



UNIMECH GROUP, MALAYSIA



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BALL VALVE FLANGED END CLASS 150



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.

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Technical Data

Dimensions in mm (CLASS 150)

SIZES		BORE DIAMETER	L	H	D	CV	TORQUE (N.m ²)	WT KG
DN	In.							
15	1/2	15	108	85	140	26	5	2.0
20	3/4	20	117	87	140	50	8	2.3
25	1	25	127	87	135	94	9	3.5
32	1 1/4	32	140	92	135	160	10	4.5
40	1 1/2	40	165	116	210	260	10	5.5
50	2	50	178	124	210	480	13	8.0
65	2 1/2	65	190	160	340	750	20	13.0
80	3	80	203	175	340	1300	32	16.5
100	4	100	230	182	340	2300	48	24.0
125	5	125	300	240	670	3000	80	43.0
150	6	150	340	280	670	5400	200	54.5
200	8	200	457	325	670	10000	350	91.5
250	10	250	533	660		16000	450	174.0
300	12	300	610	750		24000	650	297.0

Note : Cv = US Gallon per minutes
Size 5"-12", L=Long Pattern

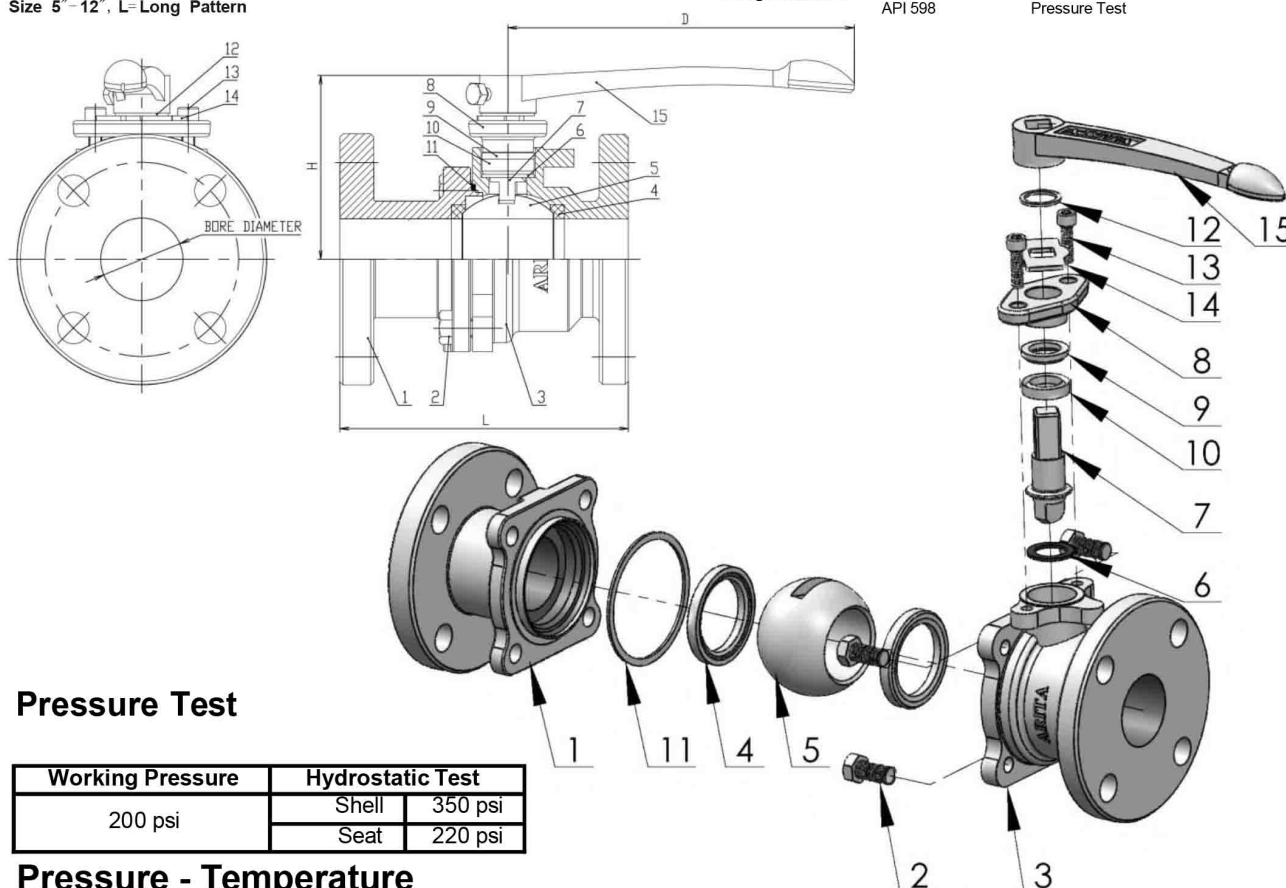
Materials

No.	PART	QTY.	MATERIAL
1	CAP	1	ASTM A126 CLASS B
2	BOLT	3-16	MILD STEEL
3	BODY	1	ASTM A126 CLASS B
4	BALL SEAT	2	PTFE
5	BALL	1	CF8
6	THRUST WASHER	1	PTFE
7	STEM	1	SUS 304 / SUS 410
8	GLAND	1	ASTM A126 CLASS B
9	TOP PACKING	1	PTFE
10	BOTTOM PACKING	1	PTFE
11	GASKET	1	PTFE
12	RETAINER RING	1	SPRING STEEL
13	CAP SCREW	2	MILD STEEL
14	STOPPER	1	MILD STEEL
15	HANDLE	1	ASTM A126 CLASS B

Design Standard:

ANSI B16.1
ANSI B16.10
API 598

Flanged Ends
Face to Face Distance
Pressure Test



Pressure Test

Working Pressure	Hydrostatic Test	
200 psi	Shell	350 psi
	Seat	220 psi

Pressure - Temperature

Temperature °C	-10 ~ 66	150	180	200
Pressure psi (kgf/cm ²)	145 (10.0)	130 (9.0)	123 (8.5)	116 (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 200 psi (14 kgf/cm²)

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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