



## Air Compressor Ball Valve :

### Air Compressor Ball Valve Price In India :

Product	Price per Each (INR)
Air Compressor Ss 304 Pneumatic Ball Valve With Actuator	446
Air Compressor Pneumatic Ss 316 Ball Valve With Actuator	979
3-Way Vertical Brass Ball Valve 3 Holes With Actuator With Manual Top Opening .	31,379
Ball Valve With Actuator Size-Dn100	168,432
Double Acting Pneumatic Actuated Ball Valve,Ptfe Coated, Din Size:1(32mm)	4,138
Air Compressor 3 Way Ball Valve, 1" ¼"	2,305
Pneumatic 3 Way Ball Valve, Black Color -1 ½"	3,403
Double Acting Pneumatic Actuated Union Ball Valve,Ptfe Seat, Din Size:1(32mm)	4,138
Pneumatic Actuated Union Ball Valve, Din Size:1 1/2(50mm)	3,548
True Union Ball Valve, Ptfе Coated, Din Size:1/2(20mm)	4,595
Actuated Pp Union Ball Valve Ptfе Coated, Din Size:3/4(25mm)	4,442
Double Acting Union Ball Valve,Ptfe Coated, Socket Ends, Din Size:2(63mm)	3,084

### Air Compressor Ball Valve Thread Standards :

#### BSPP thread to :

- ISO 228-1
- BS2779
- DIN 3852-2 - Form A,B,E
- NF E 03-005

#### BSPT thread to :

- ISO 7
- BS 21
- DIN 3852-2 - Form C
- NF E 03-004



### Air Compressor Ball Valve BSP Threads :

BSP	BSPT	Threads per inch	d <sub>1</sub>	l <sub>2</sub> nominal	d <sub>4</sub> min.	a <sub>1</sub> max.	l <sub>1</sub> max.	b <sub>1</sub> min.	b <sub>2</sub> min.
Rs 1/8	R 1/8	28	9.73	3.97	15	1	8	8	5.5
Rs 1/4	R 1/4	19	13.16	6.05	19	1.5	12	12	8.5
Rs 3/8	R 3/8	19	16.66	6.35	23	2	12	12	8.5
Rs 1/2	R 1/2	14	20.95	8.16	27	2.5	14	14	10.5
Rs 3/4	R 3/4	14	26.44	9.2	33	2.5	16	16	13.0
Rs 1	R 1	11	33.25	10.39	40	2.5	18	18	-
Rs 1.1/4	R 1.1/4	11	41.91	12.7	50	2.5	20	20	-
Rs 1.1/2	R 1.1/2	11	47.80	12.7	56	2.5	22	22	-

("Rs" are the accepted designation for a BSP thread and the letter "R" represents a BSPT thread)

### Air Compressor Ball Valve Thread configurations :

d <sub>1</sub>	l <sub>1</sub>	f	g	d <sub>3</sub>	d <sub>5</sub>	α°	b <sub>2</sub>	a <sub>2</sub>	Seal
M3x0.5**	3.25	-	-	6.5	6.5	-	4.0	1.0	-
M5x0.8**	8.0	1.5	3.80	14	6.35	12	8.0	1.0	3.6x1.5
M8x1	10.0	1.5	6.55	17	9.10	12	10.0	1.0	6.2x1.5
M10x1	10.0	1.5	8.55	20	11.1	12	10.0	1.0	8.2x1.5
M12x1.5	11.5	2.3	9.85	22	13.8	15	11.5	1.5	9.4x2.1
M14x1.5	11.5	2.3	11.85	25	15.8	15	11.5	1.5	11.4x2.1
M16x1.5	13.0	2.3	13.85	27	17.8	15	13.0	1.5	13.4x2.1
M18x1.5	14.5	2.3	15.85	29	19.8	15	14.5	2.0	15.4x2.1
M20x1.5**	14.0	2.3	17.85	32	21.8	15	14.0	2.0	17.4x2.1
M22x1.5	15.5	2.3	19.85	34	23.8	15	15.5	2.0	19.4x2.1



### Air Compressor Ball Valve UNF Threads :

Thread size and threads per inch	SAE module	d <sub>1</sub>	d <sub>3</sub> min.	d <sub>5</sub>	b <sub>1</sub> min.	a <sub>1</sub>	f	g	l <sub>1</sub>	α°	O-ring ID	O-ring Section	
5/16-24 UNF	-2	mm	7.94	17	9.1	10	1.6	1.6	6.35	7.54	12	6.07	1.63
		inch	.310	.672	.358	.390	.062	.063	.250	.297		.239	.064
3/8-24 UNF	-3	mm	9.53	19	10.7	10	1.6	1.6	7.95	7.54	12	7.65	1.63
		inch	.380	.750	.421	.390	.062	.063	.313	.297		.301	.064
7/16-20 UNF	-4	mm	11.11	21	12.4	11	1.6	1.9	9.25	9.14	12	8.92	1.83
		inch	.440	.828	.487	.450	.062	.075	.364	.360		.351	.072
1/2-20 UNF	-5	mm	12.7	23	14	11	1.6	1.9	10.85	9.14	12	10.52	1.83
		inch	.500	.906	.550	.450	.062	.075	.427	.360		.414	.072
9/16-18 UNF	-6	mm	14.28	23	15.6	13	1.6	2.1	12.24	9.93	12	11.89	1.98
		inch	.560	.969	.616	.500	.062	.083	.482	.391		.468	.078
3/4-16 UNF	-8	mm	11.05	30	20.6	14	2.4	2.4	16.76	11.13	15	16.36	2.21
		inch	.750	1.188	.811	.560	.940	.094	.660	.438		.644	.087
7/8-14 UNF	-10	mm	22.22	34	23.9	17	2.4	2.7	19.63	12.7	15	19.18	2.46
		inch	.870	1.344	.942	.660	.940	.107	.773	.500		.755	.097
1.1/16-12 UN	-12	mm	26.99	41	29.2	19	2.4	3.2	27.18	15.09	15	23.47	2.95
		inch	1.060	1.625	1.148	.750	.940	.125	.945	.594		.924	.116
1.3/16-12 UN	-14	mm	30.15	45	32.3	19	2.4	3.2	27.18	15.09	15	26.59	2.95
		inch	1.190	1.765	1.273	.750	.940	.125	1.070	.594		1.047	.116
1.5/16-12 UN	-16	mm	33.34	49	35.5	19	3.2	3.2	30.35	15.09	15	29.74	2.95
		inch	1.310	1.910	1.398	.750	.125	.125	1.195	.594		1.171	.116

### Air Compressor Ball Valve NPT threads :

Thread size	Threads per inch	d	l <sub>1</sub>	l <sub>3</sub>		l <sub>4</sub>	b <sub>3</sub>
				Threads	mm		
1/8	27	10.48	4.10	3	2.82	9.97	6.92
1/4	18	14.00	5.79	3	4.23	15.10	10.02
3/8	18	17.42	6.10	3	4.23	15.26	10.33
1/2	14	21.71	8.13	3	5.44	19.85	13.57
3/4	14	27.12	8.61	3	5.44	20.15	14.50
1	11 1/2	33.88	10.16	3	6.63	25.01	16.79
1.1/4	11 1/2	42.59	10.67	3	6.63	25.62	17.30
1.1/2	11 1/2	48.66	10.67	3	6.63	26.04	17.30



## Air Compressor Ball Valve Working Pressure :

Working pressure (bar)										
Temp. °C.	-40	-20	0	20	30	40	50	60	70	80
Tube size										
3 x 0.45	10	10	10	10	8	7	6	6	5	5
4 x 0.75	11	11	11	11	9	8	7	6	6	5
5 x 1	12	12	12	12	10	9	8	7	6	6
6 x 1	10	10	10	10	8	7	6	6	5	5
8 x 1.25	9	9	9	9	8	7	6	5	5	4
10 x 1.5	9	9	9	9	7	6	6	5	5	4
12 x 2	10	10	10	10	8	7	6	6	5	5

Burst pressure (bar)										
Temp. °C.	-40	-20	0	20	30	40	50	60	70	80
Tube size										
3 x 0.45	30	30	30	30	24	22	19	17	15	14
4 x 0.75	33	33	33	33	27	24	21	19	17	15
5 x 1	37	37	37	37	30	26	23	21	19	17
6 x 1	30	30	30	30	24	21	19	17	15	14
8 x 1.25	28	28	28	28	23	20	18	16	14	13
10 x 1.5	26	26	26	26	22	19	17	15	14	12
12 x 2	30	30	30	30	25	22	19	17	16	14

## Air Compressor Ball Valve Imperial and Metric Size :

Imperial sized copper tubing conforming to BS2871 Part 2 OD x wall thickness In	Metric sized copper tubing conforming to DIN 1786 - NF A51 120 BS2781 Part 2 ID x OD mm	Metric sized steel tubing conforming to NF A48 001- DIN 2391C BS7416 ID x OD mm
1/8 x 0.028		
3/16 x 0.028		
1/4 x 0.036	4 x 6	4 x 6
5/16 x 0.036	6 x 8	6 x 8
3/8 x 0.036	8 x 10	8 x 10
1/2 x 0.064	10 x 12	10 x 12
5/8 x 0.064	12 x 14	12 x 14
	14 x 16	14 x 16
3/4 x 0.064	15.6 x 18	16 x 18
	17.6 x 20	17 x 20
	18.8 x 22	19 x 22
1 x 0.080	21.8 x 25	22 x 25
1.1/4x 0.080	28 x 32	27 x 30



## Air Compressor Ball Valve Design :

**Floating:** The majority of ball valves have a floating ball

**Trunnion:** Valves with large diameters and high operating pressures have often a trunnion design.

**Reduced bore:** One piece ball valves are mostly reduced bore.

**Full bore:** Full bore valves have the same bore diameter as the pipe

**V-shaped:** The hole in the ball or the valve seat has a "V" shaped profile.

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Compressed Air Valve Types :

	
Compressed Air Ball Valve	Air Compressor Brass Valve



Air Compressor Brass Check Valve



Copper Air Compressor Ball Valve



Ball Valve 1/4 BSP Male Female Air Compressor



NPT Air Compressor Brass Ball Valve