TRU-BLU K9000®

K9000 2.0, K9000, K9L & Groom Easy Layout Information and Specifications

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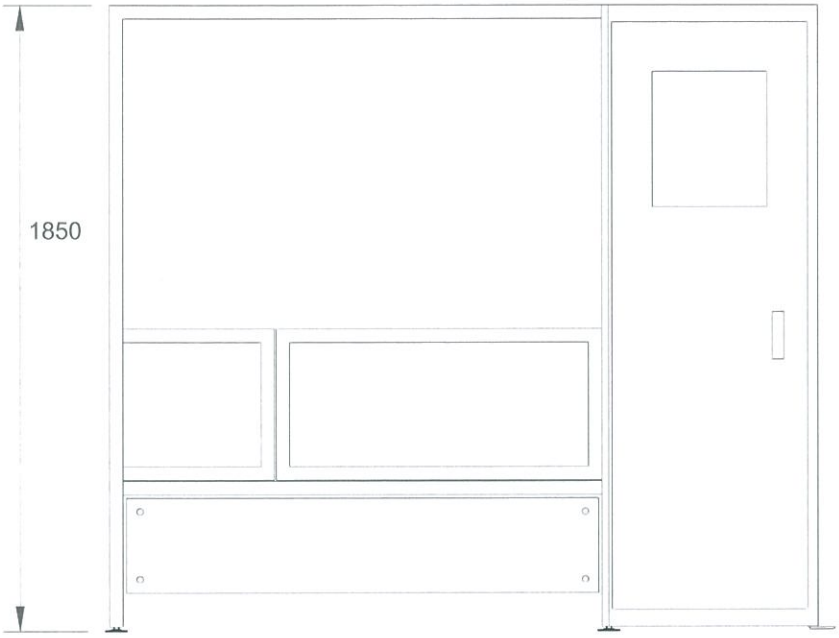
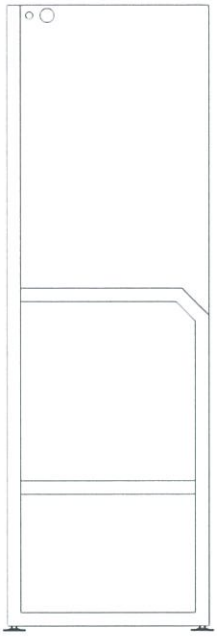
1.1 Specifications

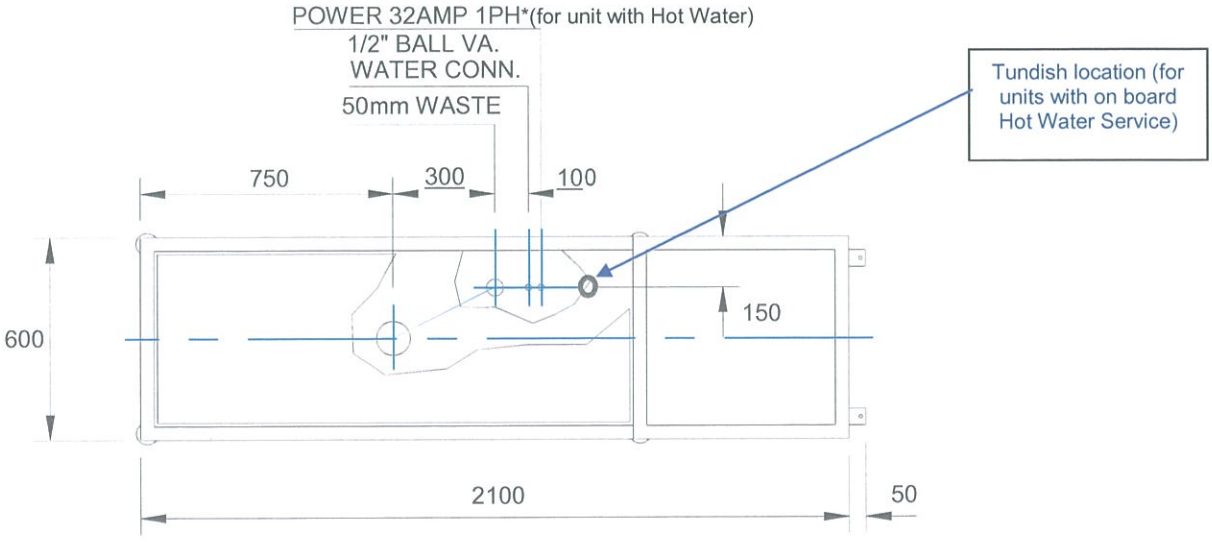


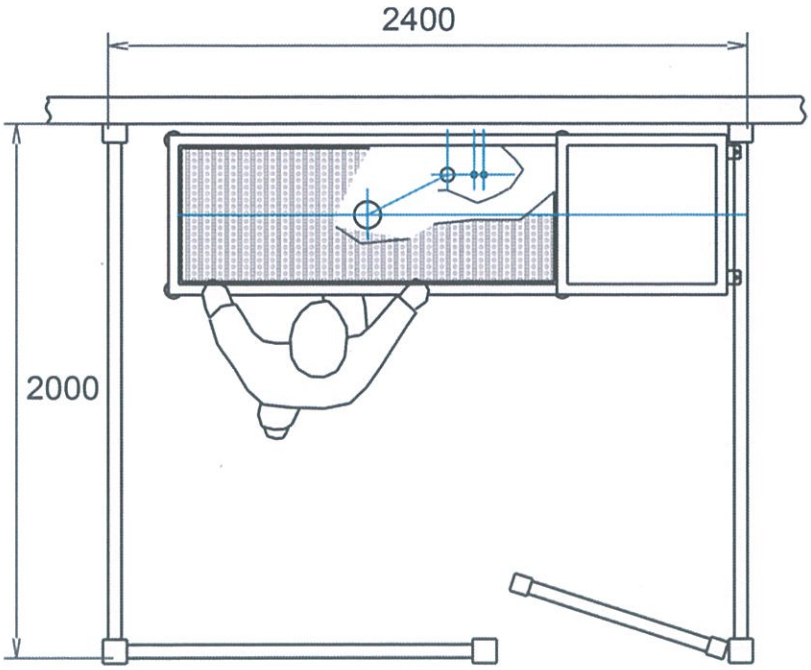
Front View

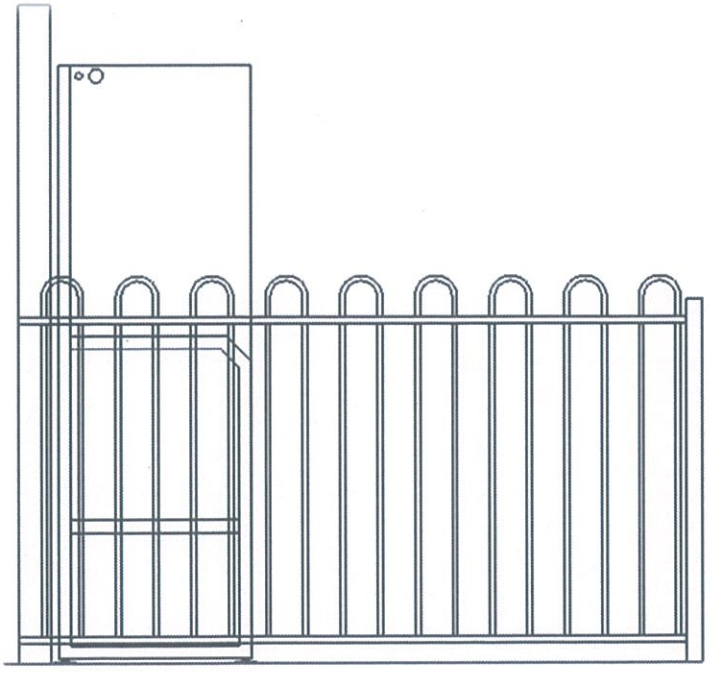


Side View

1.2 Plan







2 System Specifications

SYSTEM WITHOUT ON BOARD HOT WATER UNIT		
Power	240V	15 AMP (with heated dryer)
Power	240V	10 AMP (without heated dryer)
WATER Inlet Pressure (Min) 40psi / 275kpa	Hot	½" Ball valve
	Cold	½" Ball valve
WATER Inlet Pressure (Max) 72psi / 500kpa	Hot	½" Ball valve
	Cold	½" Ball valve
COLD WATER Inlet temperature	Minimum	5 Degrees Celsius
	Maximum	30 Degrees Celsius
HOT WATER Inlet temperature	Minimum	55 Degrees Celsius
	Maximum	65 Degrees Celsius
Factory Set water temperature	35 Degrees Celsius at wash gun	
WATER Maximum Operating Pressure 50psi / 350kpa	Factory set via water regulator	
FILTRATION	Primary	Stainless steel mesh filter
	Secondary	Vinidex DBA Lic. No. WMKA20071
Back Flow Prevention Device	Connections to be protected by a "high hazard" backflow prevention device. i.e. "RPZ" or Registered "Air-GAP" Recommended Watts 009M3-AUS RP 15 or 20mm AS2845.1 Lic WMKA1335	
WASTE	50mm DIA Outlet as well as, a minor trade waste application to be made to the local water regulator (Contact your local water authority trade waste division)	
SYSTEM WITH ON BOARD HOT WATER UNIT		
Power Hot Water Tank	240V	32 AMP (with hot water storage tank)
Power Instant Hot Water	240V	40 AMP (with instant electric hot water service)
WATER Inlet Pressure (Min) 40psi / 275kpa	Cold	½" Ball valve
WATER Inlet Pressure (Max) 72psi / 500kpa	Cold	½" Ball valve
COLD WATER Inlet temperature	Minimum	5 Degrees Celsius
	Maximum	30 Degrees Celsius
Factory Set water temperature	35 Degrees Celsius at wash gun	
WATER Maximum Operating Pressure 50psi / 350kpa	Factory set via water regulator	
FILTRATION	Primary	Stainless steel mesh filter
	Secondary	Vinidex DBA Lic. No. WMKA20071
Back Flow Prevention Device	Connections to be protected by a "high hazard" backflow prevention device. i.e. "RPZ" or Registered "Air-GAP" Recommended Watts 009M3-AUS RP 15 or 20mm AS2845.1 Lic WMKA1335	
WASTE	50mm DIA Outlet as well as, a minor trade waste application to be made to the local water regulator (Contact your local water authority trade waste division)	
Tundish	Required for hot water relief pipe (storage tank system only)	
DIMENSIONS / WEIGHT		
Dimensions	Length 2150mm / Height 1850mm / Depth 600mm	
Weight	K9000 2.0 & K9000 - 285kg	K9L & Groom Easy - 225kg
APPROVALS		
Risk assessment performed by IAPMO (NATA accredited laboratory)		
CE conformity with the following European Union Directives: EMC Directive 2004/108/EC & Low Voltage Directive 2006/95/EC		
IEC 61000-6-3:2006 Electromagnetic compatibility (EMC) – Part 6.3: Generic standards – Emission standard for residential, commercial and light-industrial environments		
AS/NZS 60335.2.75:2005 + Admt 2009 in relation to vending machines AS 60204.1:2005 'Safety of machinery – Electrical equipment of machines, General Requirements'		
IEC 61000-6-1: 2005 Electromagnetic compatibility (EMC) Generic standards. Immunity for residential, commercial and light-industrial environments.		
ATS 5200.101:2005 – Strength of Assembly		
EPA Registered Noise tested rating of 66dba @ 4 meters		
USAGES		
Water usage: 8 to 12 litres per minute (40-60 litres per single dog wash)		
Average power usage per wash cycle is .76kwh (dependent on hot water source)		

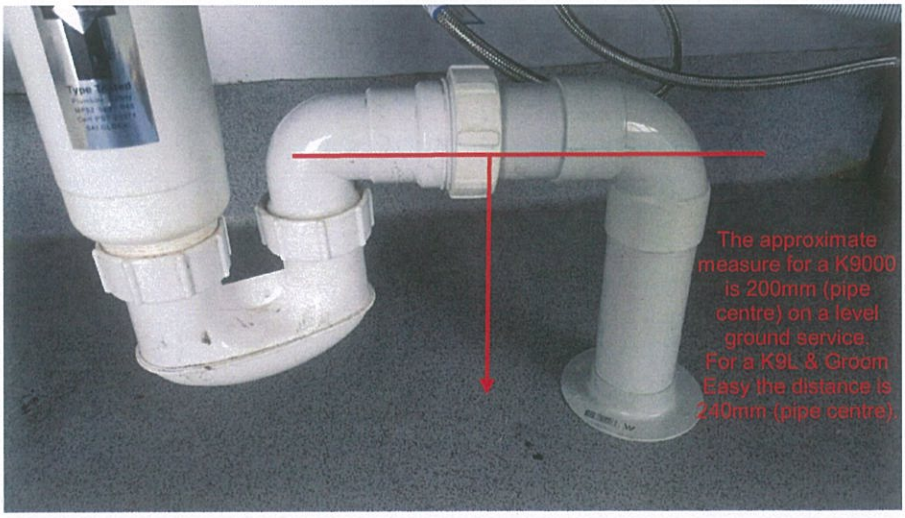
3 Waste

3.1 Existing Sites

Shown below is a K9000 that has been installed into an existing room. The 50 mm connection points were run through the back wall to the existing waste point. Other possibilities are to run the 50mm connection points along the walls to an existing waste point.

3.2 New Sites

Shown below is a K9000 that has been installed at a new site were the site has allowed for the waste point as part of construction. Note, new sites may also utilise external waste points, and run the connection through or along the wall.



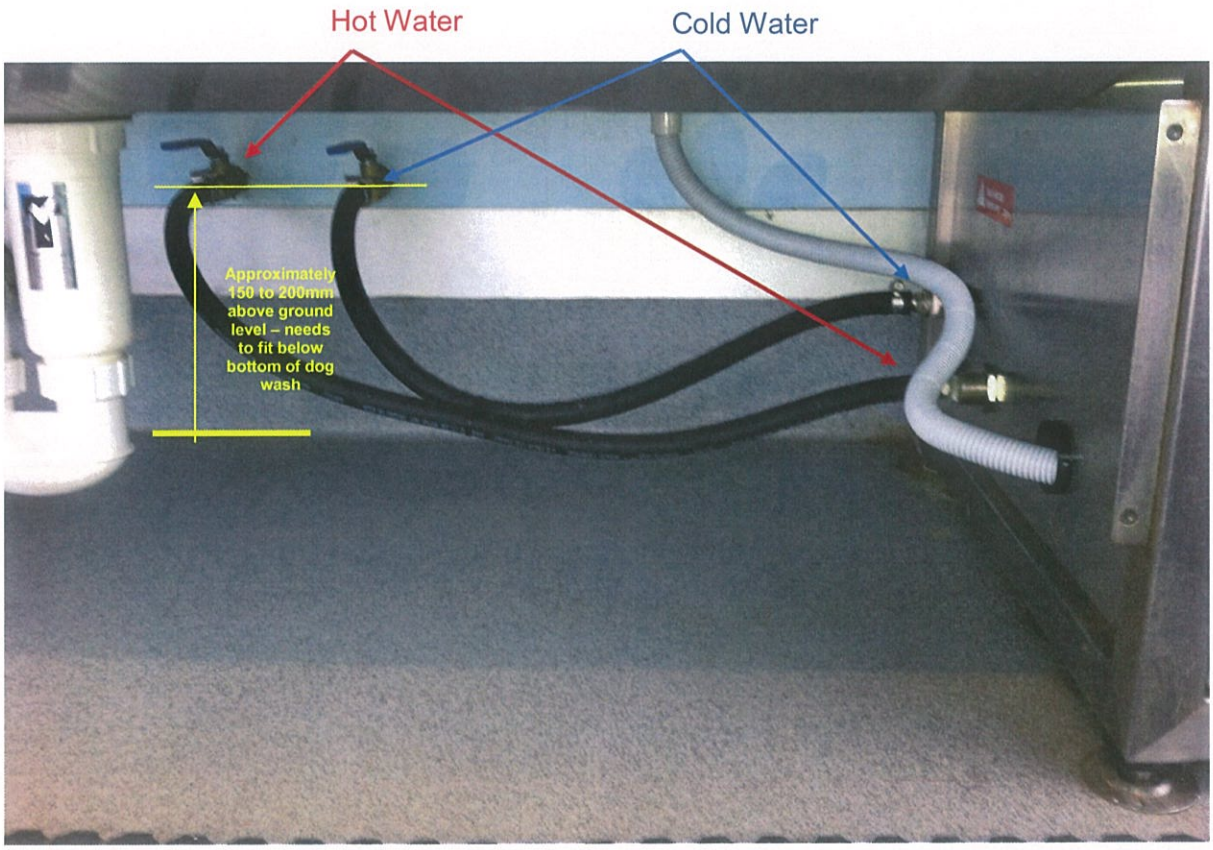
4 Hot Water

Hot water can be sourced from the site or the dog wash can include an on-board hot water service.

Important Should you choose not to have an onboard hot water system, it is strongly recommended a dedicated hot water system be used as your existing hot water system may, or may not be suitable for the dog wash. Tru Blu are only too happy to consult with you in assessing your current hot water system to ensure the dog wash will operate at its maximum efficiency.

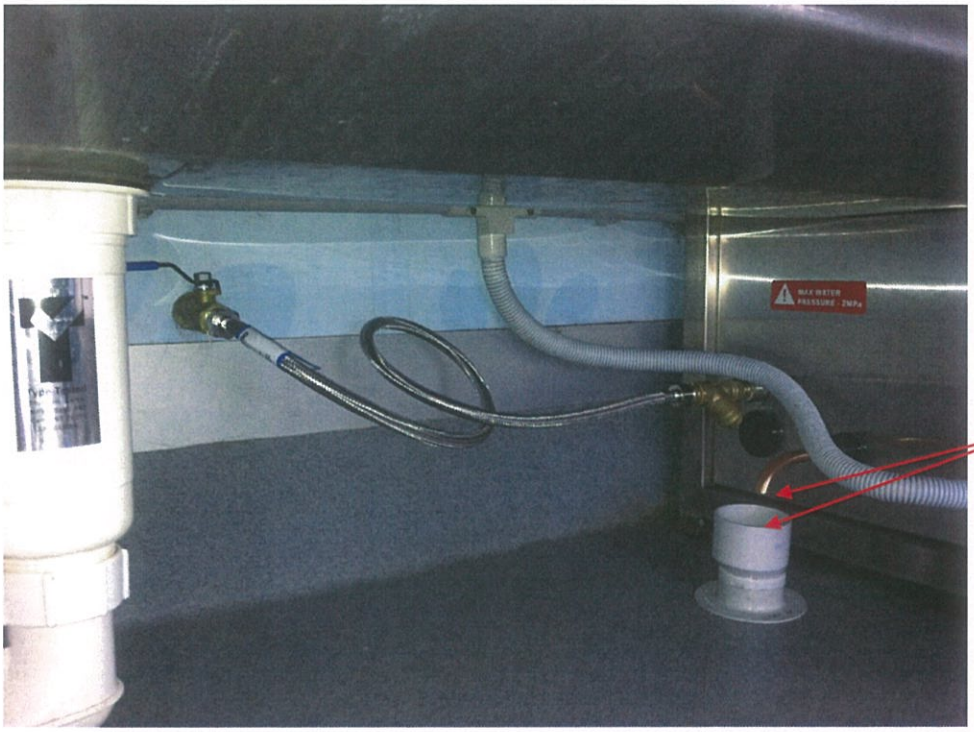
4.1 Site Supplied Hot Water

Shown below is a K9000 that was installed at a site that supplied HOT water, and as such the unit did not require to have an on-board hot water service.
**Please consult with Tru Blu Dog Wash to ensure your existing hot water supply is adequate.*



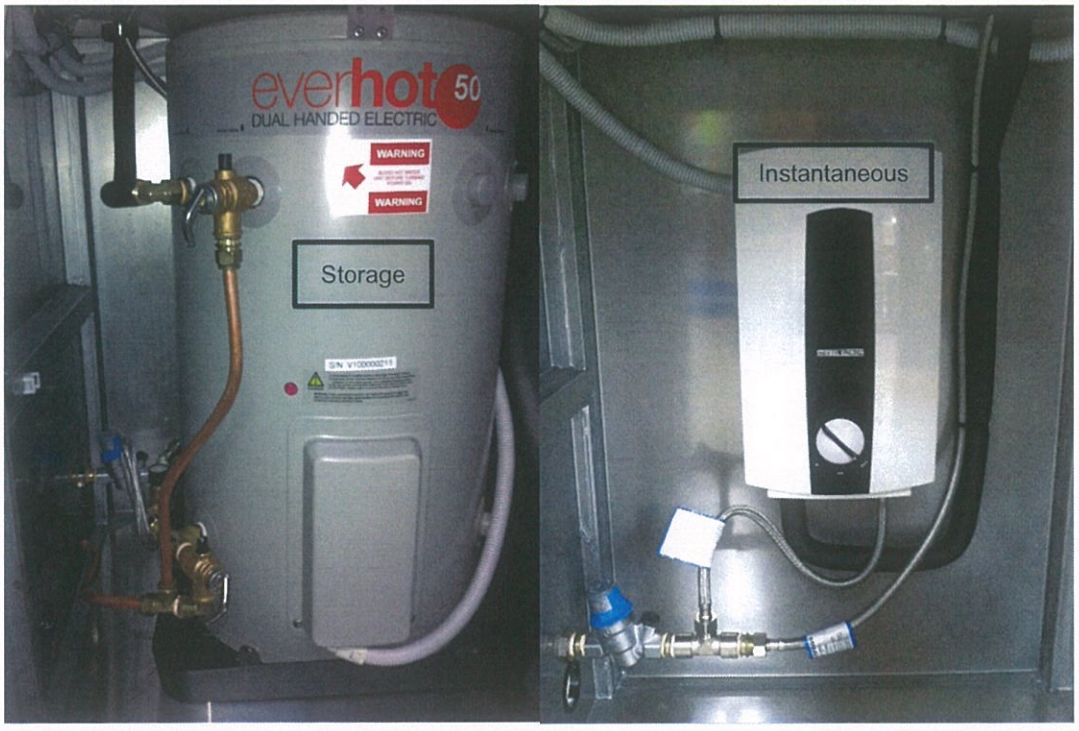
4.2 On Board Hot Water Service

Shown below is a K9000 with an on-board hot water storage service. It requires a Tundish to collect any water that is expelled from the relief valves. An air gap is to be maintained in accordance with ANS/NZS 3500.2:2015 C1.4.6.8.1(b) between the copper pipe outlet and the top of the tundish. A Tundish s not required for an instantaneous hot water system.



Tundish with air gap between the copper pipe and tundish highlighted. *Only required for on board Storage Hot Water Unit*

Below left, a dog wash with hot water storage service installed, and pictured right, a dog wash with instantaneous hot water unit.

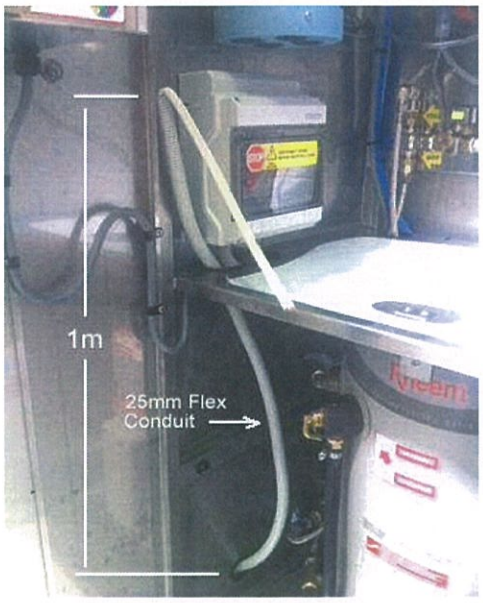


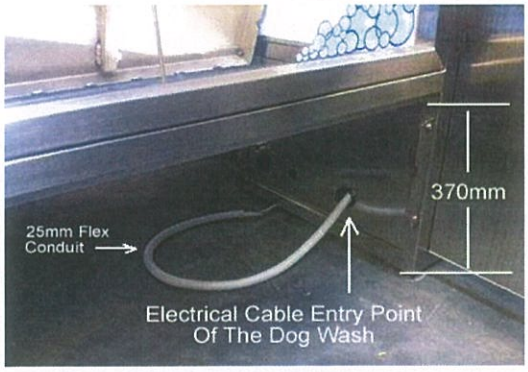
5 Back Flow Prevention Device

Connections need to be protected by a “high hazard” backflow prevention device. The below picture highlights the use of a reduce pressure backflow preventer (“RPZ”). Refer to appendix 8.1, Plumbing Schematic Individual Protection drawing.

6 Electrical Installation of the Unit

The below picture is the main electrical cable inside the cabinet. It enters through the gland underneath the dog wash close to the ground. Run the power cable in 25mm flexible conduit as there is a socket already installed in the bottom of the main circuit breaker box shown. Leave 1m in length after you have reached the bottom gland. *If a new power point/source is being installed for the dog wash it needs to be below 370mm from the floor as the back of the dog wash fits flush with the wall.*





The above picture shows the main electrical cable entry point into the dog wash. Once you have run the cable and conduit to this point, leave another 900mm for the termination inside the cabinet.

Dog Wash Unit	Current Protection	Max Current
Standard	10 AMP	9.2 AMP
Standard with Heated Dryer	15 AMP	13 AMP
Standard with Storage Hot Water Service	32 AMP	25 AMP
Standard with Storage Hot Water Service & Heated Dryer	32 AMP	28 AMP
Standard with Instantaneous Hot Water (either dryer type)	40 AMP	40 AMP

7 Fact Sheet

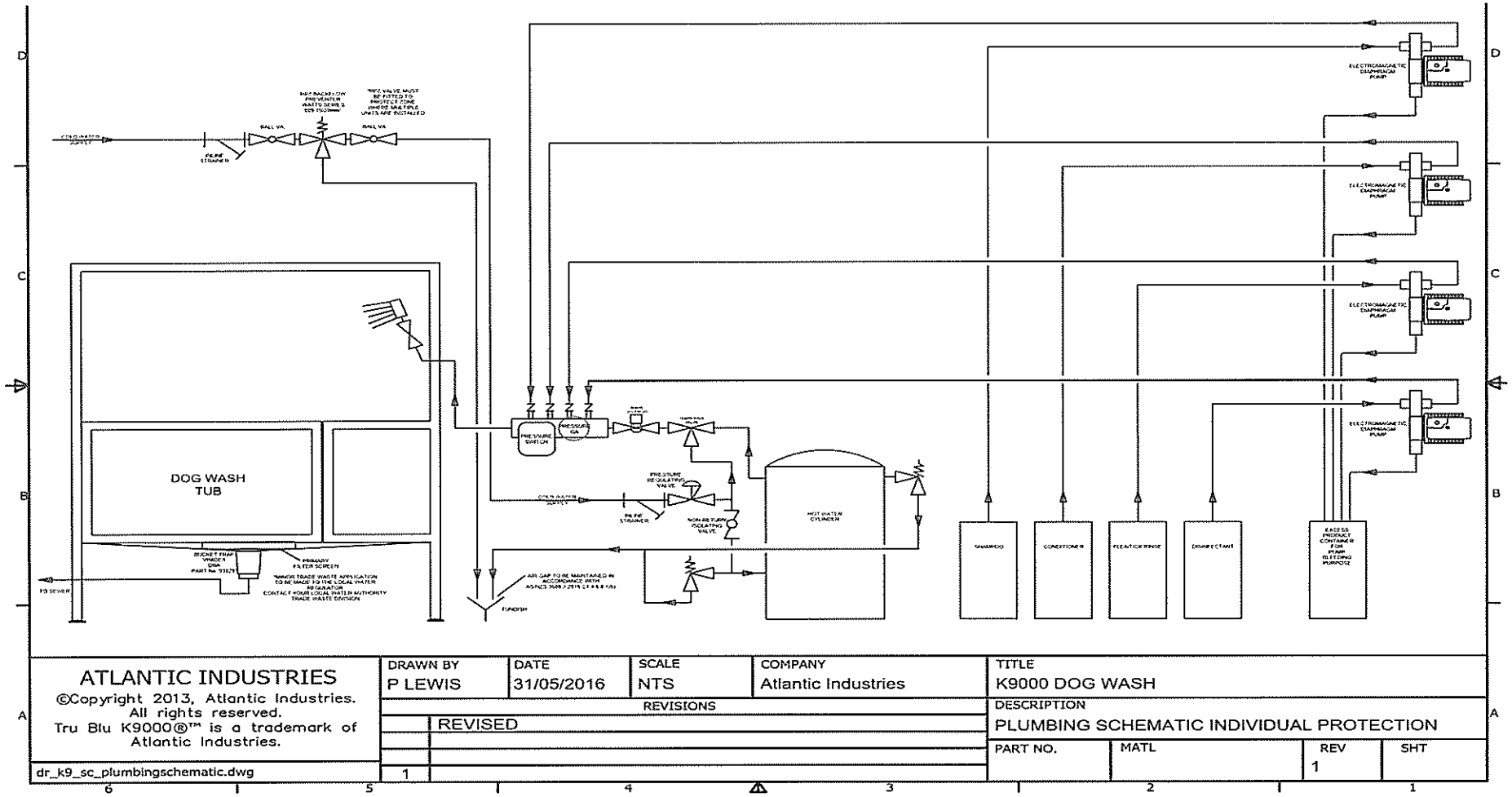
Fact Sheet

- Unit connects to existing services
    - Hot/Cold Water*
    - 50mm Sewer Waste**
    - 240-volt, 10-amp power supply (standard unit)
    - 240-volt, 15-amp power supply (standard unit with heated dryer)
    - 240-volt, 32-amp power supply (with storage hot water unit)
    - 240-volt, 40-amp power supply (standard with instantaneous hot water unit, with or without either dryer type)
- A Hot Water unit is optional, can be fitted if required.
- Water usage: 8 to12 litres per minute (40-60ltrs per wash)
- Length 2150mm / Height 1850mm / Depth 600mm
- Weight K9000 2.0, K9000 285kg, K9L & Groom Easy 225kg
- Standard wash charge is recommended to be between $10 & $12, for 10 minutes of wash time (minimum start-up)
- Cost to wash each dog is approximately 90 cents to $1.20
- Average power usage per wash cycle is .76 kwh

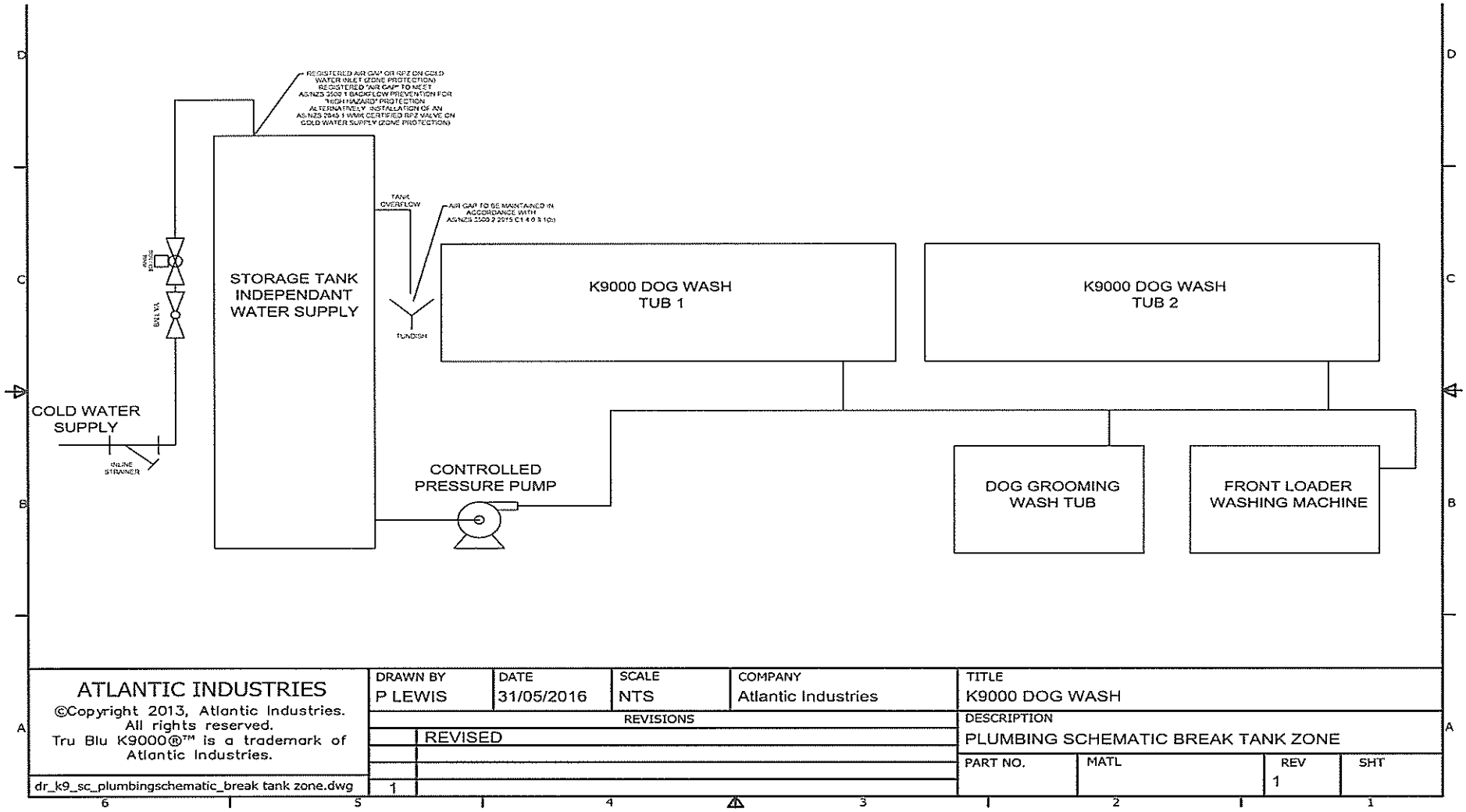
**Note: Connections to existing hot/cold water to be protected by a "high hazard" backflow prevention device. i.e. "RPZ" or Registered "Air-Gap"*
***Note: A minor trade waste application is to be made to the local water regulator (Contact your local water authority trade waste division)*

8 Appendices

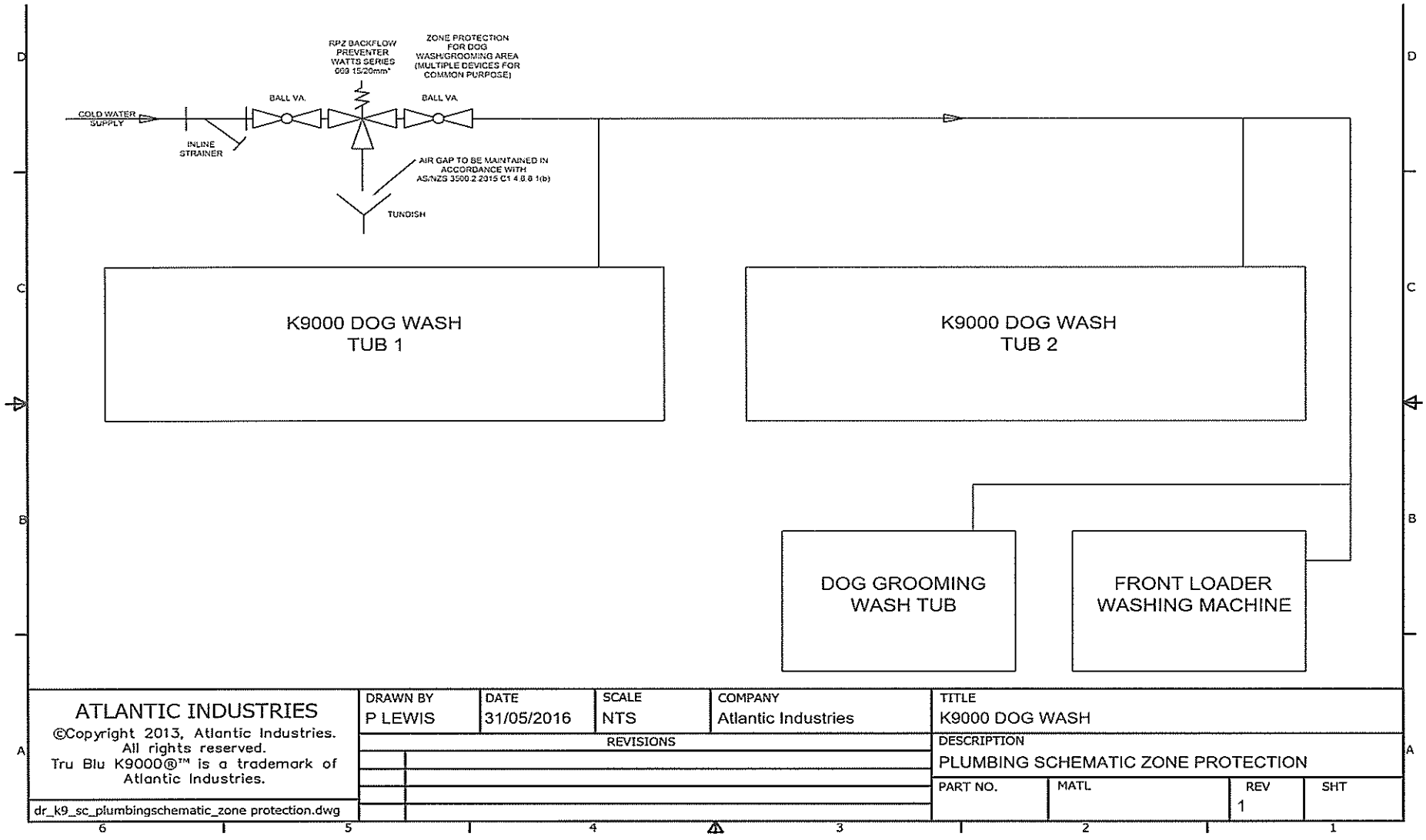
8.1 Plumbing Schematic Individual Protection



8.2 Plumbing Schematic Break Tank Zone



8.3 Plumbing Schematic Zone Protection



9 Attachments

9.1 Plumbing Schematic Break Tank Zone

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hematic_break tank zc

9.2 Plumbing Schematic Individual Protection

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hematic_REV1.pdf

9.3 Plumbing Schematic Zone Protection

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