

Zone Guardian Residential



Sale Engineering Products is excited to be able to supplement its existing ZONE GUARDIAN range with three sizes in two materials, for residential (or other small bore pipe) applications.

The residential ZONE GUARDIAN is a device which allows the testing of a fire sprinkler system's waterflow detector (flow switch) to be carried out remotely, saving both time and cost for end-users and maintenance contractors.

The unit ensures zero wastage of water by the use of an artificial water flow created using a high-efficiency self-venting circulator pump manufactured by a global supplier.

The assembly is available in either **steel** or **CPVC** pipe sizes of 1"/25mm, 1¼"/32mm and 1½"/40mm and includes – as well as the circulator pump – a Potter VSR vane-type flow switch with adjustable retard, and ball valves for pump isolation.

The unit may be installed horizontally (with flow switch on top) or vertically (with upward flow).

An electronic key-operated test module is included to allow testing of both the local and any interconnected waterflow detectors.

We are confident that our new residential ZONE GUARDIAN, backed up by SEP's history of providing quality products to the market will prove as popular as our standard ZONE GUARDIAN.

ZONE GUARDIAN is stocked by and available through our exclusive distributor, Zeffire Ltd, as well as directly from SEP.



Continued overleaf

Specification:

Pressure rating: 12 bar (175psi)

Pipe sizes: 1"/25mm, 1¼"/32mm, 1½"/40mm

Flow switch (Potter VSR-S or VSR-SG):

Trigger flow rate: 38lpm with up to 30s retard

Enclosure rating: IP54

Contact rating: 10A @ 125/250VAC; 10mA @ 24VDC

Circulator Pump:

Voltage: 230VAC 50Hz

Power: 60W max

Current: 0.58A max

Test module:

Surface-mounted, key-operated multi-function (see photo at right)

Voltage in: 230VAC 50Hz

Voltage out: 230VAC 50Hz (local) or 24VDC (interconnect)

LEDs: Green: power/standby; Amber: test in progress; Red: flow switch active

IP rating: 56



Dimensions & Weights

Material	Pipe NB (mm)	Pipe NB (in)	L (Pipe Ends) (mm)	W (Pipe-Pump) (mm)	H (Pipe-Switch) (mm)	Net Weight (kg)
Steel	25	1	393	185	170	6.0
Steel	32	1¼	398	195	177	6.4
Steel	40	1½	402	200	185	6.7
CPVC	25	1	418	247	185	5.0
CPVC	32	1¼	418	261	190	5.2
CPVC	40	1½	428	266	204	5.5