1	 Pressure accessory CERTIFICATE NO. 03-SKM-PED-B1-295225-00	 CE Notified Body No. 0575 CERTIFICATE NO. PED-D-59	 Det Norske Veritas Rules for Classification of Ships Det Norske Veritas Standards for Certification 2.9 No.5.794.40 CERTIFICATE NO. P-12513	 BS EN 593:2004 PA046601
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Dimensions In mm (UNIVERSAL)

Technical Data

SIZES		A	B	C	ØD1	ØD2	ØD3	a°	ØE1	ØE2	ØE3	ØE4	TORQUE (Nm)		Cv	WT. (KG)
DN	In.												PN 10	PN 16		
40	1 1/2	136	69	32.0	42.6	105.60	23.0	45.00	50	7	65	35	13	13	19	1.9
50	2	156	80	42.0	52.9	120.00	24.0	45.00	50	7	65	35	14	15	31	3.0
65	2 1/2	162	89	44.7	64.5	136.13	28.0	45.00	50	7	65	35	15	17	55	3.1
80	3	170	95	45.2	78.8	152.40	24.5	45.00	50	7	65	35	22	23	87	3.9
						154.50	24.5	22.50								
100	4	185	114	52.1	104.3	182.50	27.0	22.50	70	10	90	55	37	40	140	4.3
125	5	207	127	54.4	123.3	212.50	26.0	22.50	70	10	90	55	58	62	224	7.0
150	6	216	139	55.8	156.0	238.12	26.0	22.50	70	10	90	55	94	102	328	8.3
200	8	256	175	60.6	202.5	293.00	26.0	15.00	102	12	125	70	174	192	572	14.1
						296.07	27.0	22.50								
250	10	248	203	65.6	250.8	357.00	30.5	15.00	102	12	125	70	286	323	837	24.9
300	12	280	242	76.9	301.6	400.00	25.0	11.25	102	12	125	70	429	490	1241	38.6
						416.70	40.5	15.00								

Dimension included ANSI125/150, JIS10K, PN10/ PN16, (EN1092-2, BS4504, DIN2501) PN10/PN16/AS2129 TABLE E

Note : Cv = US Gallon per minutes

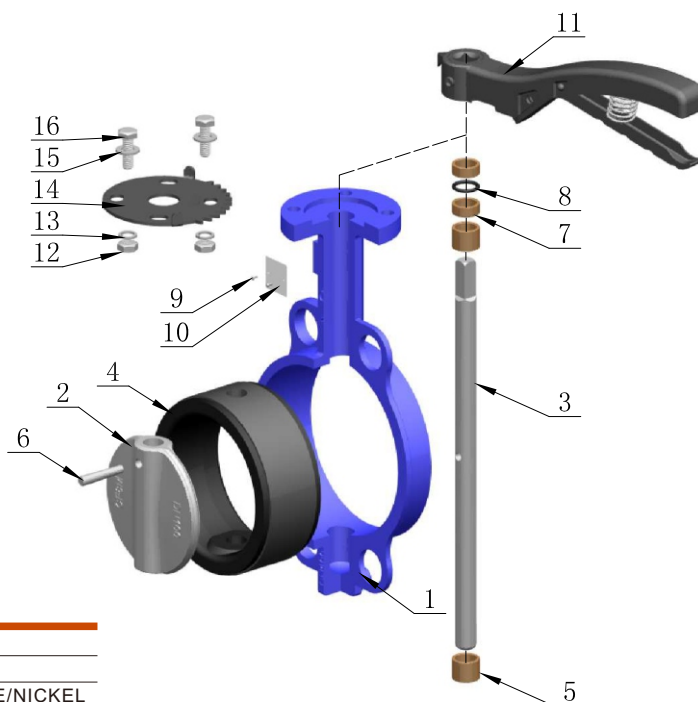
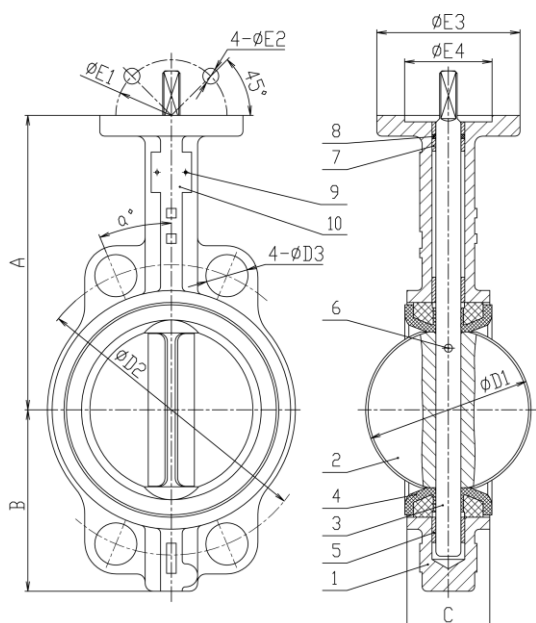
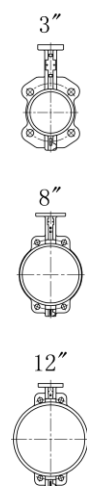
Working Temperature

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

Pressure Test

Working Pressure		1.0 MPa	1.6 MPa	10K	ANSI 125		ANSI 150
SIZE		1" - 24"			1" - 12"	14" - 24"	1" - 12"
Hydrostatic Test	Seal	1.1 MPa	1.76 MPa	1.54 MPa	1.52 MPa	1.14 MPa	2.2 MPa
	Body	1.5 MPa	2.4 MPa	2.1 MPa	2.1 MPa	1.55 MPa	3.0 MPa

Pitch Circle Diameter



Material

No.	PART	QTY.	MATERIAL
1	BODY	1	CAST IRON / DUCTILE IRON / WCB
2	DISC	1	DUCTILE IRON/COATING NYLON/PTFE/NICKEL ALUMINIUM BRONZE/CF8/CF8M/POLISHED
3	STEM	1	SUS 416 / SUS 316 / SUS 431
4	SEAT	1	PTFE / NBR / EPDM / VITON / SILICONE
5	BUSHING	2	PTFE
6	PIN	1-2	SUS 304 / SUS 316
7	BUSHING	2	PTFE
8	O' RING	1	NBR / EPDM / VITON
9	RIVET	2	ALUMINIUM
10	NAMEPLATE	1	ALUMINIUM
11	LOCKABLE HANDLE	1	STAMPING / EPOXY COATING / DUCTILE IRON
12	NUT	2	CARBON STEEL
13	SPRING WASHER	2	SPRING STEEL
14	INDICATOR	1	ELECTRO-PLATING / EPOXY COATING
15	WASHER	2	CARBON STEEL
16	BOLT	2	CARBON STEEL

Standard:

Design Standard	: BS EN593
Face to Face	: BS EN558-1
Flange Connection	: EN1092-1 PN10/16 JIS B2210 10K : DIN 2501 PN10/16 ANSI B16 125/150 : AS 2129 TABLE E
Top Flange	: ISO 5211
Test Standard	: BS EN12266-1 / API 598

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-812WT (U)

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