

# Data Sheet

ZC-RESPF-ADD-DS-10/23-4

# Zonecheck

## Residential Addressable

## CPVC Void Full Bore

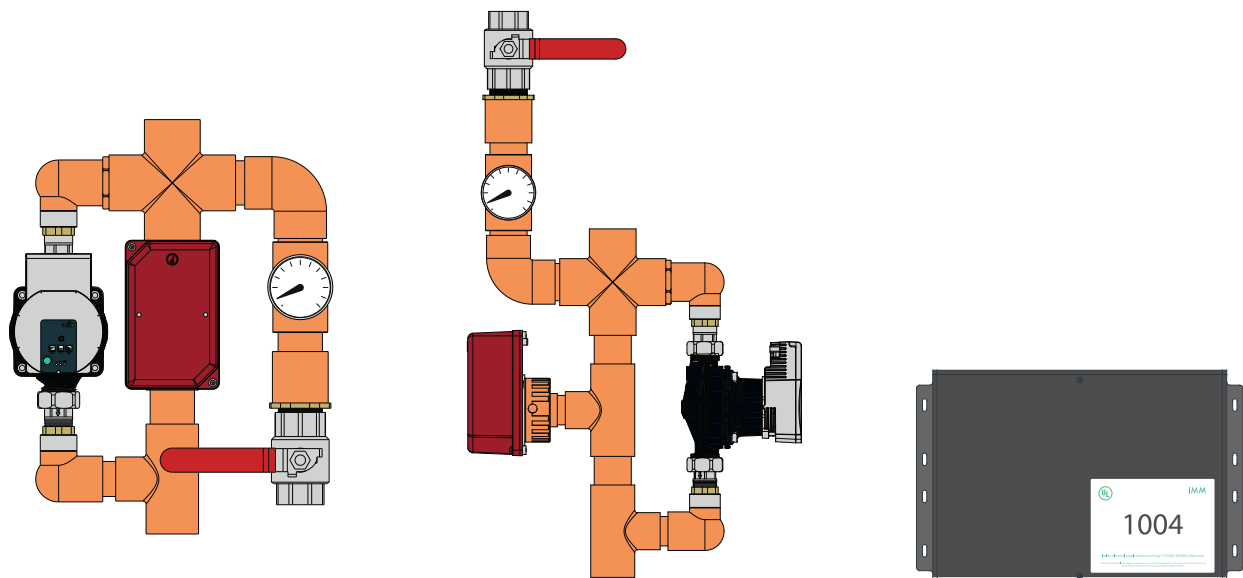
## CPVC Riser Full Bore

### OVERVIEW

Zonecheck is a remote flow-switch testing device. It works by using a closed loop system that re-circulates water to simulate a single sprinkler head operation and tests the flow-switch without discharging water. Zonecheck® Residential simplifies flow-switch testing for domestic and residential properties. Its compact design makes it ideal for apartments, homes and mixed use developments, its easy to install and allows testing to be performed at the flick of a switch. Further to this, each test is performed without wasting a drop of water. Tested by WarringtonFire, Ad-Hoc Test Report No. 409529.

Addressable versions of Zonecheck Residential are wired to a local IMM (intelligent monitoring module) which are in turn wired on a single loop to connect all IMM's to a single Zonecheck Addressable controller. This controller provides remote testing and monitoring of all Zonechecks and compatible isolation valves.

This version of Zonecheck Residential is designed to be used where a full flow test is required e.g. at the start of a sprinkler installation.



## Specification

ZONECHECK PUMP	
Voltage	230V 50Hz
IMAX	0.66 A
Max Power Rating	75 W Maximum
IP Rating	IPX4D
Cable Type (Supplied)	1.5m Flying Lead

FLOW-SWITCH	
Type	VSR-SG
Triggering Flow Rate	15-38 L/min (UL)
IP Rating	IP54
Contact Rating	10 A @125/250v AC; 2.0 Amps @30v DC

ZONECHECK RESIDENTIAL	
Max Pressure Rating	10 bar
Pipe Type	CPVC
Pipe Diameters Ø	25, 32, 40, 50 mm (1", 1¼", 1½", 2")
Pipe and Fittings	Spears Flame Guard

IMM	
Mains power supply	120-240 VAC 50/60 Hz-250w Max
Number of outputs	1
Type	Relay, Volt free, Single pole, Changeover/ switched mains for pump
Max voltage/ current	3A resistive, 230VAC, 30VDC, 0.35 power factor
Relay 1, Fire condition	
Switched mains for pumps	250VAC -3A

INPUTS & AUXILIARY INPUTS	
Mains power supply	110-230VAC 50/60 Hz
Flow-switch input	Monitors a flow switch
Monitored valve input	Monitors an external valve source

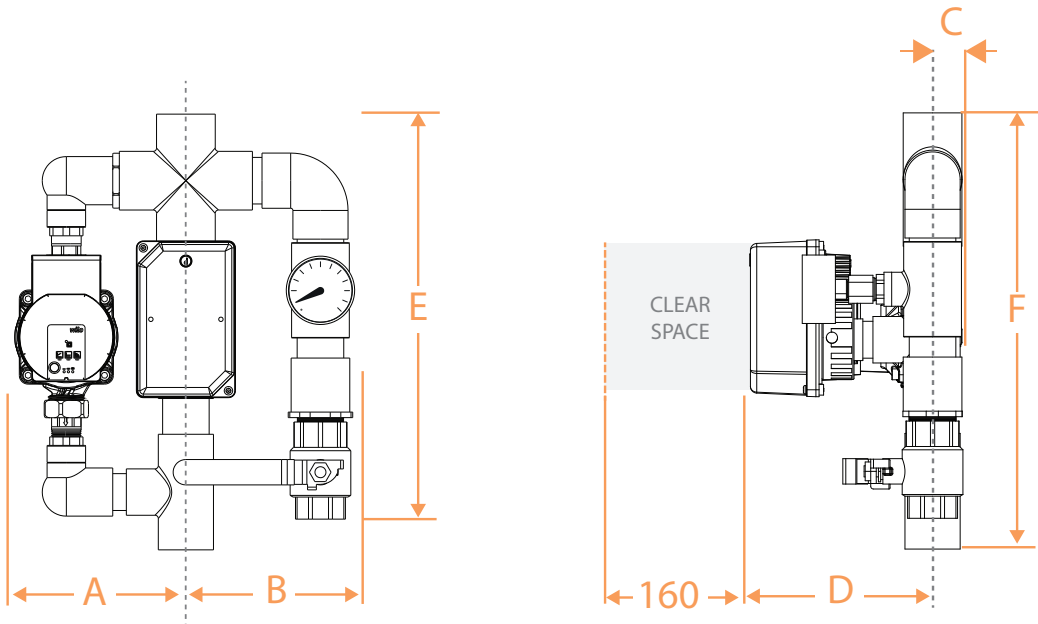
PHYSICAL DIMENSIONS	
Dimensions (WxHxD)	301 x 198 x 78mm
Weight	2Kg

# Dimensions

## (Riser)

PART CODE	IN	ØMM	A	B	C	D	E	F (MAX)
ZC-RESPR-25FB	1"	25	135	165	25	160	370	370
ZC-RESPR-32FB	1¼"	32	155	155	35	165	395	395
ZC-RESPR-40FB	1½"	40	165	175	35	170	405	405
ZC-RESPR-50FB	2"	50	175	220	45	170	420	465

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



Front View

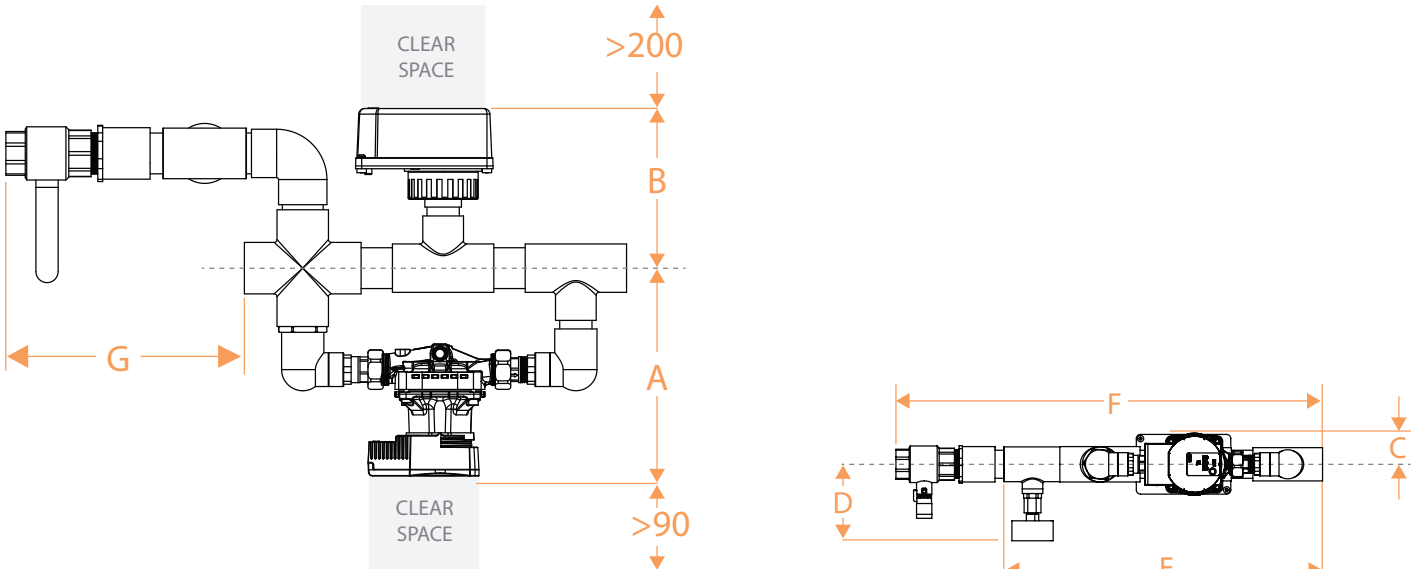
Side View

# Dimensions

## (Void)

PART CODE	IN	ØMM	A	B	C	D	E	F	G
ZC-RESPV-25	1"	25	200	160	50	110	370	615	245
ZC-RESPV-32	1¼"	32	215	165	50	115	395	645	250
ZC-RESPV-40	1½"	40	225	170	50	120	405	680	275
ZC-RESPV-50	2"	50	240	220	55	130	420	740	320

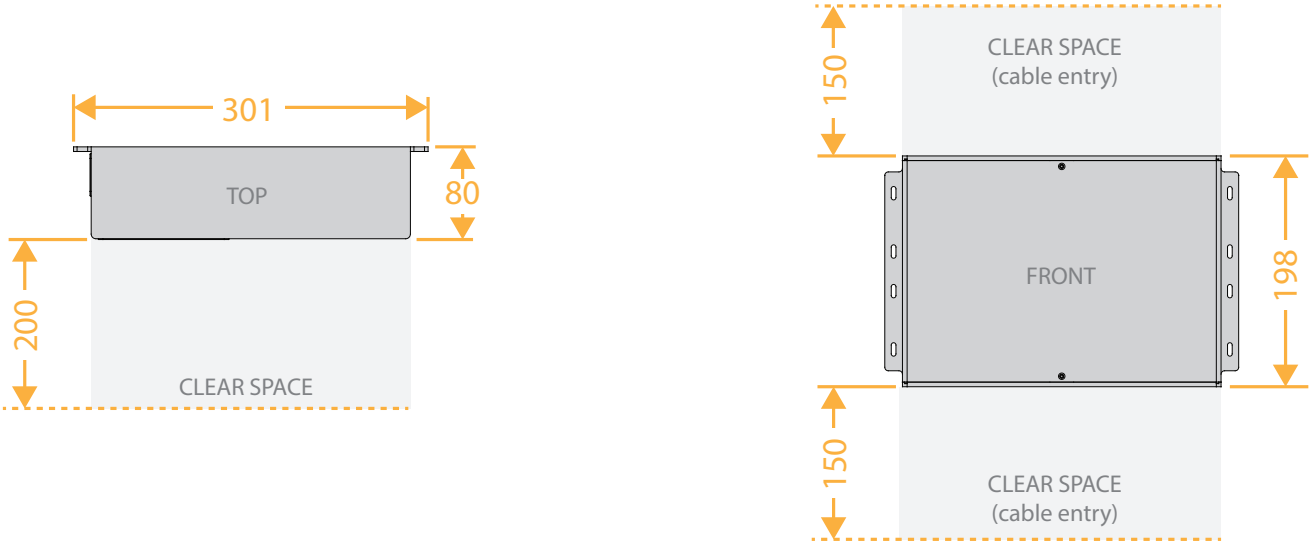
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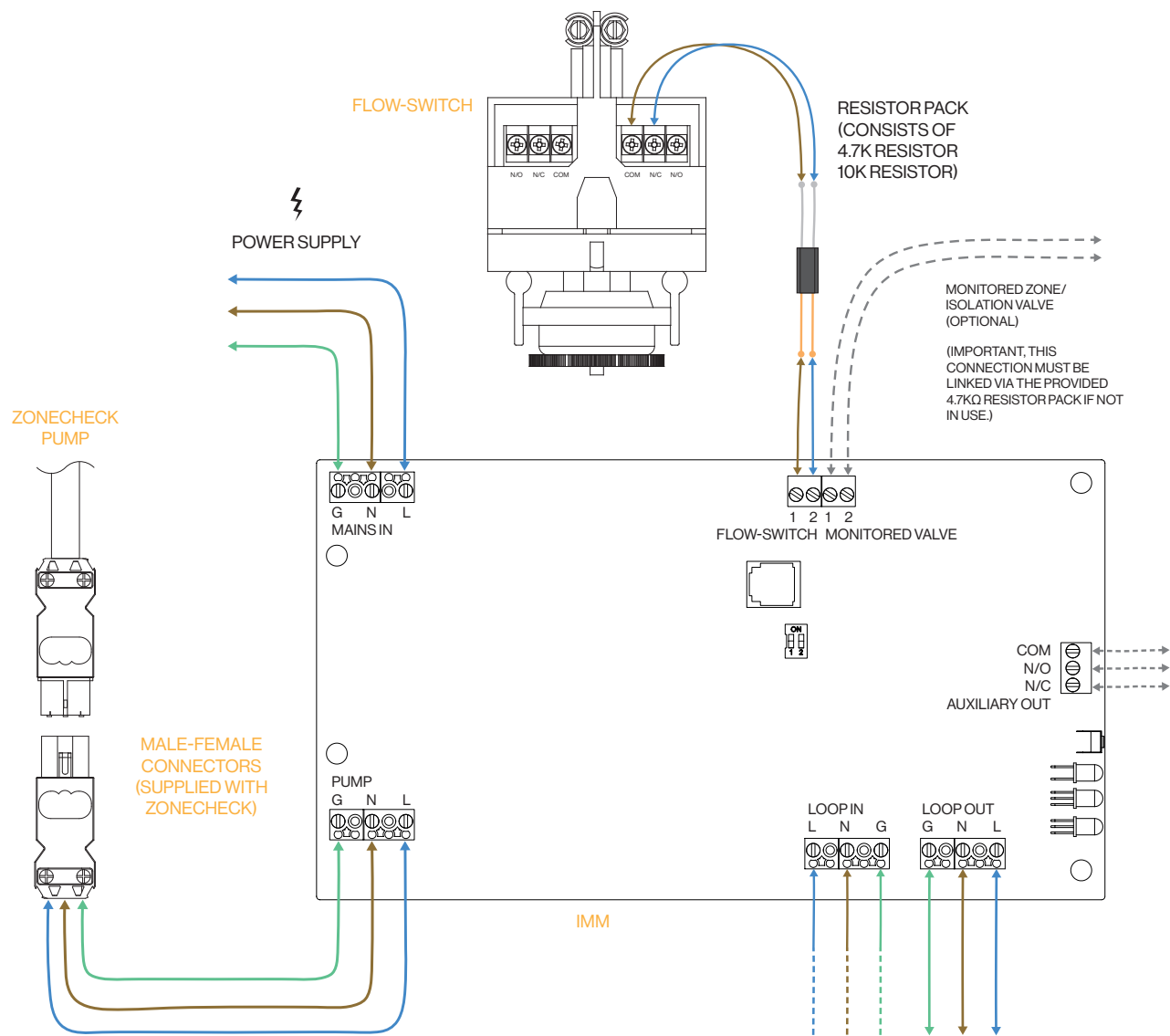
Plan View

Front View

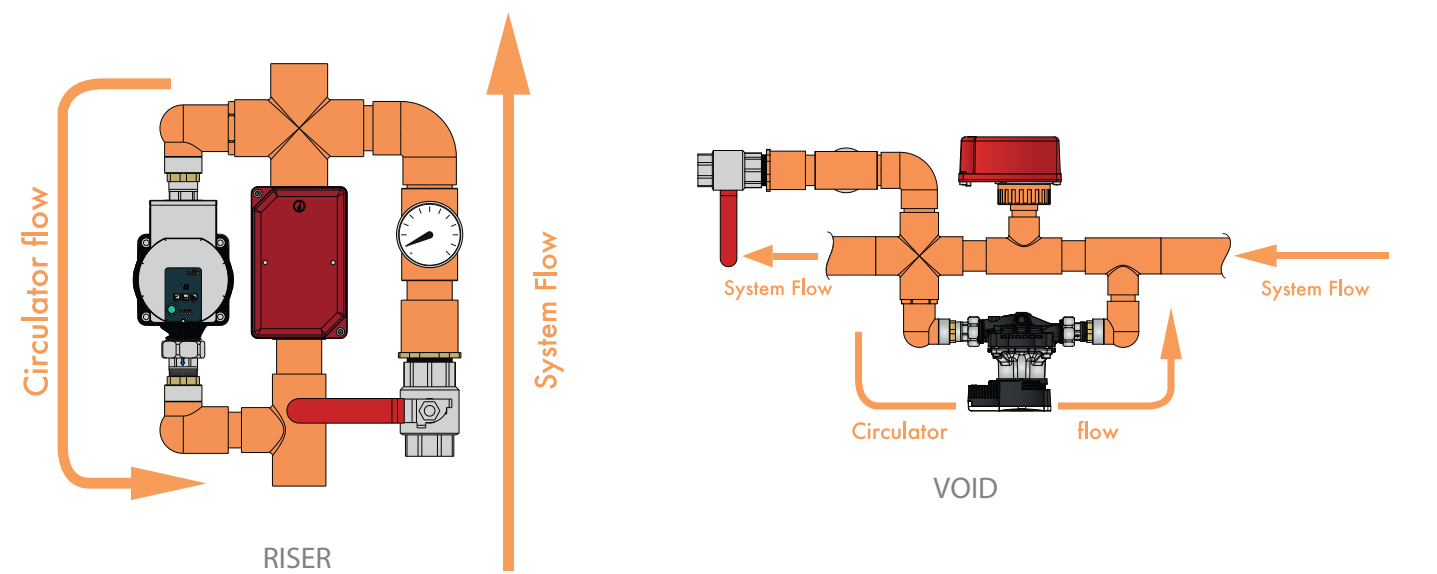
# IMM Dimensions



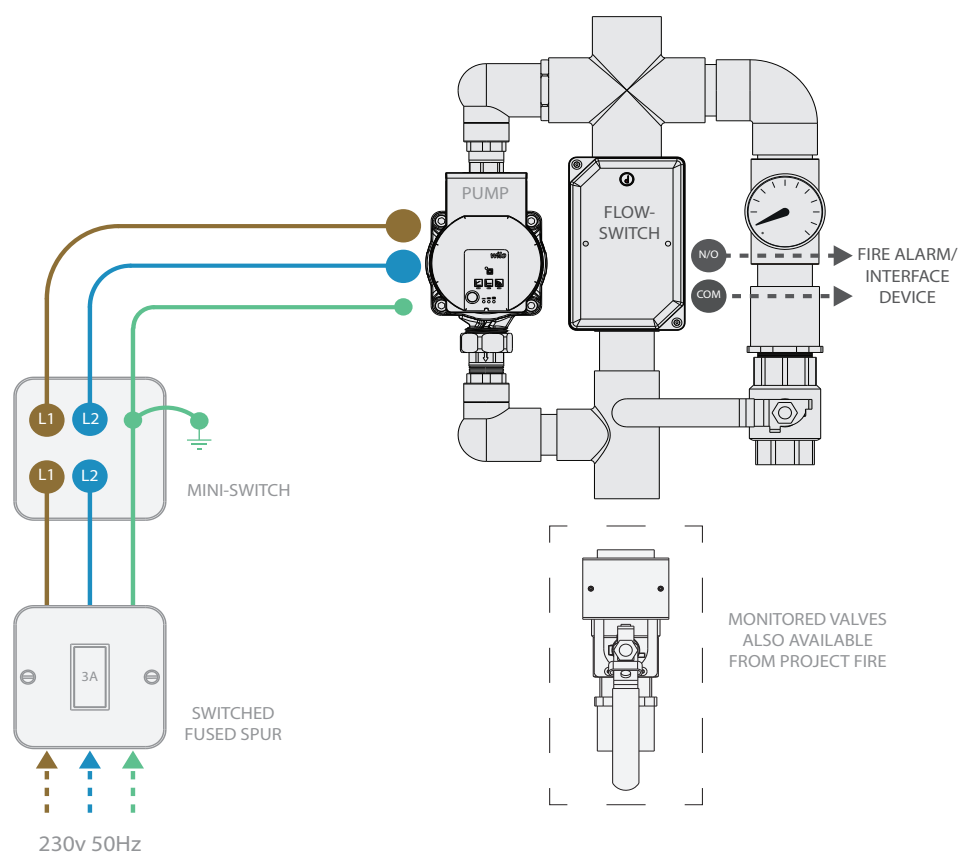
# IMM Wiring



# Orientation



# Wiring



- 100% water saving**
- Remote testing**
- No water discharge**
- Efficient**
- Simplified testing method**
- Code compliant**
- Sustainable testing**
- Flow-Switch Testing**
- UL Approved**
- Staightforward Commisioning**
- Fast Install**
- Full Sized Drain**

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

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