



2 & 3 Port EcoSmart Valves

Saves Energy, Saves Money & Reduces Maintenance



- **Motor On / Motor Off action** – consumes power only when valve moves
- **Robust manual wheel and valve position indicator** – eases installation
- **Actuator replaceable without draining down system** – eases maintenance
- **Replaces most spring return brands** – reduces stock



- **Simple industry standard wiring** – reduces installer errors
- **Self cleaning shoe action** – reduces the possibility of valve “sticking”
- **High flow rates** – heats radiators quicker
- **Max. flow temperature of 93°C** – suits most conventional DHW & CH systems

The EcoSmart motorised zone valves save energy, save money & reduce maintenance. Sunvic proprietary technology is used to create valves that only use energy when they change position, resulting in greater reliability and longer life. Independent testing has shown the EcoSmart valve to be 95% more energy efficient than conventional spring return valves. The resulting savings mean that the valves pay for themselves during their lifetime.

2-Port EcoSmart part numbers

Valve size & connection detail	Complete valve & actuator order code	Actuator only order code	Valve body only order code	Valve Kv
15mm (internal compression)	SZMV2322	SZM1801	ML3402	4.8
Part number	8912322	4101801	6113402	
22mm (external compression)	SZMV2305	SZM1801	EML3454	8.9
Part number	8912305	4101801	6113454	
28mm (external compression)	SZMV2323	SZM1801	EML3503	23.1
Part number	8912323	4101801	6113503	
1/2" BSP (female)	SZMV2324	SZM1801	ML3401	4.8
Part number	8912324	4101801	6113401	
3/4" BSP (female)	SZMV2325	SZM1801	ML3451	8.9
Part number	8912325	4101801	6113451	
1" BSP (female)	SZMV2326	SZM1801	ML3501	23.1
Part number	8912326	4101801	6113501	

3-Port EcoSmart part numbers

Valve size & connection detail	Complete valve & actuator order code	Actuator only order code	Valve body only order code	Valve Kv
Mid Position				
22mm (external compression)	SDMV2304	SDM1901	EDT3201	8.7/10.9/8.7
Part number	8912304	4101901	6053201	
28mm (external compression)	SDMV2320	SDM1901	EDT3706	8.7/10.9/8.7
Part number	8912320	4101901	6053706A	
1" BSP (female)	SDMV2321	SDM1901	DT3606	8.7/10.9/8.7
Part number	8912321	4101901	6053606A	

2-Port EcoSmart compatibility

1" BSP Valve		28mm Valve	
Sunvic	SZMV2326	Sunvic	SZMV2323
Sunvic	SZV2218	Sunvic	SZV2228
Danfoss	HP 1.0	Danfoss	HP 28
Danfoss	HP 1.0B	Danfoss	HP 28B
Honeywell	V4043H	Honeywell	V4043B or V4043
		Horstmann	Zoneplus Z228
3/4" BSP Valve		Siemens	CVZ 28
Sunvic		Drayton	ZA6/779
Sunvic		Salus	SBMV 28
Danfoss			
Danfoss			
Danfoss			
Honeywell			
		22mm Valve	
		Sunvic	SZMV2305
		Sunvic	SZV2212
		Danfoss	HP 22
1/2" BSP Valve		Danfoss	HP 22B
Sunvic	SZMV2324	Danfoss	HP 22B
Sunvic	SZV2288	Honeywell	V4043H1056
Honeywell	V4043C	Horstmann	Zoneplus Z222
		Siemens	CVZ 22
		Drayton	ZA 5/679
		Salus	SBMV 22

2-Port EcoSmart specification

Power supply	230V, 50Hz
Electrical connection	1.0m flying lead, 4 core heat resistant cable
Auxiliary switch rating	3(1.3)A, 230V, 50Hz
Ambient temperature rating	T 52
Maximum water temperature	93°C
Maximum differential pressure	1.06 bar
Maximum static pressure	10.5 bar
Flow direction	Bi-directional

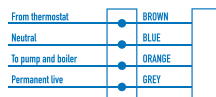
3-Port EcoSmart mid-position compatibility

1" BSP Valve		22mm Valve	
Sunvic	SDMV2321	Sunvic	SDMV2304
Sunvic	SDV2296	Sunvic	SDV2211
Danfoss	HS3B1.0	Danfoss	HS3
Honeywell	V4073A1062	Danfoss	HS3B
		Honeywell	V4073A1039
28mm Valve		Siemens	CMV 22
Sunvic	SDMV2320	Drayton	MA1/679
Sunvic	SDV2294	Salus	SBMV 32
Danfoss	HS3B28	Horstmann	Zoneplus Z322
Siemens	CMV28		
Salus	SBMV 38		
Honeywell	V4073A1088		

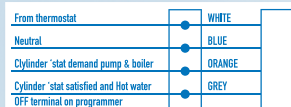
3-Port EcoSmart specification

Power supply	230V 50Hz
Electrical connection	1.0m flying lead, 4 core heat resistant cable
Auxiliary switch rating	3(1.3)A 230V 50Hz
Ambient temperature rating	T 52
Maximum water temperature	93°C
Maximum differential pressure	1.06 bar
Maximum static pressure	10.5 bar
Flow direction	Uni-directional

2-Port EcoSmart valve wiring



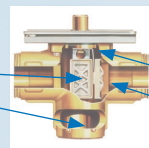
3-Port EcoSmart mid-position valve wiring



Advanced "slipseal" technology

Self-cleaning rubber seal ensures good shut-off

Driven by a stainless steel leaf spring with no bulky spindle to reduce water flow and cause turbulence



Clear unimpeded water flow as no ball or paddle

Unique patented ramp feature moves rubber seal away from valve chamber wall to allow self-cleaning

VALVE			DIMENSIONS										
TYPE	PORT	Kv	A	B	C	D	E	F	G	H	J	K	
15mm INT COMP.	2	4.8	107			88							
22mm EXT COMP.	2	8.9	114			112							
28mm EXT COMP.	2	23.1	120			124							
1/2" BSP	2	4.8	107										
3/4" BSP	2	8.9	114										
1" BSP	2	23.1	120										
22mm EXT COMP.	3	10.9 MID				82			112		56		
28mm EXT COMP.	3	5.7 A/B				86			124		60		
1" BSP	3					76			100		48	60	