

## C&H SERVICES SBU



# Ball Valve

### ■ What is Ball Valve?

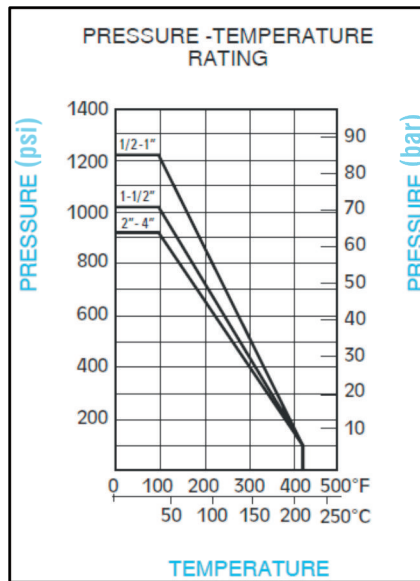
Ball Valves are quarter turn, full bore, rotatory valves used for on - off application. These valves provide excellent shut off characteristics and offer lower pressure drops to flow. These 3 piece ball valves are extensively used to control flow in the pipe line.

## Specifications

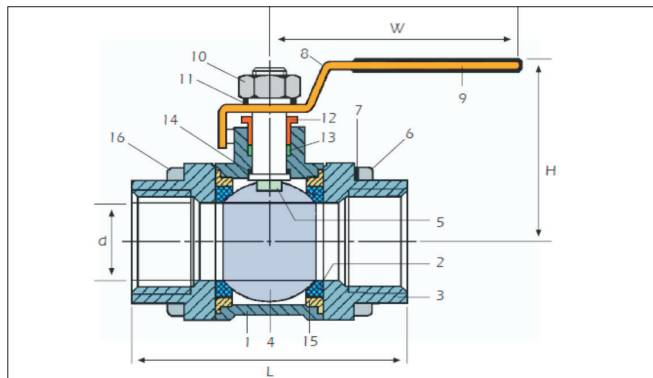
Range (mm NB)	15 - 100
Working Pressure (kg/cm <sup>2</sup> )	70
Temperature Range (°C)	50 – 210
Type	Screwed BSP *

## Features

- Special 3 piece design
- Valve internals can be accessed and cleaned online
- Easy maintenance- valve need not be removed from the pipeline for maintenance
- Leakage free due to adjustable stem packing
- Designed to handle most severe service application
- Equipped with internally mounted blowout proof stem
- Higher product life cycle
- Improved seat design ensure longer life & bubble tight shut off offers low torque



## Schematic Drawing



## Dimensions

Size (inch)	D (mm)	L (mm)	H (mm)	W (mm)	Weight (Kgs)
1/2"	15	75	48	120	0.63
3/4"	20	80	54	120	0.92
1"	25	90	72	157	1.45
1 1/4"	32	110	75	157	2.29
1 1/2"	38	120	80	190	3.10
2"	50	140	93	190	5.25
2 1/2"	65	185	135	250	8.40
3"	80	205	150	250	14.10
4"	100	240	180	280	24.50

## MOC

Sr No	Part Name	Material
1	Body	ASTM A351 Gr.CF8M
2	Seat	PTFE
3	Cap	ASTM A351 Gr. CF8M
4	Ball	SS 316
5	Stem	SS 316
6	Nut	SS 304
7	Washer	SS 304
8	Handle Cover	Plastic
9	Handle	SS 304
10	Stem Nut	SS 316
11	Washer	SS 304
12	Gland	SS 304
13	Stem Packing	PTFE
14	Thrust Washer	PTFE
15	Joint Gasket	PTFE
16	Bolt	SS 304

## Application

- Widely used in hot water application in process industries
- It can be used in both liquid & gas for all general purpose application
- Extensively used in various industry segment like oil & gas, refineries, chemical, pharma, food & beverages, pulp & paper, metal, minerals, steel etc.

\* Screwed to NPT standard & flanged end version also available on request.

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*In view of our constant endeavour to improve the quality of our products, we reserve the right to alter or change specifications without prior notice. All photographs shown in this publication are representative in purpose, and to be used for reference only. For actual details and specifications, please refer to Thermax offer document.*



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