

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.



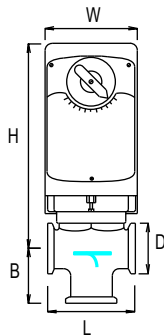
Stainless steel spindle
Flanged valves to PN16
Rangeability 30:1
Media temp. 2°C to 110°C
Tight Shut off
Max. pressure 16 Bar
Equal percentage flow characteristic
Leakage 0.1% Kvs

Type	Size	Max Diff Press Bar	Kvs m ³ /h	Lift Height mm	Valve Body Material	Select Motor		
						8Nm	16Nm	Spring Rtn
MK15	15mm ½" BSP	10	3	15	Brass	E08..	E16..	ER16..
MK20	20mm ¾" BSP	10	6	15	Brass	E08..	E16..	ER16..
MK25	25mm 1" BSP	10	9	15	Brass	E08..	E16..	ER16..
MK32	32mm 1¼" BSP	6.5	14	15	Brass	E08..	E16..	ER16..
MK40	40mm 1½" BSP	3.5	19	15	Brass	E08..	E16..	ER16..
MK50	50mm 2" BSP	2.5	25	15	Brass	E08..	E16..	ER16..
MKDN50	50mm 2" Flanged	3.5	40	16	Cast Iron		E16..	ER16..
MKDN65	65mm 2½" Flanged	2	63	30	Cast Iron		E16..	ER16..
MKDN80	80mm 3" Flanged	1	100	30	Cast Iron		E16..	ER16..
MKDN100	100mm 4" Flanged	0.8	160	30	Cast Iron		E16..	

ORDER VALVE + LINKAGE + MOTOR

SEE SEPARATE DATA SHEET TO SELECT MOTOR.

DIMENSIONS:



VALVE	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

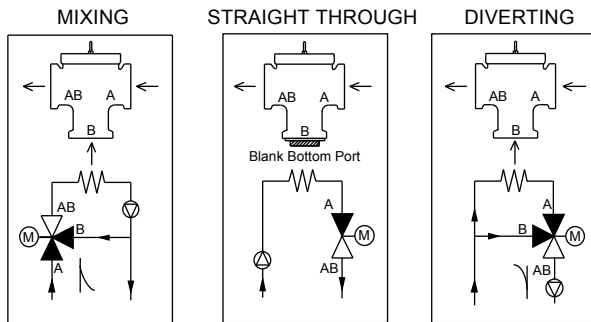
ACCESSORIES:

- EE-2MK** Linkage Kit for MK15 to MK50 screwed valves.
- EE-3MK** Linkage Kit for MKDN50 flanged valve
- EE-4MK** Linkage Kit for MKDN65, MKDN80, MKDN100 flanged valves
- EE-6MK** Linkage Kit for MK15 to MK50 screwed valves.
- EE-7MK** Linkage Kit for MKDN50 flanged valve
- EE-8MK** Linkage Kit for MKDN65, MKDN80 flanged valves

Suitable for use with E08.. E16.. motors ONLY
Suitable for use with E16.. motors ONLY
Suitable for use with E16.. motors ONLY
For Spring Return ER16.. motors ONLY
For Spring Return ER16.. motors ONLY
For Spring Return ER16.. motors ONLY

EXAMPLES:

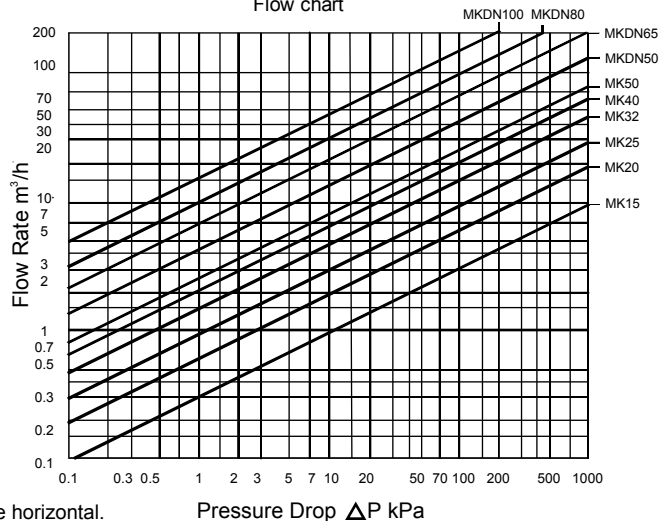
TYPICAL APPLICATIONS



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



Pressure Drop ΔP kPa