



ELECTRICAL CERTIFICATE OF COMPLIANCE & ELECTRICAL SAFETY CERTIFICATE

REFERENCE/CERTIFICATE ID NO.: 04197-4273 UV Valves

This form has been designed to be used by licensed electrical workers to certify that installations or Part installations under Part 1 or Part 2 of AS/NZS 3000 are safe to be connected to the specified system of electrical supply.



Location Details:

Maungakarama WTP UV Shed

Contact-Details: (Name and Address)

James Kennedy
WDC Water

Name of Electrical worker:

Brian Firth

Registration/Practising licence number:

I 090285

Phone & Email:

027 355 2248

Brian.firth@mckay.co.nz

Name & registration number of person(s) supervised:

Certificate of Compliance

Type of Work:



Additional



Alteration



New Work



Repair

The prescribed electrical work is:



Low Risk



General



High-risk (Specify)

Means of Compliance:



Part 1 of AS/NZS 3000



Part 2 of AS/NZS 3000

Additional Standards or electrical code of practice were required: Y/N ☒ (if Yes, Specify)

Date or Date Range that prescribed electrical was undertaken: 25/08/2026

Contains fittings that are safe to connect to a power supply? Y/N ☒

Specify type of supply system: MEN system - 230v

The installation has an earthing system that is correctly rated (where applicable) Y/N ☒

Parts of the installation to which this certificate relates that are safe to connect to a power supply?

☒ All ☒ Parts (Specify) 2 new circuits for UV valves

The work has been done in accordance with a certified design: Y/N ☒

If yes identify the certified design including name, date and version. Also attach a copy of the certified design to this certificate. (Or provide reference to readily accessible electronic format, eg Internet link.)

Identify:

Link:

The work relies on manufacturer's instructions: Y/N ☒

If yes identify the instruction manual including name, date and version. Also attach a copy of manufacturers instructions to this certificate. (Or provide reference to readily accessible electronic format, eg Internet link.)

Identify: <https://www.jarussell.co.nz/Compliance>

Link:

The work relies on a Supplier Declaration of Conformity (SDoC): Y/N ☒

If yes - identify the SDoC including name, date and version OR EESS registration. Also attach a copy of the SDoC to this certificate. (Or provide reference to readily accessible electronic format, eg Internet link.)

Identify: <https://www.jarussell.co.nz/Compliance>

Link:

The installation has been satisfactorily tested in accordance with the Electricity (Safety) Regulations 2010 Y/N ☒

Description of Work:

2x new circuits for 2 existing Rotork valves.

2x new C2 MCBs, 1.5mm circ TPS 2c+E, 25m.

Cable tray and underground duct.

Valve 2 had previous water ingress, hence low IR, which improved from 5 M-ohm to 45 M-ohm over night.

Test Results (Provide Values)

Polarity (Independent earth):	Correct
Insulation resistance:	45 M-Ohms
Earth continuity:	0.4 Ohms
Bonding:	N/A Ohms
Fault Loop impedance:	0.74 Ohms
PSCC	0.31 kA
Other (Specify)	

By signing this document, I certify that the completed prescribed electrical work to which this Certificate of Compliance applies has been done lawfully and safely, and the information in the certificate is correct.

Certifiers signature: *Brian Firth*

Date: 25/08/2026

Electrical Safety Certificate

By signing this document I certify that the installation, or part of the installation, to which this Electrical Safety Certificate applies is connected to a power supply and is safe to use.

Certifiers name:

Brian Firth

Registration/Practising licence number:

I 090285

Certifiers signature:

Brian Firth

Certificate Issue Date: 25/08/2026

Connection Date: 25/08/2026

CUSTOMER COPY - THIS IS AN IMPORTANT DOCUMENT AND SHOULD BE RETAINED FOR A MINIMUM OF 7 YEARS

This Electrical Safety Certificate also confirms that the electrical work complies with the building code for the purposes of Section 19(1)(e) of the Building Act 2004.