

TECHNICAL DATA SHEET
2 WAY MOTORIZED GLOBE TYPE VALVE
SIZE 50,65,80,100,125,150,200MM



S.No.	DESCRIPTION	DETAILS
	VALVE DETAILS	
1	MAKE	"RC"
	SIZE	UPTO 50MM
2	BODY MATERIAL	CAST IRON IS:210 FG:260
3	BONNET MATERIAL	CAST IRON IS:210 FG:260
4	NO OF PORTS	2 CONNECTION PORTS
5	SPINDLE	S.S.304
6	PLUG	BRASS IS:1264, GRADE DCB-I
7	SEAT	BRASS IS:1264, GRADE DCB-I WITH PTFE SOFT SEAT
8	GLAND PACKAGING	SPRING LOADED WITH PTFE RINGS AND RUBBER SEALS
9	GLAND NUT	BRASS IS:319
10	END CONNECTION	FEMALE SCREWED END CONNECTION
11	MEDIA TEMPERAGE RANGE	3°C to 80°C
12	WORKING PRESSURE	7 Kg cm ²
13	BODY TEST PRESSURE	21 kg cm ²
14	PAINTING	RED OXIDE COATED AND ENAMEL SPRAY PAINTED
15	VALVE WEIGHT	Connection size: - 15mm - 3 Kg
		Connection size: - 20mm - 3 Kg
		Connection size: - 25mm - 3.3 Kg
		Connection size: - 32mm - 3.5 Kg
		Connection size: - 40mm - 4.6 Kg
		Connection size: - 50mm - 6.7 Kg
	ACTUATOR DETAILS	
16	BODY	ALUMINIUM (PRESSURE DIE CASTED)
17	TOP COVER	ABS
18	MOTOR	MICRO DC MOTOR
19	TYPE OF OPERATION	LINEAR MOTION
20	MOTOR PROTECTION	SOLID STATE INBUILT
21	OPERATING TEMPURATURE	5°C to 80°C

TECHNICAL DATA SHEET**2 WAY MOTORIZED GLOBE TYPE VALVE****SIZE 50,65,80,100,125,150,200MM**

	LIMIT	
22	STORAGE TEMPERATURE LIMIT	20°C to 50°C
23	NOISE RATING	UPTO 10 Db, WITHIN 1 METER DISTANCE
24	OPERATION TIME	45 SECONDS
25	MOUNTING	FIRM FIT WITH THERMAL BREAK
26	INPUT VOLTAGE	24V AC/DC, 50Hz
27	POWER CONSUMPTION	18 WATTS MAX
28	WIRING	SCREW TERMINALS
29	STROKE	19mm or less
30	CLOSING FORCE	510 Nm
31	BREAK AWAY FORCE	510 Nm
32	CONTROL SIGNAL (not selectable type, conform at the time of order)	MODULATING 0-10V DC INPUT SIGNAL
		MODULATING 4-20mA INPUT SIGNAL
		ON/OFF TYPE, (COM,NO,NC/2 Position floating)
33	FEEDBACK	4-20mA analog control signal (Optional) Note:- work with 4-20mA input signal
34	FAIL SAFE	STAY PUT
35	MANUAL OVERRIDE	NO
36	CONFIGERABLE JUMPERS	FIELD CONFIGERABLES JUMPERS FOR FORWARD REVERSE/REVERSE ACTION.
37	DEGREE OF PROTECTION	IP 64
38	ACTUATOR WEIGHT	1.6 Kg

S.No.	DESCRIPTION	DETAILS
	VALVE DETAILS	
	SIZE	65MM, 80MM
1	MAKE	"RC"
2	BODY MATERIAL	CAST IRON IS:210 FG:260
3	BONNET MATERIAL	CAST IRON IS:210 FG:260
4	NO OF PORTS	2 CONNECTION PORTS
5	SPINDLE	S.S.304
6	PLUG	BRASS IS:1264, GRADE DCB-I
7	SEAT	BRASS IS:1264, GRADE DCB-I WITH PTFE SOFT SEAT

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8	GLAND PACKAGING	SPRING LOADED WITH PTFE RINGS AND RUBBER SEALS
9	GLAND NUT	BRASS IS:319
10	END CONNECTION	FLANGE END AS PER IS6418 TABLE 5
11	TEMPERAGE RANGE LIMIT	3°C to 80°C
12	WORKING PRESSURE	7 Kg cm²
13	BODY TEST PRESSURE	21 kg cm²
14	PAINTING	RED OXIDE COATED AND ENAMEL SPRAY PAINTED
15	VALVE WEIGHT	CONNECTION SIZE: - 65mm - 21 Kg
		CONNECTION SIZE: - 80mm - 27 Kg
	ACTUATOR DETAILS	
16	BODY	ALUMINIUM (PRESSURE DIE CASTED)
17	TOP COVER	ABS
18	MOTOR	MICRO DC MOTOR
19	TYPE OF OPERATION	LINEAR MOTION
20	MOTOR PROTECTION	SOLID STATE INBUILT
21	OPERATING TEMPURATURE LIMIT	5°C to 80°C
22	STORAGE TEMPURATURE LIMIT	20°C to 50°C
23	NOISE RATING	UPTO 12 Db, WITHIN 1 METER DISTANCE
24	OPERATION TIME	60 SECONDS
25	MOUNTING	FIRM FIT WITH THERMAL BREAK
26	INPUT VOLTAGE	24V AC/DC, 50Hz
27	POWER CONSUMPTION	25 WATTS MAX
28	WIRING	SCREW TERMINALS
29	STROKE	21mm or less
30	CLOSING FORCE	690 Nm
31	BREAK AWAY FORCE	690 Nm

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32	CONTROL SIGNAL (not selectable type, conform at the time of order)	MODULATING 0-10V DC INPUT SIGNAL
		MODULATING 4-20mA INPUT SIGNAL
		ON/OFF TYPE, (COM,NO,NC/2 Position floating)
33	FEEDBACK	4-20mA analog control signal (Optional) Note:- work with 4-20mA input signal
34	FAIL SAFE	STAY PUT
35	MANUAL OVERRIDE	NO
36	CONFIGERABLE JUMPERS	FIELD CONFIGERABLES JUMPERS FOR FORWARD REVERSE/REVERSE ACTION.
37	DEGREE OF PROTECTION	IP 64
38	ACTUATOR WEIGHT	4.4 Kg

S.No.	DESCRIPTION	DETAILS
	VALVE DETAILS	
	SIZE	100MM
1	MAKE	"RC"
2	BODY MATERIAL	CAST IRON IS:210 FG:260
3	BONNET MATERIAL	CAST IRON IS:210 FG:260
4	NO OF PORTS	2 CONNECTION PORTS
5	SPINDLE	S.S.304
6	PLUG	BRASS IS:1264, GRADE DCB-I
7	SEAT	BRASS IS:1264, GRADE DCB-I WITH PTFE SOFT SEAT
8	GLAND PACKAGING	SPRING LOADED WITH PTFE RINGS AND RUBBER SEALS
9	GLAND NUT	BRASS IS319
10	END CONNECTION	FLANGE END AS PER IS 6418 TABLE 5
11	TEMPERAGE RANGE LIMIT	3°C to 80°C
12	WORKING PRESSURE	7 Kg cm²
13	BODY TEST PRESSURE	21 kg cm²
14	PAINTING	RED OXIDE COATED AND ENAMEL SPRAY PAINTED
15	VALVE WEIGHT	40 Kg
	ACTUATOR DETAILS	
16	BODY	ALUMINIUM (PRESSURE DIE CASTED)

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17	TOP COVER	ABS
18	MOTOR	MICRO DC MOTOR
19	TYPE OF OPERATION	LINEAR MOTION
20	MOTOR PROTECTION	SOLID STATE INBUILT
21	OPERATING TEMPERATURE LIMIT	5°C to 80°C
22	STORAGE TEMPERATURE LIMIT	20°C to 50°C
23	NOISE RATING	UPTO 12 Db, WITHIN 1 METER DISTANCE
24	OPERATION TIME	80 SECONDS
25	MOUNTING	FIRM FIT WITH THERMAL BREAK
26	INPUT VOLTAGE	24V AC/DC, 50Hz
27	POWER CONSUMPTION	25 WATTS MAX
28	WIRING	SCREW TERMINALS
29	STROKE	28mm or less
30	CLOSING FORCE	690 Nm
31	BREAK AWAY FORCE	690 Nm
32	CONTROL SIGNAL (not selectable type, conform at the time of order)	MODULATING 0-10V DC INPUT SIGNAL
		MODULATING 4-20mA INPUT SIGNAL
		ON/OFF TYPE, (COM,NO,NC/2 Position floating)
33	FEEDBACK	4-20mA analog control signal (Optional) Note:- work with 4-20mA input signal
34	FAIL SAFE	STAY PUT
35	MANUAL OVERRIDE	NO
36	CONFIGERABLE JUMPERS	FIELD CONFIGERABLES JUMPERS FOR FORWARD REVERSE/REVERSE ACTION.
37	DEGREE OF PROTECTION	IP 64
38	ACTUATOR WEIGHT	4.9 Kg

S.No.	DESCRIPTION	DETAILS
	VALVE DETAILS	
	SIZE	125MM
1	MAKE	"RC"
2	BODY MATERIAL	CAST IRON IS:210 FG:260

TECHNICAL DATA SHEET**2 WAY MOTORIZED GLOBE TYPE VALVE****SIZE 50,65,80,100,125,150,200MM**

3	BONNET MATERIAL	CAST IRON IS:210 FG:260
4	NO. OF PORT	2 CONNECTION PORTS
5	SPINDLE	S.S.304
6	PLUG	BRASS IS:1264, GRADE DCB-I
7	SEAT	BRASS IS:1264, GRADE DCB-I
8	GLAND PACKAGING	SPRING LOADED WITH PTFE RINGS AND RUBBER SEALS
9	GLAND NUT	BRASS IS:319
10	END CONNECTION	FLANGE END AS PER BS-10 TABLE-E
11	TEMPERAGE RANGE LIMIT	3°C to 80°C
12	WORKING PRESSURE	7 Kg cm²
13	BODY TEST PRESSURE	21 kg cm²
14	PAINTING	RED OXIDE COATED AND ENAMEL SPRAY PAINTED
15	VALVE WEIGHT	53 KG
	ACTUATOR DETAILS	
16	BODY	ALUMINIUM (PRESSURE DIE CASTED)
17	TOP COVER	ABS
18	MOTOR	MICRO DC MOTOR
19	TYPE OF OPERATION	LINEAR MOTION
20	MOTOR PROTECTION	SOLID STATE INBUILT
21	OPERATING TEMPURATURE LIMIT	5°C to 80°C
22	STORAGE TEMPURATURE LIMIT	20°C to 50°C
23	NOISE RATING	UPTO 12 Db, WITHIN 1 METER DISTANCE
24	OPERATION TIME	120 SECONDS
25	MOUNTING	FIRM FIT WITH THERMAL BREAK
26	INPUT VOLTAGE	24V AC/DC, 50Hz
27	POWER CONSUMPTION	25 WATTS MAX
28	WIRING	SCREW TERMINALS
29	STROKE	35mm or less
30	CLOSING FORCE	780 Nm
31	BREAK AWAY FORCE	780 Nm
32	CONTROL SIGNAL (not selectable type, conform at the time of order)	MODULATING 0-10V DC INPUT ANALOG SIGNAL MODULATING 4-20mA INPUT ANALOG SIGNAL ON/OFF TYPE, (COM,NO,NC/2 Position floating)

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SIZE 50,65,80,100,125,150,200MM

33	FEEDBACK	4-20mA analog control signal (Optional) Note:- work with 4-20mA input signal
34	FAIL SAFE	STAY PUT
35	MANUAL OVERRIDE	NO
36	CONFIGERABLE JUMPERS	FIELD CONFIGERABLES JUMPERS FOR FORWARD REVERSE/REVERSEACTION.
37	DEGREE OF PROTECTION	IP 64
38	ACTUATOR WEIGHT	5.5 Kg

S.No.	DESCRIPTION	DETAILS
	VALVE DETAILS	
1	MAKE	"RC"
	SIZE	150MM
2	BODY MATERIAL	CAST IRON IS:210 FG:260
3	BONNET MATERIAL	CAST IRON IS:210 FG:260
4	NO. OF PORT	2 CONNECTION PORTS
5	SPINDLE	S.S.304
6	PLUG	BRASS IS:1264, GRADE DCB-I
7	SEAT	BRASS IS:1264, GRADE DCB-I
8	GLAND PACKAGING	SPRING LOADED WITH PTFE RINGS AND RUBBER SEALS
9	GLAND NUT	BRASS IS:319
10	END CONNECTION	FLANGE END AS PER BS-10 TABLE-E
11	TEMPERAGE RANGE LIMIT	3°C to 80°C
12	WORKING PRESSURE	7 Kg cm²
13	BODY TEST PRESSURE	21 kg cm²
14	PAINTING	RED OXIDE COATED AND ENAMEL SPRAY PAINTED
15	VALVE WEIGHT	88 KG
	ACTUATOR DETAILS	
16	BODY	ALUMINIUM (PRESSURE DIE CASTED)
17	TOP COVER	ABS
18	MOTOR	MICRO DC MOTOR
19	TYPE OF OPERATION	LINEAR MOTION
20	MOTOR PROTECTION	SOLID STATE INBUILT
21	OPERATING TEMPURATURE	5°C to 80°C

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	LIMIT	
22	STORAGE TEMPERATURE LIMIT	20°C to 50°C
23	NOISE RATING	UPTO 12 Db, WITHIN 1 METER DISTANCE
24	OPERATION TIME	160 SECONDS
25	MOUNTING	FIRM FIT WITH THERMAL BREAK
26	INPUT VOLTAGE	24V AC/DC, 50Hz
27	POWER CONSUMPTION	25 WATTS MAX
28	WIRING	SCREW TERMINALS
29	STROKE	42mm or less
30	CLOSING FORCE	780 Nm
31	BREAK AWAY FORCE	780 Nm
32	CONTROL SIGNAL (not selectable type, conform at the time of order)	MODULATING 0-10V DC INPUT ANALOG SIGNAL
		MODULATING 4-20mA INPUT ANALOG SIGNAL
		ON/OFF TYPE, (COM,NO,NC/2 Position floating)
33	FEEDBACK	4-20mA analog control signal (Optional) Note:- work with 4-20mA input signal
34	FAIL SAFE	STAY PUT
35	MANUAL OVERRIDE	NO
36	CONFIGERABLE JUMPERS	FIELD CONFIGERABLES JUMPERS FOR FORWARD REVERSE/REVERSE ACTION.
37	DEGREE OF PROTECTION	IP 64
38	ACTUATOR WEIGHT	5.7 Kg

S.No.	DESCRIPTION	DETAILS
	VALVE DETAILS	
1	MAKE	"RC"
	SIZE	200MM
2	BODY MATERIAL	CAST IRON IS:210 FG:260
3	BONNET MATERIAL	CAST IRON IS:210 FG:260
4	NO. OF PORT	2 CONNECTION PORTS5
5	SPINDLE	S.S.304
6	PLUG	BRASS IS:1264, GRADE DCB-I
7	SEAT	BRASS IS:1264, GRADE DCB-I

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8	GLAND PACKAGING	SPRING LOADED WITH PTFE RINGS AND RUBBER SEALS
9	GLAND NUT	BRASS IS:319
10	END CONNECTION	FLANGE END AS PER BS-10 TABLE-E
11	TEMPERAGE RANGE LIMIT	3°C to 80°C
12	WORKING PRESSURE	7 Kg cm²
13	BODY TEST PRESSURE	21 kg cm²
14	PAINTING	RED OXIDE COATED AND ENAMEL SPRAY PAINTED
15	VALVE WEIGHT	140 KG approx
	ACTUATOR DETAILS	
16	BODY	ALUMINIUM (PRESSURE DIE CASTED)
17	TOP COVER	ABS
18	MOTOR	MICRO DC MOTOR
19	TYPE OF OPERATION	LINEAR MOTION
20	MOTOR PROTECTION	SOLID STATE INBUILT
21	OPERATING TEMPURATURE LIMIT	5°C to 80°C
22	STORAGE TEMPURATURE LIMIT	20°C to 50°C
23	NOISE RATING	UPTO 12 Db, WITHIN 1 METER DISTANCE
24	OPERATION TIME	300 SECONDS approx..
25	MOUNTING	FIRM FIT WITH THERMAL BREAK
26	INPUT VOLTAGE	24V AC/DC, 50Hz
27	POWER CONSUMPTION	25 WATTS MAX
28	WIRING	SCREW TERMINALS
29	STROKE	70mm or less
30	CLOSING FORCE	980 Nm
31	BREAK AWAY FORCE	980 Nm
32	CONTROL SIGNAL (not selectable type, conform at the time of order)	MODULATING 0-10V DC INPUT ANALOG SIGNAL
		MODULATING 4-20mA INPUT ANALOG SIGNAL
		ON/OFF TYPE, (COM,NO,NC/2 Position floating)
33	FEEDBACK	4-20mA analog control signal (Optional) Note:- work with 4-20mA input signal
34	FAIL SAFE	STAY PUT
35	MANUAL OVERRIDE	NO
36	CONFIGERABLE JUMPERS	FIELD CONFIGERABLES JUMPERS FOR FORWARD REVERSE/REVERSE ACTION.

TECHNICAL DATA SHEET

2 WAY MOTORIZED GLOBE TYPE VALVE

SIZE 50,65,80,100,125,150,200MM

37	DEGREE OF PROTECTION	IP 64
38	ACTUATOR WEIGHT	10 Kg