



TECHNICAL DATA SHEET
PRE-INSULATED FORGED BRASS BALL VALVE ECO SERIES

S.No.	DESCRIPTION	DETAILS
1	MAKE	"RC"
2	DESIGN TYPE	FULL BORE, TWO PIECE DESIGN, QUARTER TURN,HAND OPERATED,WITHOUT STRAINER TYPE
3	SIZE	15mm(F) x 15mm(F) 20mm(F) x 20mm(F) 25mm(F) x 25mm(F) 32mm(F) x 32mm(F) 40mm(F) x 40mm(F) 50mm(F) x 50mm(F)
5	BODY CONSTRUCTION	SIZE 15mm to 32mm BRASS FORGED IS:8737,NICKEL/CHROME ELECTROPLATED
		SIZE 40mm & 50mm BRASS FORGED IS:319 GRADE DCB-II,NICKEL/CHROME ELECTROPLATED
6	NUT CONSTRUCTION	SIZE 15mm to 32mm BRASS FORGED IS:8737,NICKEL/CHROME ELECTROPLATED
		SIZE 40mm & 50mm BRASS FORGED IS:319 GRADE DCB-II,NICKEL/CHROME ELECTROPLATED
7	BALL CONSTRUCTION	SIZE 15MM BRASS ROD IS:319,GRADE DCB-I CHROME PLATED
		SIZE 25MM TO 50MM BRASS GRAVITY DIE CAST IS:1264 GRADE DCB-I,CHROME PLATED
8	SPINDLE CONSTRUCTION	BRASS ROD IS:319 GRADE DCB-I
9	GLAND AND MOC	NBR O-RING
10	NECK DESIGN	EXTENDED NECK DESIGN
11	INSULATION CLADDING(OUT COVER)	TPU (HDPE)
12	INNER INSULATION MATERIAL	CLOSED CELL POLYURETHANE FOAM
13	DENSITY	40 Kg/cm ²
14	THERMAL INSULATION RANGE	-80°C TO 180°C





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15	FIRE RETARDENCY	SELF FIRE EXTINGUISHING WITH RETARDANT PROPERTIES, CONFORMING TO IS:11239
16	HANDLE CONSTRUCTION	S.S.304 HANDLE, WITH PVC SLEEVE
17	TYPE OF HANDLE	LEVER TYPE HANDLE
18	HANDLE NUT	SS202 WITH NYLON INSERT LOCK NUT
19	NECK CONSTRUCTION	NECK EXTENSION WITH INTEGRAL MEMORY STOP
20	PARTS & MOC USED IN EXTENDED NECK DESIGN	EXTENSION SHELL - SS202 (MOC) , EXTENSION SHAFT - BRASS IS:319 GRADE DCB-I (MOC)
21	DIMENSION OF EXTENDED NECK DESIGN	EXTENSION LENGTH OF 50MM
22	BALL SEAT	P.T.F.E SELF LUBRICATED
23	END CONNECTION	FEMALE SCREWED END CONNECTION AS PER IS 554/BS 21/ISO 7
24	BODY/SHELL LEAKAGE TEST	HYDROSTATIC @ 32 Kg/cm ² (456 P.S.I.G.)
25	SEAT LEAKAGE TEST	HYDROSTATIC @ 16 Kg/cm ² (228 P.S.I.G.)
26	WORKING/OPERATING PRESSURE	25 Kg/cm ²
27	PN RATING	PN25
28	MAXIMUM MEDIA TEMPERATURE RANGE	0°C-220°C

