



UNIMECH GROUP, MALAYSIA



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BALL VALVE FLANGED END JIS 10K

ARV-800FE (J)



Arita full bore ball valve design offers a smooth and turbulence-free flow of media. The stainless steel ball is housed in a rigid and rugged two pieces cast iron body. The PTFE seats are precisely machined and hold the ball firmly in the housing and at the same time provides excellent sealing. A blown-out proof stainless steel stem is used to open or shut the valve. This operation can be done manually with a lever or gear, electric actuator, or pneumatic actuator. The adjustable packing gland provides good sealing between the stem and housing. These valves are suitable to use for cold water, hot water, steam, gas and oil media.

Dimensions in mm (JIS 10K)

SIZES	BORE DIAMETER	L	H	D	CV	TORQUE	WT KG
DN 15	15	108	80	148	26	5	2.8
20	20	117	90	149	50	8	2.5
25	25	127	98	158	94	9	4.8
32	32	140	102	166	110	10	5.5
40	40	165	110	210	260	10	6.5
50	50	178	130	210	480	15	9.8
65	65	190	162	240	750	20	13.0
80	80	203	177	340	1300	32	16.0
100	100	229	208	340	2300	48	22.0
125	125	256	240	670	3300	80	43.0
150	150	304	280	678	5400	200	54.5
200	200	457	325	678	10000	350	91.8
250	250	533	460	1600	450	174.0	
300	300	610	730	2400	850	297.0	

Note: Cv = US Gallon per minutes
Size DN125 - DN300, L: Basic Series ISO 12

Materials

No.	PART	QTY.	MATERIAL
1	CAP	1	PC 200
2	BOLT	3-10	MILD STEEL
3	BODY	1	PC 200
4	BALL SEAT	2	PTFE
5	BALL	1	SUS 304
6	THRUST WASHER	1	PTFE
7	STEM	1	SUS 304 / SUS 410
8	GLAND	1	PC 200
9	TOP PACKING	1	PTFE
10	BOTTOM PACKING	1	PTFE
11	GASKET	1	PTFE
12	RETAINER RING	1	SUS 304
13	CAP SCREW	2	MILD STEEL
14	STOPPER	1	MILD STEEL
15	HANDLE	1	PC 200

Design Standard:

JIS B2210

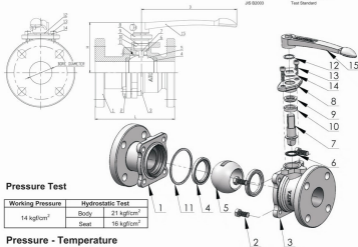
JIS B2002

JIS B2003

Flanged Ends

Face to Face Distance

Test Standard



Pressure Test

Working Pressure	Hydrostatic Test	
	14 kgf/cm ²	Body
	Seat	16 kgf/cm ²

Pressure - Temperature

Temperature °C	-10 ~ 120	150	180	200
Pressure Mpa (kgf/cm ²)	0.98 (10.0)	0.88 (9.0)	0.83 (8.5)	0.78 (8.0)

* Note: For working temperature above 120°C, reinforced PTFE or carbon filled PTFE seat is recommended

* For non-shock water, at 120°C, the allowable pressure is 1.37 Mpa (14 kgf/cm²)

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