

Health & Aged Care – Commercial Bathroom Products

Specification Information

The following document provides specification information of our commercial bathroom products, specifically for health and aged care facilities, including secure areas within those facilities.

Please visit the following websites for a full listing of Revit & ArchiCAD files and products:

Revit and ArchiCAD: www.thornthwaite.com.au/resources/bim-cad/

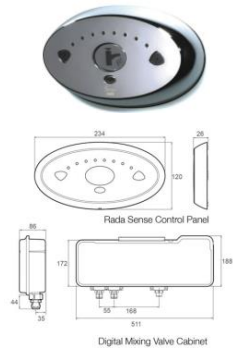
Website: www.thornthwaite.com.au

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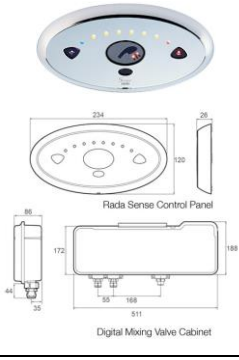
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1. SENSOR OPERATED DIGITAL MIXING VALVES

1.1. Rada Sense – sensor operated digital mixing valve – basins

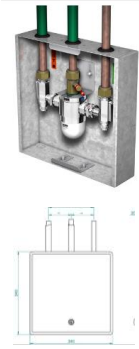
Supplier	Thornthwaite Technologies - 02 9417 4466	
Models	1503680 – Rada Sense digital mixing valve (with basin sensor)	
Approvals	AS 4032.1, NSW Health	
Material	Control panel - Chrome plated ABS	
Location	Hand Basin	
Other info	TMV approved plumber to install.	
Web link	www.thornthwaite.com.au/product/rada-sense-basin/	
Details to Specify	Rada Sense digital mixing valve with wall-mounted infra-red non touch sensor control panel for on/off control and temperature adjustment, for basins. Programmable min, max & default temperatures, automatic water shut-off, duty flush and thermal disinfection. 12V DC transformer, checkvalves and strainers. AS 4032.1, NSW Health	

1.2. Rada Sense – sensor operated digital mixing valve – showers

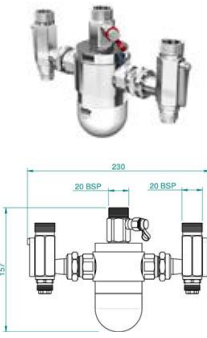
Supplier	Thornthwaite Technologies - 02 9417 4466	
Models	1503684 – Rada Sense digital mixing valve (with shower sensor)	
Approvals	AS 4032.1, NSW Health	
Material	Control panel - Chrome plated ABS	
Location	Hand shower	
Other info	TMV approved plumber to install.	
Web link	www.thornthwaite.com.au/product/rada-sense-shower/	
Details to Specify	Rada Sense digital mixing valve with wall-mounted infra-red non touch sensor control panel for on/off control and temperature adjustment, for showers. Programmable min, max & default temperatures, automatic water shut-off, duty flush and thermal disinfection. 12V DC transformer, checkvalves and strainers. AS 4032.1, NSW Health	

2. THERMOSTATIC MIXING VALVES


2.1. Rada 215dk thermostatic mixing valve in a 300mm recessed box

Supplier	Thornthwaite Technologies - 02 9417 4466	
Models	40861RB300 – Rada 215dk TMV in a recessed galvanised box with stainless steel lid	
Approvals	AS 4032.1; NSW Health Approved	
Material	Stainless steel lid	
Location	Bathroom	
Other info		
Web link	www.thornthwaite.com.au/product/rada-215dk-thermostatic-mixing-valve-in-a-box/	
Details to Specify	Rada 215dk TMV in a recessed galvanised box (300 x 300 x 75mm) with stainless steel lid or with a galvanised lid for exposed installations. Flow rate 2.5 – 50 L/min. Incorporating a sealed-for-life Radatherm cartridge; inlet check valve & strainer cartridges; inlet isolating ball valves; outlet temperature test point; and 20mm copper inlet & outlet pipework. AS 4032.1; NSW Health Approved	

2.2. Rada 215dk thermostatic mixing valve in a kit

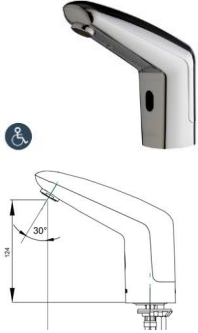
Supplier	Thornthwaite Technologies - 02 9417 4466	
Models	40861EK – Rada 215dk for exposed installation	
Approvals	AS 4032.1; NSW Health Approved	
Material	Chrome plated brass	
Location	Bathroom	
Other info	Exposed versions are also available	
Web link	www.thornthwaite.com.au/product/rada-215dk-thermostatic-mixing-valve-with-exposed-kit/	
Details to Specify	Rada 215dk thermostatic mixing valve with installation kit for exposed installation. Flow rate 2.5 – 50 L/min. Incorporating a sealed-for-life Radatherm cartridge; inlet check valve & strainer cartridges; inlet isolating ball valves; outlet temperature test point. Inlets and outlet 3/4" BSPM. AS 4032.1; NSW Health Approved	

2.3. Rada 215bk thermostatic mixing valve in an exposed 200mm box

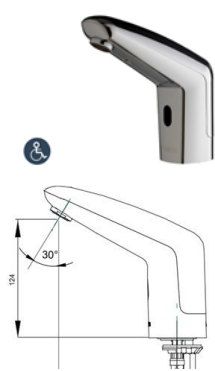
Supplier	Thornthwaite Technologies - 02 9417 4466	
Models	40863EB200 – Rada 215bk TMV in an exposed stainless steel box and lid	
Approvals	AS 4032.1; NSW Health Approved	
Material	Stainless steel box and lid	
Location	Bathroom	
Other info	Recessed versions are also available	
Web link	www.thornthwaite.com.au/product/rada-215bk-thermostatic-mixing-valve-in-a-box/	
Details to Specify	Rada 215bk thermostatic mixing valve in an exposed stainless steel (200 x 200 x 65mm) box and lid. Flow rate 2.5 – 50 L/min. Incorporating a sealed-for-life Radatherm cartridge; inlet check valve & strainer cartridges; inlet isolating ball valves; outlet temperature test point; and 20mm copper inlet & outlet pipework. AS 4032.1; NSW Health Approved	

3. SENSOR TAPS

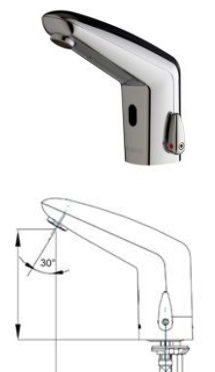
3.1. Presto Volta sensor tap - battery

Supplier	Thornthwaite Technologies - 02 9417 4466	
Models	P55066 – Presto Volta sensor tap – battery	
WELS	6 Stars 4 L/min	
Approvals	AS/NZS 3718, AS 1428.1 – 2009	
Material	Polished chrome plated zinc alloy (ZAMAC) outer body casing	
Location	Hand Basin	
Other info	Compliant with AS 1428.1 – 2009 when used with particular basins.	
Web link	www.thornthwaite.com.au/product/presto-volta-sensor-tap/	
Details to Specify	Basin mounted sensor tap. Incorporates a 4 L/min flow regulator, infra-red sensor, solenoid valve and 6 volt lithium battery enclosed within the tap body. Approvals: AS/NZS 3718, WELS 6 stars and AS 1428.1 – 2009 when used with particular basins.	


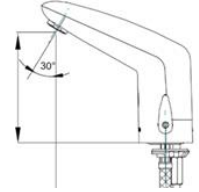
3.2. Presto Volta sensor tap - mains

Supplier	Thornthwaite Technologies - 02 9417 4466	
Models	P55053 – Presto Volta sensor tap - mains	
WELS	6 Stars 4 L/min	
Approvals	AS/NZS 3718, AS 1428.1 – 2009	
Material	Polished chrome plated zinc alloy (ZAMAC) outer body casing	
Location	Hand Basin	
Other info	Compliant with AS 1428.1 – 2009 when used with particular basins.	
Web link	www.thornthwaite.com.au/product/presto-volta-sensor-tap/	
Details to Specify	Basin mounted sensor tap. Incorporates a 4 L/min flow regulator, infra-red sensor, solenoid valve within the tap body. Mains powered via an external 240V AC/7V DC (IP65) transformer. Approvals: AS/NZS 3718, WELS 6 stars and AS 1428.1 – 2009 when used with particular basins.	

3.3. Presto Volta sensor mixer tap - battery



Supplier	Thornthwaite Technologies - 02 9417 4466	
Models	P55169 – Presto Volta sensor mixer tap - battery	
WELS	6 Stars 4 L/min	
Approvals	AS/NZS 3718	
Material	Polished chrome plated zinc alloy (ZAMAC) outer body casing	
Location	Hand Basin	
Other info		
Web link	www.thornthwaite.com.au/product/presto-volta-sensor-mixer-tap/	
Details to Specify	Basin mounted sensor mixer tap with lever. Incorporates a 4 L/min flow regulator, infra-red sensor, solenoid valve and 6 volt lithium battery enclosed within the tap body. Approvals: AS/NZS 3718, WELS 6 stars and AS 1428.1 – 2009 when used with particular basins.	

3.4. Presto Volta sensor mixer tap - mains


Supplier	Thornthwaite Technologies - 02 9417 4466	 
Models	P55154 – Presto Volta sensor mixer tap - mains	
WELS	6 Stars 4 L/min	
Approvals	AS/NZS 3718	
Material	Polished chrome plated zinc alloy (ZAMAC) outer body casing	
Location	Hand Basin	
Other info		
Web link	www.thornthwaite.com.au/product/presto-volta-sensor-mixer-tap/	
Details to Specify	Basin mounted sensor mixer tap with lever. Incorporates a 4 L/min flow regulator, infra-red sensor, solenoid valve enclosed within the tap body. With an external 240V AC/7V DC (IP65) transformer for connection to mains power. Approvals: AS/NZS 3718, WELS 6 stars.	

4. SHOWER HEADS

4.1. Rada VR105 vandal resistant showerhead

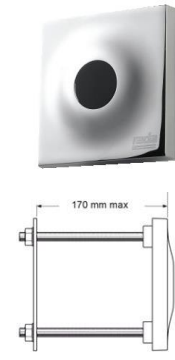
Supplier	Thornthwaite Technologies - 02 9417 4466	 
Models	09877 – Rada VR 105 vandal resistant shower head	
WELS	3 stars	
Approval	AS/NZS 3662	
Material	Chrome plated DR brass	
Location	Showers	
Other info		
Web links	www.thornthwaite.com.au/product/rada-vr105-showerhead/	
Details to Specify	Rada VR105 (8.5 L/min) vandal resistant shower head for connection to concealed pipework, 1/2" BSP connection. Incorporates a fixed spray plate. Two different spray angles can be selected by maintenance staff. Approvals: AS/NZS 3662, WELS 3 stars	

4.2. Rada VR 2 vandal resistant showerhead


Supplier	Thornthwaite Technologies - 02 9417 4466	
Models	1652.009 – Rada VR2 vandal resistant shower head	
WELS	3 stars	
Approval	AS/NZS 3662	
Material	Chrome plated DR brass	
Location	Showers	
Other info		
Web links	www.thornthwaite.com.au/product/rada-vr2-showerhead/	
Details to Specify	Rada VR2 (8 L/min) vandal resistant shower head for connection to concealed pipework, 1/2" BSP connection. Incorporates a fixed spray plate. Two different spray angles can be selected by maintenance staff. Approvals: AS/NZS 3662, WELS 3 stars	

5. MENTAL HEALTH - LIGATURE RESISTANT SENSORS & SHOWER HEADS

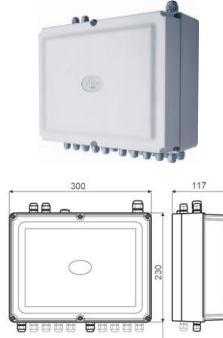
5.1. Rada Ligature resistant sensor

Supplier	Thornthwaite Technologies - 02 9417 4466	
Models	1640.002 – Rada LR ligature resistant sensor operating system	
WELS	6 Stars 6 L/min	
Approvals	AS/NZS 3718	
Material	Brass with polished chrome finish	
Location	Hand Basin or shower	
Other info	Connect to Rada Pulse control box. Install offset to spout or shower	
Web link	www.thornthwaite.com.au/product/rada-lr-system/	
Details to Specify	Each outlet (basin or shower) to be served by one wall mounted Rada LR ligature resistant active infra-red operating sensor system for 'no-touch' flow control. Complete with active infra-red sensor, 1/2" BSPM solenoid valve and isolating ball valve. For connection to the Rada Pulse Control Box, this provides connection up to 10 outlet fixtures. AS/NZS 3718	

5.2. Rada Ligature resistant head (for showers or basins)

Supplier	Thornthwaite Technologies - 02 9417 4466	
Models	1640.001 – Rada LR ligature resistant shower head	
WELS	3 stars	
Approval	AS/NZS 3662	
Material	Chrome plated DR brass	
Location	Showers or basins	
Other info		
Web link	www.thornthwaite.com.au/product/rada-lr-showerhead/	
Details to Specify	Rada LR ligature resistant shower head (7 L/min) for connection to concealed pipework, 1/2" BSP connection. Incorporates a fixed spray plate. AS/NZS 3662	

5.3. Rada Pulse Control Box

Supplier	Thornthwaite Technologies - 02 9417 4466	
Models	09379 – Rada Pulse Control Box	
Approvals	AS/NZS 3718, ATS 5200.020	
Material	Chromium plated durable engineering plastic	
Location	Bathroom	
Other info	Electrician to provide 240 VAC power point. Install cabling from sensors & solenoid valves to Control Box.	
Web link	www.thornthwaite.com.au/product/rada-pulse-control-box/	
Details to Specify	Rada Pulse Control Box is a complete washroom water control unit with an integral 240VAC/12VAC transformer. Controls up to 10 solenoid valves via the activation of Rada Pulse sensors for water flow to basins, showers (in any combination). AS/NZS 3718, ATS 5200.020	

5.4. Rada Pulse Handheld Programmer

Supplier	Thornthwaite Technologies - 02 9417 4466	
Models	09380 – Rada Pulse Handheld programmer	
Approvals	AS/NZS 3718, ATS 5200.020	
Material	Chromium plated durable engineering plastic	
Location	Bathroom	
Other info		
Web link	www.thornthwaite.com.au/product/rada-pulse-handheld-programmer/	
Details to Specify	Rada Pulse Hand Held Programmer used to program the Rada Pulse Control Box. Includes four touch sensitive buttons, alphanumeric display and a 3m extendible coiled cable which plugs into the Rada Pulse control box when programming.	