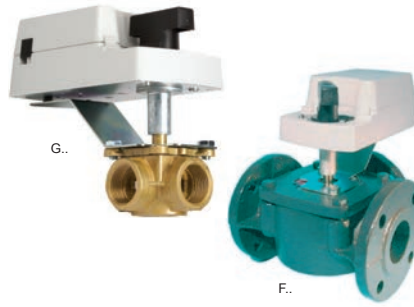


AB.. AC.. F..

A range of rotary valves 15mm to 150mm suitable for diverting or mixing water in closed circuit heating applications.

Media temperature 5°C to 110°C
In open circuits ie mains water, cooling towers etc. mineral deposits will impair the operation.

The position of the shoe is always opposite the flat on the spindle.



F.. valves flanged to PN6

Material :
3AB.. Brass
3AC.. & F.. Cast Iron body, Brass shoe, Stainless Steel spindle.

The valve can be installed with the spindle at any angle vertical to 30° above the horizontal plane.
All leakage rates are measured at a differential pressure of 0.5 Bar.

Type	Size			Kvs m³/h	Leakage % Kvs		Max Static Pressure	Select Motor		Spring Return
					Mixing	Diverting		4Nm		
3AB15-25	15mm	½"	BSP	2.5	<0.2%	<0.2%	10 Bar	EK4..	E08..	ER08..
3AB20-4	20mm	¾"	BSP	4	<0.2%	<0.2%	10 Bar	EK4..	E08..	ER08..
3AB20-63	20mm	¾"	BSP	6.3	<0.2%	<0.2%	10 Bar		E08..	ER08..
3AB25-8	25mm	1"	BSP	8	<0.2%	<0.2%	10 Bar		E08..	ER08..
3AB25-12	25mm	1"	BSP	12	<0.2%	<0.2%	10 Bar		E08..	ER08..
3AB32-15	32mm	1¼"	BSP	15	<0.2%	<0.2%	10 Bar		E08..	ER08..
3AC20	20mm	¾"	BSP	8	<1%	<0.5%	10 Bar		E08..	ER08..
3AC25	25mm	1"	BSP	12	<1%	<0.5%	10 Bar		E08..	ER08..
3AC32	32mm	1¼"	BSP	18	<1%	<0.5%	10 Bar		E08..	ER08..
3AC40	40mm	1½"	BSP	24	<1%	<0.5%	10 Bar		E16..	ER20..
3AC50	50mm	2"	BSP	40	<1%	<0.5%	10 Bar		E16..	ER20..
3F50	50mm	2"	Flanged	60	<1%	<0.5%	6 Bar	EK4..	E16..	ER20..
3F65	65mm	2½"	Flanged	90	<1%	<0.5%	6 Bar		E16..	ER20..
3F80	80mm	3"	Flanged	150	<1%	<0.5%	6 Bar		E16..	ER20..
3F100	100mm	4"	Flanged	225	<1%	<0.5%	6 Bar		E16..	ER20..
3F125	125mm	5"	Flanged	280	<1%	<0.5%	6 Bar		E16..	ER20..
3F150	150mm	6"	Flanged	400	<1%	<0.5%	6 Bar		E16..	ER20..

ORDER VALVE + LINKAGE + MOTOR - SEE DATA SHEET ON MOTORS.
On 3AB.. and 3AC.. for 360° rotation remove the red disc under the knob

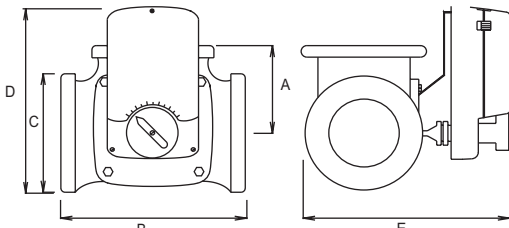
For 2 ports – blank the middle port - reduce ΔP

DIMENSIONS

VALVE	A	B	D	E
3AB15-25	40	80	170	140
3AB20-4	40	80	170	140
3AB20-63	40	80	170	140
3AB25-8	41	82	172	143
3AB25-12	41	82	172	143
3AB32-18	42	84	175	144

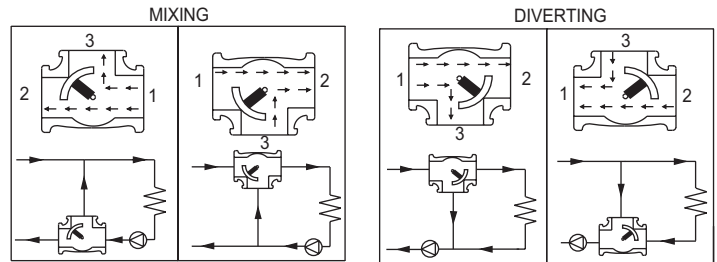
VALVE	A	B	D	E
3AC20	56	112	186	183
3AC25	56	112	187	183
3AC32	63.5	127	187	183
3AC40	63.5	127	187	183
3AC50	63.5	127	187	211

VALVE	A	B	C	D	E
3F50	97.5	195	140	215	236
3F65	100	200	160	225	246
3F80	120	240	190	235	273
3F100	132.5	265	210	245	295
3F125	150	300	240	275	316
3F150	175	350	265	305	337



Dimensions D & E are for E08.. E16.. motors only
D & E will be less for EK4.. & more for ER16..

On 3AB.. and 3AC.. for 360° rotation remove the red disc under the knob



The motor can operate between ports 3-2 or 3-1

ACCESSORIES:

- EE-2MB** Linkage for Satchwell MB valve - use E08.. & E16.. motors ONLY
- EE-2MBF** Linkage for Satchwell MBF valve - use E16.. motors ONLY

- EE-1ESB** Linkage Kit - use EK4.. motors ONLY
- EE-2ESB** Linkage Kit - use E08.. & E16.. motors ONLY
- EE-5ESB** Linkage Kit - use ER08.. motors ONLY
- EE-6ESB** Linkage Kit - use ER20.. motors ONLY

FLOW CHARTS:

