Klarify Whole House Systems

Class 1 designated building product information, published under the Building (Building Product Information Requirements) Regulations 2022.

(a) DESCRIPTION AND INTENDED USE

Product name: Aquano Klarify Whole House Water Filtration Systems

Other product names: Klarify R series (rainwater), Klarify M series (mains water), Klarify UV series (filtration with UV disinfection), and the Klarify Tradie Edition of each.

Description and intended use: Point-of-entry water treatment systems for homes on rainwater or mains supply. Each system has one to three jumbo filter housings (10" or 20") with replaceable cartridges, plumbed into the cold water supply where it enters the building. UV models add a stainless steel UV chamber that disinfects the water after filtration. The systems reduce sediment, chlorine, taste and odour; UV models also inactivate bacteria, viruses and protozoan cysts.

Tradie Edition models have the same assembly, components and pressure testing as the standard range. They are supplied without pressure gauges and weather protection covers.

Place of manufacture: Assembled and pressure tested in Cambridge, New Zealand, from imported components.

(b) PRODUCT IDENTIFIERS

All models: 1" BSP connections, 0–52 °C water temperature, 875 kPa maximum pressure.

R series – rainwater filtration (minimum pressure 200 kPa)

Model	Code	Stages	Housing	Max flow (L/min)	Cartridges supplied
Klarify R-110	AKR110	1	10" Jumbo	70	CIM10J
Klarify R-120	AKR120	1	20" Jumbo	120	CIM20J
Klarify R-210	AKR210	2	10" Jumbo	75	PC1020J, PS1001J
Klarify R-220	AKR220	2	20" Jumbo	120	PC2020J, PS2001J
Klarify R-310	AKR310	3	10" Jumbo	70	PC1010J, PS1001J, CIM10J
Klarify R-320	AKR320	3	20" Jumbo	120	PC2020J, PS2001J, CIM20J
Klarify Tradie Edition R-210	AKTER210	2	10" Jumbo	75	PC1020J, PS1001J
Klarify Tradie Edition R-220	AKTER220	2	20" Jumbo	120	PC2020J, PS2001J

M series – mains water filtration (minimum pressure 200 kPa)

Model	Code	Stages	Housing	Max flow (L/min)	Cartridges supplied
Klarify M-110	AKM110	1	10" Jumbo	30	AS1005J
Klarify M-120	AKM120	1	20" Jumbo	60	AS2005J
Klarify M-210	AKM210	2	10" Jumbo	30	PS1005J, CB1010J
Klarify M-220	AKM220	2	20" Jumbo	120	PS2005J, CB2010J
Klarify M-310	AKM310	3	10" Jumbo	70	PS1001J, PGC2010J, GAC1010J
Klarify M-320	AKM320	3	20" Jumbo	120	PS2001J, PGC20J, GAC2010J
Klarify Tradie Edition M-210	AKTEM210	2	10" Jumbo	30	PS1005J, CB1010J
Klarify Tradie Edition M-220	AKTEM220	2	20" Jumbo	120	PS2005J, CB2010J

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UV series – filtration with UV disinfection (minimum pressure 300 kPa; C = outdoor, I = indoor)

Model	Code	Stages	Housing	Max flow (L/min)	Cartridges supplied
Klarify UV-210C / UV-210I	UV210C / UV210I	2 + UV	10" Jumbo	70	PC1020J, PS1001J
Klarify UV-220C / UV-220I	UV220C / UV220I	2 + UV	20" Jumbo	120	PC2020J, PS2001J
Klarify UV-310C / UV-310I	UV310C / UV310I	3 + UV	10" Jumbo	70	PC1010J, PS1001J, C1M10J
Klarify UV-320C / UV-320I	UV320C / UV320I	3 + UV	20" Jumbo	120	PC2010J, PS2001J, C1M20J
Klarify Tradie Edition UV-210C / UV-210I	TEUV210C / TEUV210I	2 + UV	10" Jumbo	70	PC1020J, PS1001J
Klarify Tradie Edition UV-220C / UV-220I	TEUV220C / TEUV220I	2 + UV	20" Jumbo	120	PC2020J, PS2001J

UV lamp: 46 W, 520 mm (UVL46W), in a 540 mm quartz sleeve, 240 V / 50 Hz, with countdown ballast.

(c) MANUFACTURER

Aquano Limited assembles these systems in New Zealand and is the responsible manufacturer. Components are imported and are not supplied separately under this sheet.

Legal name	Aquano Limited
Trading name	Aquano
NZBN	9429052121272
Address for service	Unit 4, 87 Hautapu Road, Hautapu, Cambridge 3493, New Zealand
Website	aquano.co.nz
Email	sales@aquano.co.nz
Phone	0800 225 700

Importer: Not applicable. Aquano Limited imports the components and manufactures the finished systems in New Zealand.

(d) BUILDING CODE COMPLIANCE

Clause	Requirement	How Klarify systems contribute
G12.3.1	Water for human consumption must be potable	UV models disinfect rainwater, reducing bacteria, viruses and protozoan cysts. Filtration reduces sediment, taste and odour (G12.1(c)(ii))
G12.3.2(c)	Components must not contaminate the water	Wetted components are made of materials specified by Aquano for drinking water contact
G12.3.7(b)	Avoid the likelihood of leakage	Every system is pressure tested before dispatch. Rated to 875 kPa maximum
G12.3.7(c)	Reasonable access to components needing maintenance	Cartridges, UV lamp and quartz sleeve can be replaced from the front without removing the system
B2.3.1(c)	Durability of 5 years for elements that are easy to access and replace	Housings, UV chamber and fittings are designed for a service life of at least 5 years with normal maintenance

Compliance statement: Klarify systems are intended to contribute to compliance with the clauses above when installed by a licensed plumber in accordance with Acceptable Solution G12/AS1 and the Klarify User Manual (Building Act 2004, section 19(1)(b)).

Performance basis:

- Pressure: each system is pressure tested in Cambridge before dispatch.
- Materials in contact with water: specified by Aquano as suitable for drinking water contact. Supplier documentation is available to MBIE on request, and confirmed certifications will be added to this sheet.
- UV disinfection: stainless steel UV chamber with a 46 W lamp, sized for the system's rated flow at 75% UV transmittance or better.
- Physical properties: see the product identifier tables in section (b).

(d) LIMITATIONS ON USE

- Point-of-entry treatment only: the system treats water passing through it. It does not treat water already in pipes downstream, or in tanks upstream.
- Cold water only, 0–52 °C. Protect from freezing.
- Operating pressure: 200–875 kPa (R and M series), 300–875 kPa (UV series). Fit a pressure-limiting valve where supply pressure can exceed 875 kPa.
- Do not exceed the maximum flow rate for the model. UV models only disinfect within their rated flow.
- R and M series do not disinfect water. Rainwater for drinking needs a UV model or another approved disinfection method.
- UV models need water with UV transmittance of at least 75%, and low iron, manganese and hardness. Water outside these limits needs pre-treatment.
- Not designed to remove dissolved salts, nitrates, fluoride, heavy metals or chemical contamination unless stated for a specific cartridge.
- C models are for outdoor installation; I models are for indoor installation.

(e) DESIGN REQUIREMENTS

- Select the model on the property's peak flow demand, usually set by the pump.
- Install after the pump and pressure tank on rainwater supplies.
- Provide isolation valves on the inlet and outlet, and a bypass if water must stay on during servicing.
- Allow clearance below the housings to remove cartridges, and at the end of the UV chamber to remove the lamp and sleeve.
- UV models need a permanent, non-switched 240 V power supply, installed by a licensed electrician where required.
- Backflow prevention: where required by G12/AS1 for the site, fit a backflow prevention device. One is not supplied with the system.

(f) INSTALLATION REQUIREMENTS

Install by a licensed plumber in accordance with G12/AS1 and the Klarify User Manual. Key points:

- Mount vertically on a solid surface, with the flow direction matching the arrows on the head.
- Use thread tape on the 1" BSP connections. Do not use liquid sealants or overtighten.
- Flush new cartridges to waste before first use.
- UV models: fit the quartz sleeve and lamp, connect the ballast to a non-switched outlet, and disinfect the pipework downstream on first install.

(g) MAINTENANCE REQUIREMENTS

How often	Task
Every 3–6 months, or when pressure drops	Replace or clean sediment cartridges (pleated cartridges are washable)
Every 6–12 months	Replace carbon cartridges
Every 12 months	Replace the UV lamp (the countdown ballast shows when it's due)
Every 12 months	Clean the quartz sleeve; replace O-rings when servicing
After a lamp failure or when the system has been off	Disinfect the pipework downstream of the UV

Use genuine Aquano replacement cartridges and parts. Full instructions are in the Klarify User Manual.

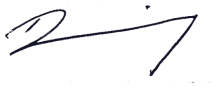
(h) WARNINGS AND BANS

These products are not subject to a warning or ban under section 26 of the Building Act 2004.

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DECLARATION

This information is correct to the best of my knowledge, based on information from our component suppliers and Aquano's own assembly and testing processes.

Name	Daniel Edward Suckling
Position	Director, Aquano Limited
Signature	
Version	1.0
Date	5 November 2026