

Motorised Valves



HEATING



The new Drayton 2 port, diverter and mid-position valves are available in 22mm and 28mm. All models feature new "snap-on" actuators and have industry-standard wiring and dimensions.

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 and 28mm 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 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: 8.6 bar

Max. differential pressure: See opposite

Water temperature: 93°C max., 2°C min

Max. ambient temperature: 52°C

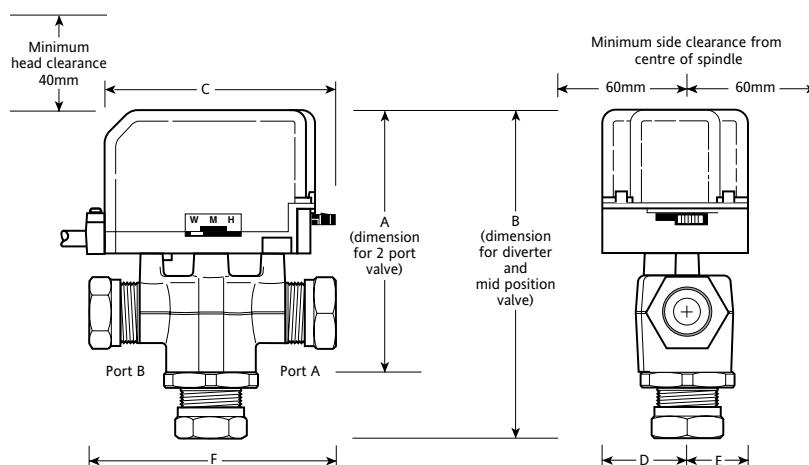
Valve body: Brass forging

Connections: 22mm compression;
28mm compression

Lead length: 1m

Switch ratings: 24V – 230V a.c. 3(1)A

Dimensions – See table below for dimensions



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
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	0.7 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	0.7 bar
22mm	3 Port diverter valve – 5 wire SPST switch	ZA5/679-3	27111	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	0.7 bar
Size	Spare valve bodies	Model ref.	Part no.	Fittings	Kv	MaxΔP
22mm	2 Port body	679-2	27600	Ext	4.8	0.7 bar
22mm	3 Port body	679-3	27602	Ext	4.8	0.7 bar
28mm	2 Port body	779-2	27601	Int	6.7	0.5 bar
28mm	3 Port body	779-3	27603	Int	6.7	0.7 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	

Invensys Controls Europe

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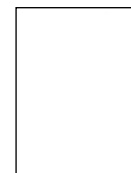
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Available from:



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