

**EB..**

These 3 way Ball Valves are suitable for use in heating and air conditioning applications to control the flow of chilled water, hot water and up to 30% glycol in closed circuit systems. In open circuits ie mains water or cooling towers, mineral deposits will impair the operation. For diverting applications install in the return pipe only. For mixing applications install in the flow pipe. There must be 2 inlets and 1 outlet stream at all times. Reversal of this will cause vibration and water hammer.



Body : EB..TA..LG = Brass  
 Body : EB.. FL Flange: Cast Iron  
 Ball : Brass Nickel Plated  
 Ball Gasket : PTFE  
 Valve Stem Gasket : Rubber EPDM  
 Rotary travel : 90°  
 Flange valves to PN16  
 Full Bore Passage  
 Tight Shut-off

Type	Size	Kvs m³/h	Max Diff Pressure Bar	Max Pressure Bar	Port Position Table	Media Temp °C	Select Motor
<b>EB15-3TA</b>	15mm ½" BSP Female	13.4	6	16	1	2 - 110	E08.. ER08..
<b>EB20-3TB</b>	20mm ¾" BSP Female	16.5	6	16	1	2 - 110	E08.. ER08..
<b>EB25-3TC</b>	25mm 1" BSP Female	18	6	16	1	2 - 110	E08.. ER08..
<b>EB32-3TD</b>	32mm 1¼" BSP Female	26	6	16	1	2 - 110	ER20..
<b>EB40-3LE</b>	40mm 1½" BSP Female	48.5	6	16	2	2 - 110	ER20..
<b>EB50-3LF</b>	50mm 2" BSP Female	64.5	6	16	2	2 - 110	ER20..

Supplied complete with mounting bracket for the motor.  
 The motor Part Number must be clearly specified to match each valve ordered.  
 Select motor type E08..E16..E24..E32.. from separate data sheet.

**DIMENSIONS**

**VERTICAL T**  
Align the motor shaft as shown and fit onto valve spindle.

The arrows on the shaft and spindle just indicate the open ports.

Open 1 → 2 Closed  
Open Motor Clockwise

Closed 1 ← 2 Open  
Open Motor Anti-Clockwise

	A	B	C	D
<b>EB15-3TA</b>	73	73	31	80
<b>EB20-3TB</b>	84	87	35.5	84.5
<b>EB25-3TC</b>	95	104	40	167
<b>EB32-3TD</b>	107	115	46.5	178

**HORIZONTAL T**  
Align the motor shaft as shown and fit onto valve spindle.

The arrows on the shaft and spindle just indicate the open ports.

Open 1 ↓ 2  
Closed Motor Clockwise

Closed 1 ↑ 2  
Open Motor Anti-Clockwise

	A	B	C	D	E
<b>EB40-3LE</b>	119	60	39	58	107
<b>EB50-3LF</b>	138	71.5	47.5	148	197
<b>EB65-3LG</b>	164	89	60	94	210

	A	B	C	D	FL
<b>EB50-3FFL</b>	320	160	112.5	152.5	165
<b>EB65-3GFL</b>	350	175	120.5	160.5	185
<b>EB80-3HFL</b>	390	195	130	170	200
<b>EB100-3LFL</b>	430	215	140	180	220

Install the valve with the spindle at any angle from vertical to 30° above horizontal.

**ACCESSORIES:** **EE-7EB** Linkage Kit with ER-08.. spring return actuator 15 - 32mm  
**EE-8EB** Linkage Kit with ER-20.. spring return actuator 40 - 65mm

**FLOW CHARTS:**

