

Data Sheet

ZCV-DS-12/25-6

OVERVIEW

Zonecheck-V is a compact, factory-built and fully pre-wired Zonecheck assembly designed to transform sprinkler zone installation and commissioning. By combining a Zonecheck test loop with a monitored butterfly-valve and supplying every component pre-wired with simple plug-and-play connectors removes the need for complex on-site wiring and cuts out multiple trades traditionally required during setup. The unit enables rapid, compliant flow-switch testing without discharging water, reducing installation time, labour and disruption while delivering long-term sustainability benefits and full compliance with BS EN 12845. The result is a faster, safer and more efficient way to install and commission sprinkler zones.



Specification

ZONECHECK

Working pressure rating	Water, 12 bar (175 psi) max
Operating temp range	0°C - 49°C (32°F - 120°F)
Pipe diameter	50/65/80/100/150/200mm (2-8")
Approvals	LPCB, UL, FM and VdS
IP rated	IP54

KEY-SWITCH

Voltage	230v 50Hz
Internal consumption	7.5W max
Amps	0.88A
LED indication	Pump running
	Flow-switch activated
	Valve fault

Max key-switch group size	25
Max group cable length	300m
Product code (Order No.)	ZCKYSE
Spare key set (Order No.)	ZC-ALKK

FLOW-SWITCH

Type	Potter VSR-EU
Contact rating	10A@125/250VAC
	2.0A@30VDC
IP rating	IP54
Time delay	0-30s

PUMP

Type	Wilo Para
Operating voltage	230v 50Hz
Amps	0.82A
Max power rating	75W
IP Rating	IPX4D

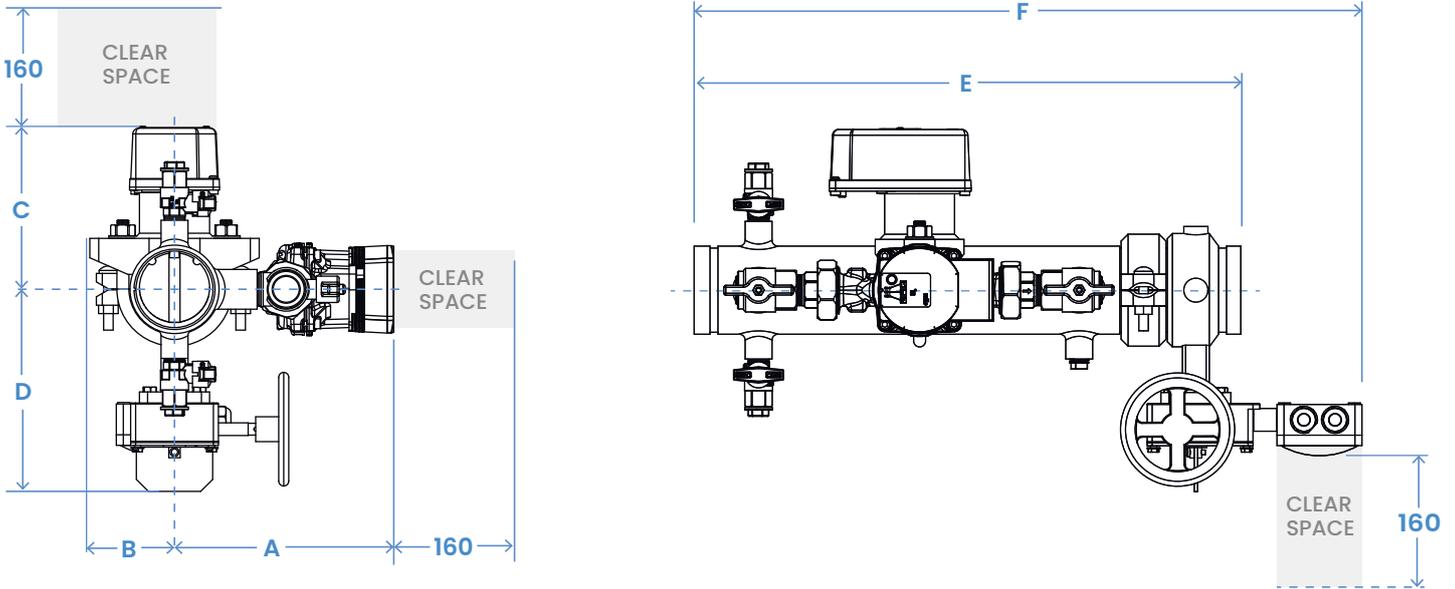
ZONE-VALVE

Model	Victaulic Firelock 705
Type	Supervised
Approvals	LPCB, UL, FM and VdS

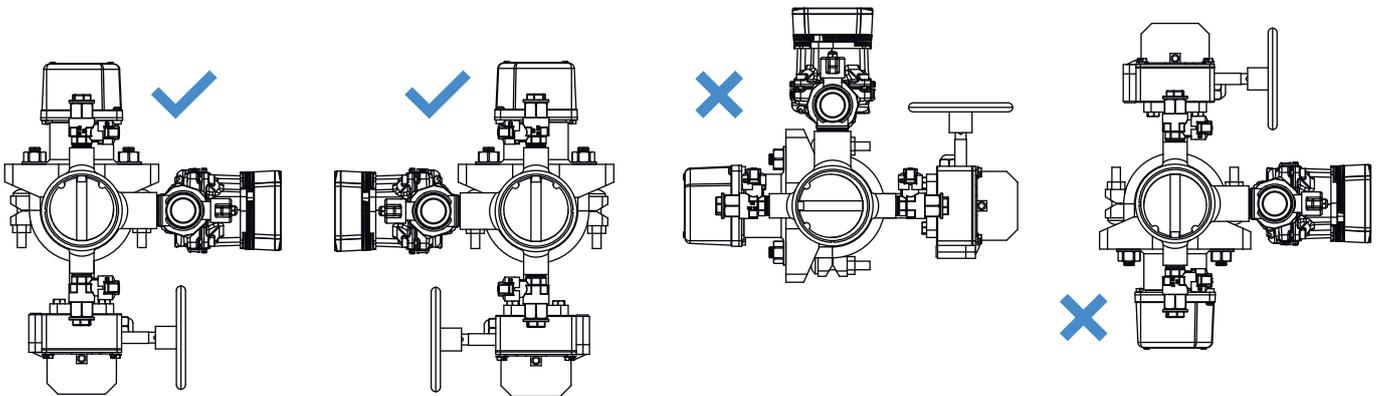
Dimensions

PART CODE	ØIN	ØMM	A	B	C	D	E	F
ZCV-50	2"	50	210	70	150	170	560	680
ZCV-65	2½"	65	215	75	155	200	550	675
ZCV-80	3"	80	220	85	165	205	550	670
ZCV-100	4"	100	220	100	170	225	570	670
ZCV-150	6"	150	250	125	200	275	605	705

*Please leave a minimum of 160mm above the face flow-switch and pump head for access and maintenance.



Orientation



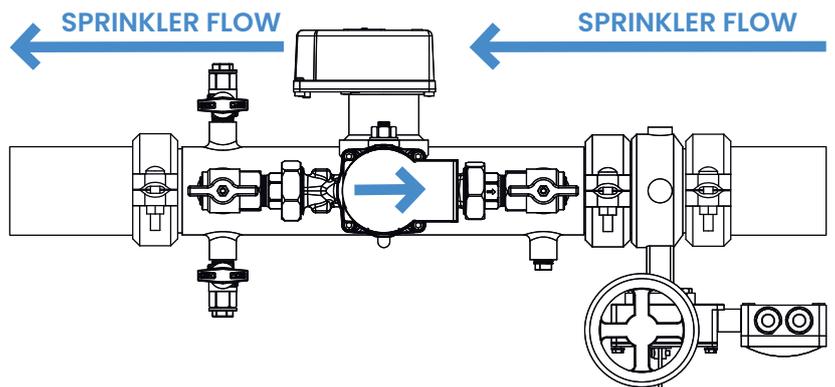
Installation Notes

Zonecheck can be installed both horizontally and vertically. Please check the directional arrows on the pump casting before installing. Pump flow should be opposite to the sprinkler systems flow.

When installing horizontally the flow-switch must face upwards and can not be installed facing sideways or below the pipe.

For Riser applications, make sure the pump flow runs opposite (downwards) to the sprinkler system.

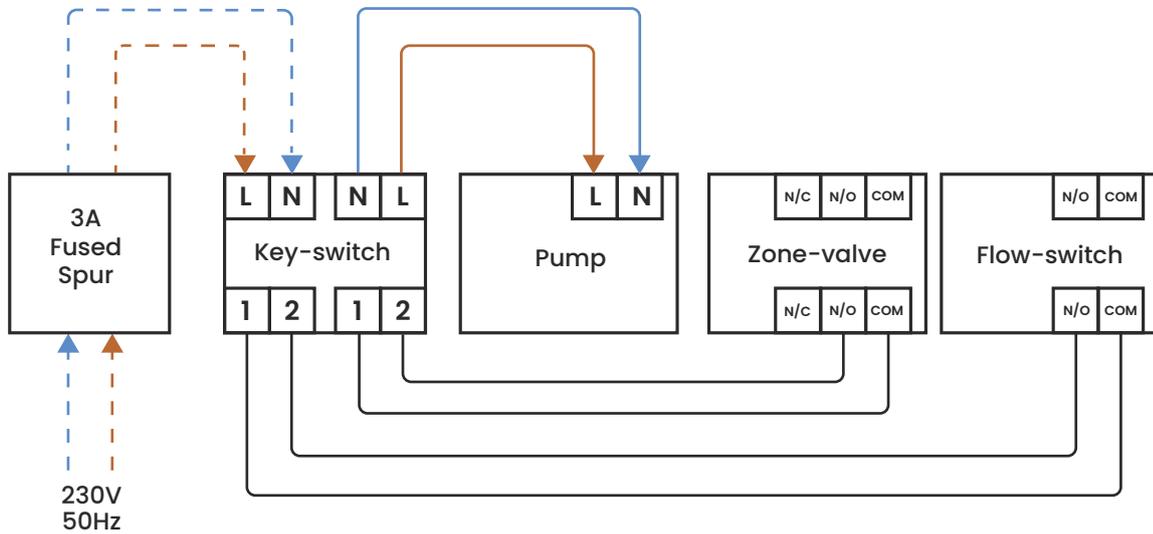
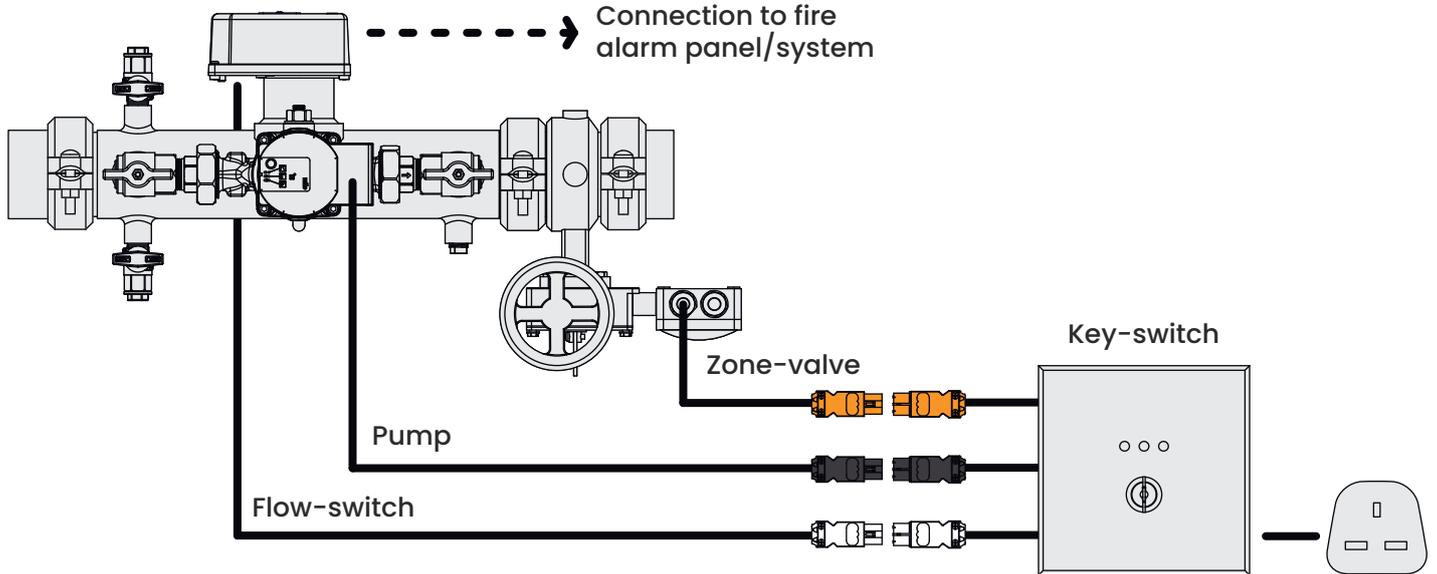
Left hand and right hand models are designed for when Zonecheck is installed along walls and space is limited.



Wiring

Typical fire-alarm/flow-switch connections. Exact wiring required depends on type of fire panel used. Refer to specific fire-alarm panel instructions for more information/guidance.

Resistors sized according to specific alarm-panel requirements.



Designed and manufactured in the UK by Project Fire Products Ltd.

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