

Drayton

Motorised Valves



The new Drayton 2 port, diverter and mid-position valves are available in 22mm, 28mm and $\frac{3}{4}$ " sizes. All models feature new "snap-on" actuators and have industry-standard wiring and dimensions.



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Motorised valves

FEATURES

- New “snap-on” actuators can be removed at the push of a button
- Positive fuel saving control
- 2 Port, diverter and mid-position available in 22mm, 28mm and 3/4" sizes
- 100% tight shut off
- Manual lever and valve position indicator
- Spring return
- Replaceable actuators
- Replaceable motors
- Simple industry-standard wiring
- Easily replaces most makes

TECHNICAL DATA

Standard motor voltage:
230v 50HZ 6.5 watts

Valve operation:

2 Port: standard valves – energise to open

Diverter: energise to open port A

Mid-position: heating, hot water or a combination of both

Operating time:

2 Port: motor 14 secs., spring return 6 secs.

Diverter: motor 12 secs., spring return 6 secs.

Max. static pressure: 6.75 bar

Max. differential pressure: See opposite

Water temperature: 93°C max., 2°C min

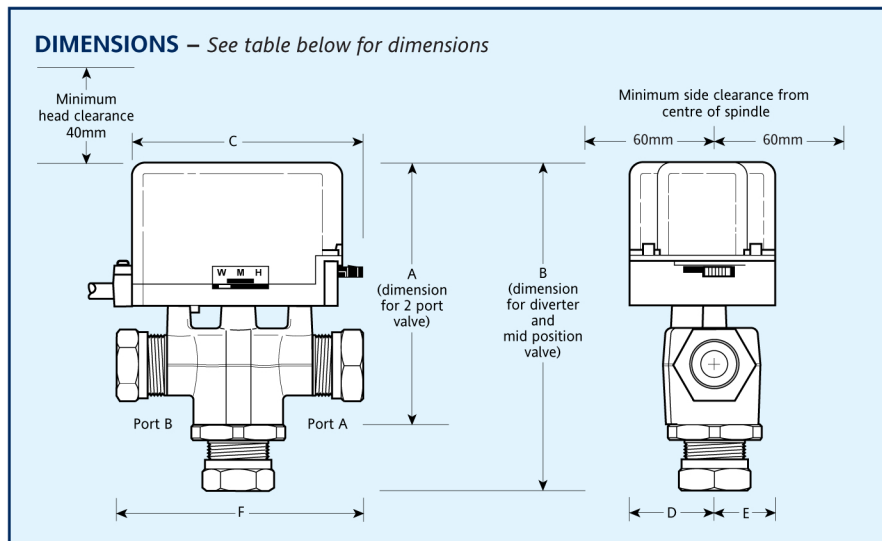
Max. ambient temperature: 52°C

Valve body: Brass forging

Connections: 22mm compression;
28mm compression; 3/4" male or female

Lead length: 1 Metre

Switch ratings: 24v – 230v AC 3(1)A



DIMENSIONS (see drawing above)

Size	Model	A	B	C	D	E	F
22mm	2 Port zone valve – 5 wire SPST switch	120	–	105	43	27	110
22mm	Mid-position valve	–	145	105	43	27	110
22mm	3 Port diverter valve – no switch	–	145	105	43	27	110
22mm	3 Port diverter valve – 5 wire SPST switch	–	145	105	43	27	110
22mm	3 Port diverter – VM5 Homewarm	–	145	105	43	27	110
28mm	2 Port zone valve – 6 wire SPDT switch	117	–	105	43	27	124
28mm	Mid position valve	–	150	105	43	27	124
28mm	3 Port diverter valve – no switch	–	150	105	43	27	124

ORDERING INFORMATION

Size	Complete valve and actuator	Model ref.	Part no.	Fittings	Kv	MaxΔP
22mm	2 Port zone valve – 5 wire SPST switch	ZA5/679-2	27100	Ext	4.8	1 bar
22mm	Mid-position valve	MA1/679-3	27101	Ext	4.8	0.7 bar
22mm	3 Port diverter valve – no switch	ZA3/679-3	27102	Ext	4.8	1.7 bar
22mm	3 Port diverter valve – 5 wire SPST switch	ZA5/679-3	27111	Ext	4.8	1.7 bar
22mm	3 Port diverter – VM5 Homewarm	ZA3/679-3-11	27112	Ext	4.8	1.7 bar
28mm	2 Port zone valve – 6 wire SPDT switch	ZA6/779-2	27205	Int	6.7	0.5 bar
28mm	Mid-position valve	MA1/779-3	27206	Int	6.7	0.7 bar
28mm	3 Port diverter valve – no switch	ZA3/779-3	27207	Int	6.7	1.5 bar
Size	Spare valve bodies	Model ref.	Part no.	Fittings	Kv	MaxΔP
22mm	2 Port body	679-2	27600	Ext	4.8	1 bar
22mm	3 Port body	679-3	27602	Ext	4.8	1.7 bar
28mm	2 Port body	779-2	27601	Int	6.7	0.5 bar
28mm	3 Port body	779-3	27603	Int	6.7	1.5 bar
1"	3 Port body	773-3	27606	F.I.	6.7	1.5 bar
1"	2 Port body	773-2-5	27611	F.I.	4.8	1 bar
1"	2 Port body	773-2	27612	F.I.	6.7	0.5 bar
¾"	3 Port male iron body	662-3	27621	M.I.	4.8	1.7 bar
¾"	2 Port male iron body	662-2	27622	M.I.	4.8	1 bar
¾"	3 Port body	572-3	27623	F.I.	4.8	1.7 bar
¾"	2 Port body	572-2	27624	F.I.	4.8	1 bar
Size	Spare actuators	Model ref.	Part no.	Voltage	Switch type	
3 Wire	Zone valve actuator	ZA3	27652	230v	No switch	
5 Wire	Zone valve actuator	ZA5	27650	230v	SPST	
6 Wire	Zone valve actuator	ZA6	27653	230v	SPDT	
3 Wire	Zone valve actuator	ZA3A	27654	24v	No switch	
5 Wire	Zone valve actuator	ZA5A	27656	24v	SPST	
6 Wire	Zone valve actuator	ZA6A	27657	24v	SPDT	
Mid-position actuator		MA1	27651	230v	See instructions	



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