

**LIFT & LAY / SEAT VALVES  
2 & 3 WAY**

**MK.. MKDN..**

These mixing valves are suitable for diverting or mixing applications in closed hot water, chilled water & up to 30% glycol systems. In open circuits, ie mains water or cooling towers, mineral deposits will impair the operation. For diverting applications the valve must be installed in the return pipe only. For mixing or diverting there must be 2 inlets and 1 outlet stream. Reversal of these will cause vibration & water hammer.



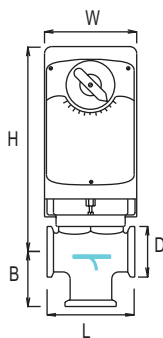
- Stainless steel spindle
- Flanged valves to PN16
- Rangeability 30:1
- Media temp. 2°C to 110°C
- Tight Shut off
- Max. pressure 16 Bar
- Equal percentage flow characteristic
- Leakage 0.1% Kvs

Type	Size		Max Diff Pressure Bar	Kvs m <sup>3</sup> /h	Lift Height mm	Valve Body Material	Select Motor Spring Rtn
<b>MK15</b>	15mm	½" BSP	10	3	15	Brass	E08.. ER08..
<b>MK20</b>	20mm	¾" BSP	10	6	15	Brass	E08.. ER08..
<b>MK25</b>	25mm	1" BSP	10	9	15	Brass	E08.. ER08..
<b>MK32</b>	32mm	1¼" BSP	6.5	14	15	Brass	E08.. ER08..
<b>MK40</b>	40mm	1½" BSP	3.5	19	15	Brass	E08.. ER08..
<b>MK50</b>	50mm	2" BSP	2.5	25	15	Brass	E08.. ER08..
<b>MKDN50</b>	50mm	2" Flanged	3.5	40	16	Cast Iron	E16.. ER20..
<b>MKDN65</b>	65mm	2½" Flanged	2	63	30	Cast Iron	E16.. ER20..
<b>MKDN80</b>	80mm	3" Flanged	1	100	30	Cast Iron	E16.. ER20..
<b>MKDN100</b>	100mm	4" Flanged	0.8	160	30	Cast Iron	E16.. ER20..

**ORDER VALVE + LINKAGE + MOTOR**

**SEE SEPARATE DATA SHEET TO SELECT MOTOR.**

**DIMENSIONS**



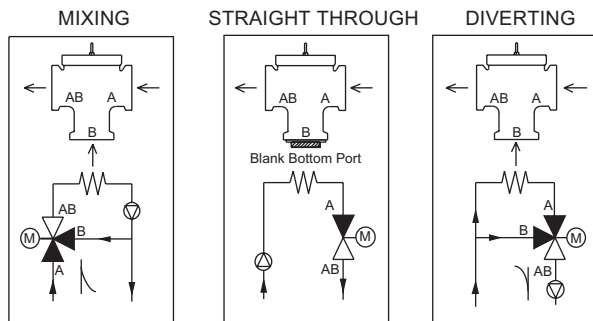
VALUE	SIZE	W	L	B	H	D
MK15	½"	102	80	55	289	
MK20	¾"	102	80	55	289	
MK25	1"	102	90	60	289	
MK32	1¼"	102	110	65	289	
MK40	1½"	102	110	65	289	
MK50	2"	102	150	85	294	
MKDN50	50mm	102	230	100	309	165
MKDN65	65mm	102	291	120	344	185
MKDN80	80mm	102	312	130	354	200
MKDN100	100mm	102	350	150	400	220

**ACCESSORIES:**

- EE-2MK** Linkage Kit for MK15 to MK50 screwed valves Suitable for use with E08.. E16.. motors ONLY
- EE-3MK** Linkage Kit for MKDN50 flanged valve Suitable for use with E16.. motors ONLY
- EE-4MK** Linkage Kit for MKDN65, MKDN80, MKDN100 flanged valves Suitable for use with E16.. motors ONLY
- EE-10MK** Linkage Kit for MK15 to MK50 screwed valves For Spring Return ER08 motors ONLY
- EE-11MK** Linkage Kit for MKDN50 flanged valves For Spring Return ER20 motors ONLY
- EE-12MK** Linkage Kit for MKDN65, MKDN80 flanged valves For Spring Return ER20 motors ONLY

**EXAMPLES:**

**TYPICAL APPLICATIONS**



**VALVE**  
 Valve stem UP B to AB open  
 Valve stem DOWN A to AB open

For 2 port valves the bottom port must be blanked - Reduce ΔP  
 Install the valve with the spindle at any angle vertical to 30° above horizontal.

**Flow chart**

