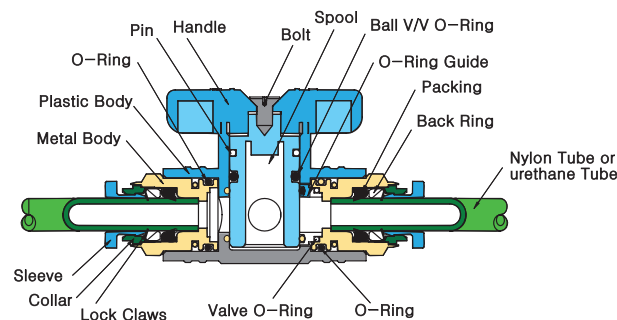


BALL VALVES

FEATURES

- Ball Valves are suitable for pneumatic applications in the completely open or closed positions.
- Depending on application conditions, the highly inert PPS resin body construction allows air or water services.
- The sectional dimension of the compact body is proportional to the tube size optimizing flow and efficiency.
- Specially designed handle enables increased turning leverage for easy opening and closing.

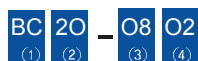
STRUCTURAL DIAGRAM



SPECIFICATIONS

Compatible Fluid type	Air & Water	
Operating Pressure Range	0~150PSI	0~9Kgf/cm ² (0~900kPa)
Negative pressure	-29.5in Hg	-750mmHg (1.0Torr)
Operating Temperature Range	32~140° F	0~60° C
Recommended Tube Material	Polyurethane and Nylon	

PRODUCTS CODE SYSTEM



- ① Type
- ② Effective Sectional area
- ③ Tube Dia (∅D)
- ④ Thread Size (T)
- ⑤ U : Hexagon flat-to-flat inch specification. (NPT)

Code	20	60
Size	20mm	60mm

Code	06	08	10	12
Size	∅6	∅8	∅10	∅12

④ Thread Size (T)

Taper Pipe Thread	
Code	01 02 03 04
Size	R1/8 R1/4 R3/8 R1/2

American Standard Taper pipe Thread				
Code	N01U	N02U	N03U	N04U
Size	NPT1/8	NPT1/4	NPT3/8	NPT1/2

⑤ U : Hexagon flat-to-flat inch specification. (NPT)



60 Series

MODEL (∅D1-∅D2)	Tube (Metric)		Tube (Inch)	
	BUL 20-0606	BUL 20 1/4-1/4	BUL 20 1/4-1/4	BUL 20 1/4-1/4
BUL 20-0808	BUL 20 5/16-5/16	BUL 20 5/16-5/16	BUL 20 5/16-5/16	BUL 20 5/16-5/16
BUL 20-0608	BUL 20 1/4-5/16	BUL 20 1/4-5/16	BUL 20 1/4-5/16	BUL 20 1/4-5/16
BUL 20-0806	BUL 20 5/16-1/4	BUL 20 5/16-1/4	BUL 20 5/16-1/4	BUL 20 5/16-1/4

MODEL (∅D1-∅D2)	Tube (Metric)		Tube (Inch)	
	BLM 20-0606	BLM 20 1/4-1/4	BLM 20 1/4-1/4	BLM 20 1/4-1/4
BLM 20-0806	BLM 20 5/16-1/4	BLM 20 5/16-1/4	BLM 20 5/16-1/4	BLM 20 5/16-1/4
BLM 20-0808	BLM 20 5/16-5/16	BLM 20 5/16-5/16	BLM 20 5/16-5/16	BLM 20 5/16-5/16

MODEL (∅D1-∅D2)	Tube (Metric)		Tube (Inch)	
	BUC 60-1010	BUC 60 3/8-3/8	BUC 60 3/8-3/8	BUC 60 3/8-3/8
BUC 60-1212	BUC 60 1/2-1/2	BUC 60 1/2-1/2	BUC 60 1/2-1/2	BUC 60 1/2-1/2
BUG 60-1210	BUG 60 1/2-3/8	BUG 60 1/2-3/8	BUG 60 1/2-3/8	BUG 60 1/2-3/8

MODEL (∅D1-∅D2)	Tube (Metric)		Tube (Inch)	
	BM 60-1010	BM 60 3/8-3/8	BM 60 3/8-3/8	BM 60 3/8-3/8
BM 60-1210	BM 60 1/2-3/8	BM 60 1/2-3/8	BM 60 1/2-3/8	BM 60 1/2-3/8
BM 60-1212	BM 60 1/2-1/2	BM 60 1/2-1/2	BM 60 1/2-1/2	BM 60 1/2-1/2

MODEL (∅D-T)	Tube (Metric)-Thread (R)		Tube (Inch)-Thread (NPT)	
	BL 60-1002	BL 60 3/8-N1/4	BL 60 3/8-N1/4	BL 60 3/8-N1/4
BL 60-1003	BL 60 3/8-N3/8	BL 60 3/8-N3/8	BL 60 3/8-N3/8	BL 60 3/8-N3/8
BL 60-1004	BL 60 3/8-N1/2	BL 60 3/8-N1/2	BL 60 3/8-N1/2	BL 60 3/8-N1/2
BL 60-1202	BL 60 1/2-N1/4	BL 60 1/2-N1/4	BL 60 1/2-N1/4	BL 60 1/2-N1/4
BL 60-1203	BL 60 1/2-N3/8	BL 60 1/2-N3/8	BL 60 1/2-N3/8	BL 60 1/2-N3/8
BL 60-1204	BL 60 1/2-N1/2	BL 60 1/2-N1/2	BL 60 1/2-N1/2	BL 60 1/2-N1/2

MODEL (∅D-T)	Tube (Metric)-Thread (R)		Tube (Inch)-Thread (NPT)	
	BC 60-1002	BC 60 3/8-N1/8	BC 60 3/8-N1/8	BC 60 3/8-N1/8
BC 60-1003	BC 60 3/8-N1/4	BC 60 3/8-N1/4	BC 60 3/8-N1/4	BC 60 3/8-N1/4
BC 60-1004	BC 60 3/8-N1/2	BC 60 3/8-N1/2	BC 60 3/8-N1/2	BC 60 3/8-N1/2
BC 60-1202	BC 60 1/2-N1/8	BC 60 1/2-N1/8	BC 60 1/2-N1/8	BC 60 1/2-N1/8
BC 60-1203	BC 60 1/2-N1/4	BC 60 1/2-N1/4	BC 60 1/2-N1/4	BC 60 1/2-N1/4
BC 60-1204	BC 60 1/2-N1/2	BC 60 1/2-N1/2	BC 60 1/2-N1/2	BC 60 1/2-N1/2

MODEL (∅D1-∅D2)	Tube (Metric)		Tube (Inch)	
	BUL 60-1010	BUL 60 3/8-3/8	BUL 60 3/8-3/8	BUL 60 3/8-3/8
BUL 60-1212	BUL 60 1/2-1/2	BUL 60 1/2-1/2	BUL 60 1/2-1/2	BUL 60 1/2-1/2
BLG 60-1012	BLG 60 3/8-1/2	BLG 60 3/8-1/2	BLG 60 3/8-1/2	BLG 60 3/8-1/2
BLG 60-1210	BLG 60 1/2-3/8	BLG 60 1/2-3/8	BLG 60 1/2-3/8	BLG 60 1/2-3/8

MODEL (∅D1-∅D2)	Tube (Metric)		Tube (Inch)	
	BLM 60-1010	BLM 60 3/8-3/8	BLM 60 3/8-3/8	BLM 60 3/8-3/8
BLM 60-1210	BLM 60 1/2-3/8	BLM 60 1/2-3/8	BLM 60 1/2-3/8	BLM 60 1/2-3/8
BLM 60-1212	BLM 60 1/2-1/2	BLM 60 1/2-1/2	BLM 60 1/2-1/2	BLM 60 1/2-1/2

20 Series

MODEL (∅D1-∅D2)	Tube (Metric)		Tube (Inch)	
	BUC 20-0606	BUC 20 1/4-1/4	BUC 20 1/4-1/4	BUC 20 1/4-1/4
BUC 20-0808	BUC 20 5/16-5/16	BUC 20 5/16-5/16	BUC 20 5/16-5/16	BUC 20 5/16-5/16
BUG 20-0806	BUG 20 5/16-1/4	BUG 20 5/16-1/4	BUG 20 5/16-1/4	BUG 20 5/16-1/4

MODEL (∅D1-∅D2)	Tube (Metric)		Tube (Inch)	
	BM 20-0606	BM 20 1/4-1/4	BM 20 1/4-1/4	BM 20 1/4-1/4
BM 20-0806	BM 20 5/16-1/4	BM 20 5/16-1/4	BM 20 5/16-1/4	BM 20 5/16-1/4
BM 20-0808	BM 20 5/16-5/16	BM 20 5/16-5/16	BM 20 5/16-5/16	BM 20 5/16-5/16

MODEL (∅D-T)	Tube (Metric)-Thread (R)		Tube (Inch)-Thread (NPT)	
	BL 20-0601	BL 20 1/4-N1/8	BL 20 1/4-N1/8	BL 20 1/4-N1/8
BL 20-0602	BL 20 1/4-N1/4	BL 20 1/4-N1/4	BL 20 1/4-N1/4	BL 20 1/4-N1/4
BL 20-0603	BL 20 1/4-N3/8	BL 20 1/4-N3/8	BL 20 1/4-N3/8	BL 20 1/4-N3/8
BL 20-0801	BL 20 5/16-N1/8	BL 20 5/16-N1/8	BL 20 5/16-N1/8	BL 20 5/16-N1/8
BL 20-0802	BL 20 5/16-N1/4	BL 20 5/16-N1/4	BL 20 5/16-N1/4	BL 20 5/16-N1/4
BL 20-0803	BL 20 5/16-N3/8	BL 20 5/16-N3/8	BL 20 5/16-N3/8	BL 20 5/16-N3/8

MODEL (∅D-T)	Tube (Metric)-Thread (R)		Tube (Inch)-Thread (NPT)	
	BC 20-0601	BC 20 1/4-N1/8	BC 20 1/4-N1/8	BC 20 1/4-N1/8
BC 20-0602	BC 20 1/4-N1/4	BC 20 1/4-N1/4	BC 20 1/4-N1/4	BC 20 1/4-N1/4
BC 20-0603	BC 20 1/4-N3/8	BC 20 1/4-N3/8	BC 20 1/4-N3/8	BC 20 1/4-N3/8
BC 20-0801	BC 20 5/16-N1/8	BC 20 5/16-N1/8	BC 20 5/16-N1/8	BC 20 5/16-N1/8
BC 20-0802	BC 20 5/16-N1/4	BC 20 5/16-N1/4	BC 20 5/16-N1/4	BC 20 5/16-N1/4
BC 20-0803	BC 20 5/16-N3/8	BC 20 5/16-N3/8	BC 20 5/16-N3/8	BC 20 5/16-N3/8

Fittings with G Thread (O-Ring)

20 Series

MODEL (∅D-T)	Tube (Metric)-Thread (G)	
	BL 20-06G01	BL 20-06G02
BL 20-08G01	BL 20-08G02	BL 20-08G03

MODEL (∅D-T)	Tube (Metric)-Thread (G)	
	BC 20-06G01	BC 20-06G02
BC 20-08G01	BC 20-08G02	BC 20-08G03

60 Series

MODEL (∅D-T)	Tube (Metric)-Thread (G)	
	BL 60-10G02	BL 60-10G03
BL 60-12G02	BL 60-12G03	BL 60-12G04

MODEL (∅D-T)	Tube (Metric)-Thread (G)	
	BC 60-10G02	BC 60-10G03
BC 60-12G02	BC 60-12G03	BC 60-12G04