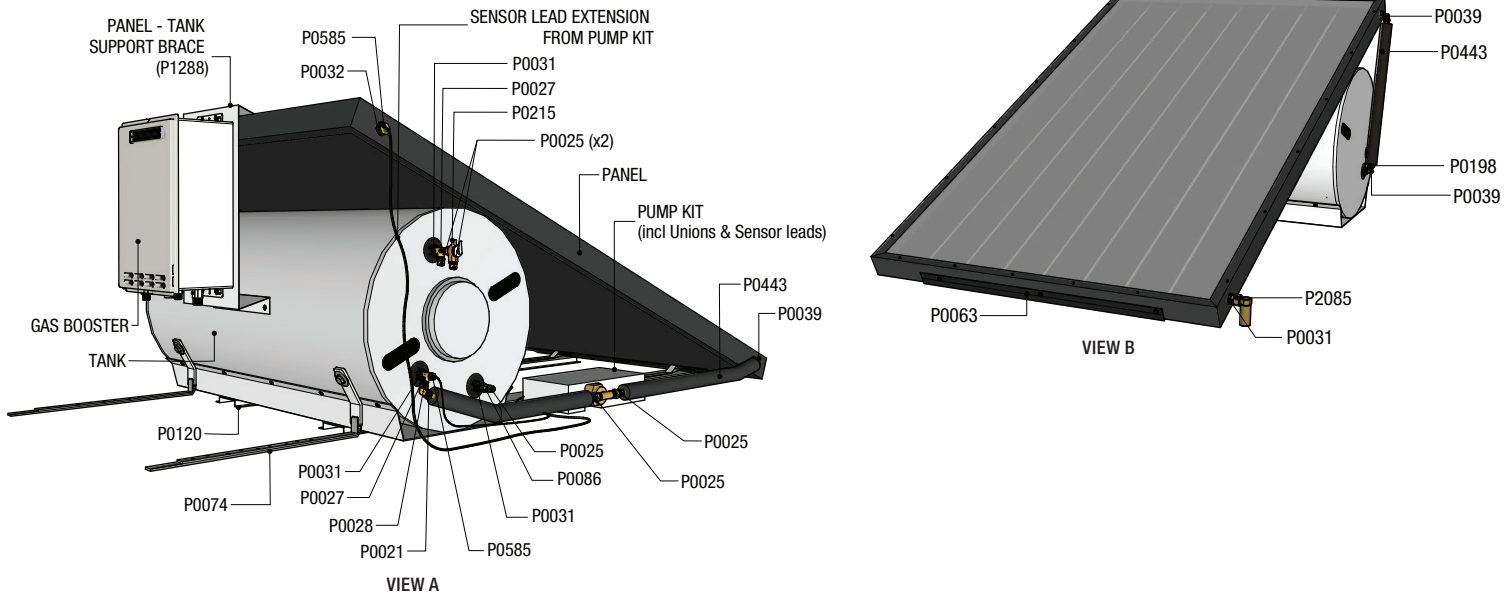


### System Overview



NOTE: System schematic is indicative only

### Part Kits & Components

Parts not included in standard kits (\* to be supplied by installer):

Part#	Qty Req'd	Component Name
P0087	1	Duo valve
P0201	1	Pressure limiting valve
P0077	1	Tempering valve

Standard components / kits included with pumped roof systems:

200L Gas - Open Loop System (Single Panel)
1 x 200L OL Tank
1 x Collector Panel
1 x Conn. Kit (K2020)
1 x Tank Support Brace (P1288)
1 x Gas Booster

### System Connecting Kit (K2020)

Part#	Qty	Component Name
P0021	1	Elbow 15mm FI - Conetite
P0025	5	Union 15mm MI - Conetite
P0027	2	15mm Brass Tee
P0028	1	Adaptor 15-15mm Brass Nipple
P0031	4	Adaptor 20-15mm Brass Nipple
P0032	1	Bush 20mm MI - 15mm FI
P0039	3	Elbow 20mm MI - 15mm Conetite
P0047	15	Self Tapping Screw
P0063	1	Bottom Rail for Single Panel

### System Connecting Kit (Continued)

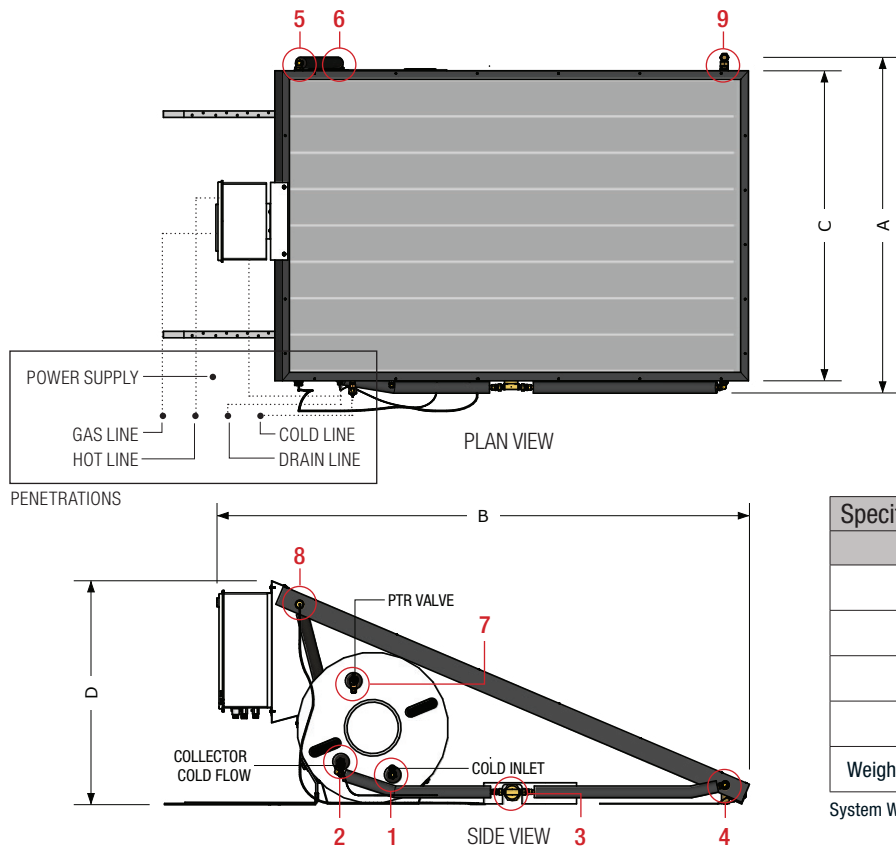
P0074	4	Tank / Rail Straps
P0215	1	PTR valve
P0086	1	Non-Return Valve
P0120	2	Roof Support Rail (to be used where required)
P0198	2	Copper Length 12mm - Short
P0198	1	Copper Length 12mm - Long
P0585	2	15mm Sensor Plug
P0443	2	Insulation
P2085	1	Anti Frost Valve
P1110	1	Pump Station Assy incl. 2 x unions and sensor leads

NOTE: Frost valves are required for all solar hot water systems installed in Victoria

INSTALLATION SHALL CONFORM TO THE PLUMBING CODE OF AUSTRALIA (PCA)

WARNING – THIS APPLIANCE MAY DELIVER WATER AT HIGH TEMPERATURE. REFER TO THE PLUMBING CODE OF AUSTRALIA (PCA), LOCAL REQUIREMENTS AND INSTALLATION INSTRUCTIONS TO DETERMINE IF ADDITIONAL DELIVERY TEMPERATURE CONTROL IS REQUIRED.

## System Dimensions



Specifications		
		200L
A	Overall Width	1415mm
B	Overall Length	2310mm
C	Collector Width	1274mm
D	Overall Height	850mm
Weight (Empty)	System Weight	140kg

System Weight includes: Tank, Collector & Gas Booster

## Connection Points

The following indicates all brass fittings / connections required (excluding gas boost - refer to separate instructions)

*NOTE: The cold water inlet line requires an approved isolating non-return valve. In some locations regulations require a pressure relief valve be fitted to the cold water supply. All hot water pipes must be insulated*

Connection Location	Fittings	Image
1 - Cold In	Adaptor 20-15mm Brass Nipple	
	Non-Return Valve	
	Union 15mm MI - Conetite	
2 - Cold Flow from Tank	Adaptor 20-15mm Brass Nipple	
	15mm Brass Tee	
	Adaptor 15-15mm Brass Nipple	
	Elbow 15mm FI - Conetite	
	15mm Sensor Plug	
3 - Cold Flow to Pump Station	Union 15mm MI - Conetite (x2)	
4 - Cold Flow to Collector	Elbow 20mm MI - 15mm Conetite	

Connection Points (Cont)

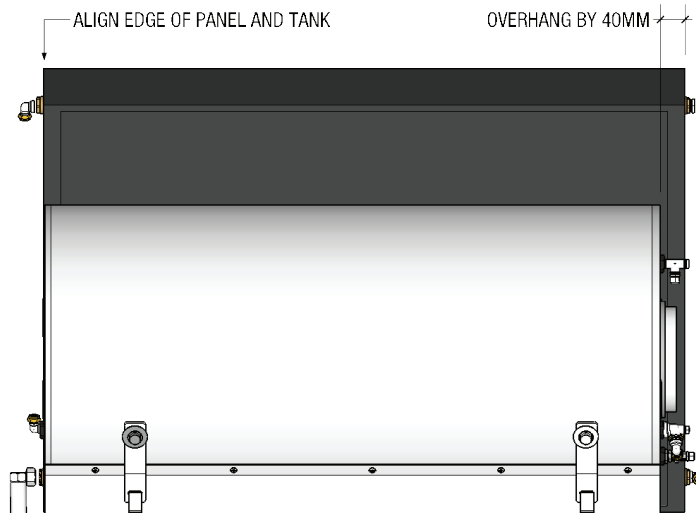
Connection Location	Fittings	Image
5 - Hot Flow from Collector	Elbow 20mm MI - 15mm Conetite	
6 - Hot Flow to Tank	Elbow 20mm MI - 15mm Conetite	
7 - Hot Water from Tank	Adaptor 20-15mm Brass Nipple	
	15mm Brass Tee	
	PTR valve	
	Union 15mm MI - Conetite (x2)	
8 - Panel Sensor (Upper Left of Panel)	Bush 20mm MI - 15mm FI	
	15mm Sensor Plug	
9 - Frost Valve (Lower Right of Panel)	Adaptor 20-15mm Brass Nipple	
	Anti Frost Valve	

**IMPORTANT!** Ensure all connections are tight and leak-free  
**IMPORTANT!** Frost valves must always be installed at an angle equal to the panel surface or facing down to allow water to drain freely. Installing the valve incorrectly may result in water freezing inside the valve and valve failure. Frost valve should be inspected annually and replaced as required.

Panel Positioning

When positioning the panel on the horizontal tank, align the edge of the panel with the hot return side of the tank.

Then ensure the panel is angled correctly (i.e. slide the panel up or down the tank) so that when the tank support brace is positioned the face is vertical.

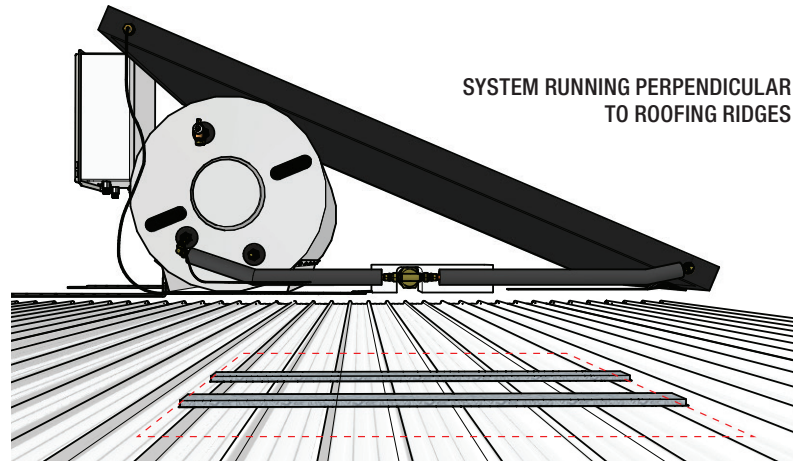
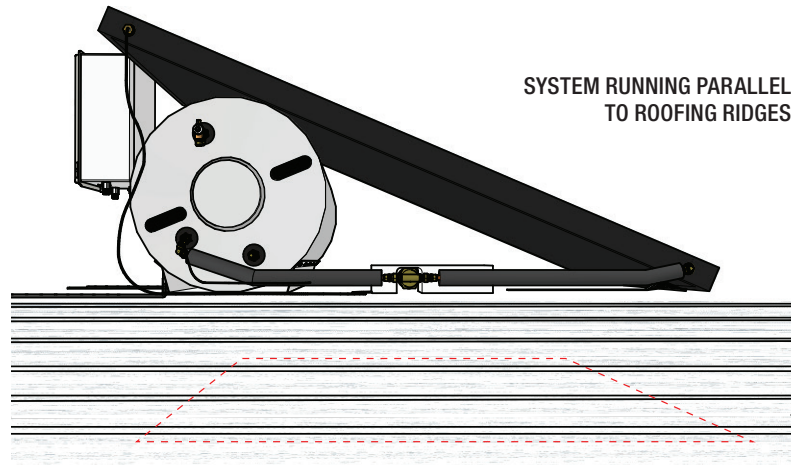


## System Mounting

When setting out the position of the system, the panel should face in the most northerly direction for the most efficient operation.

When installing the system parallel to the roofing ridges, the system can simply be installed across the ridges.

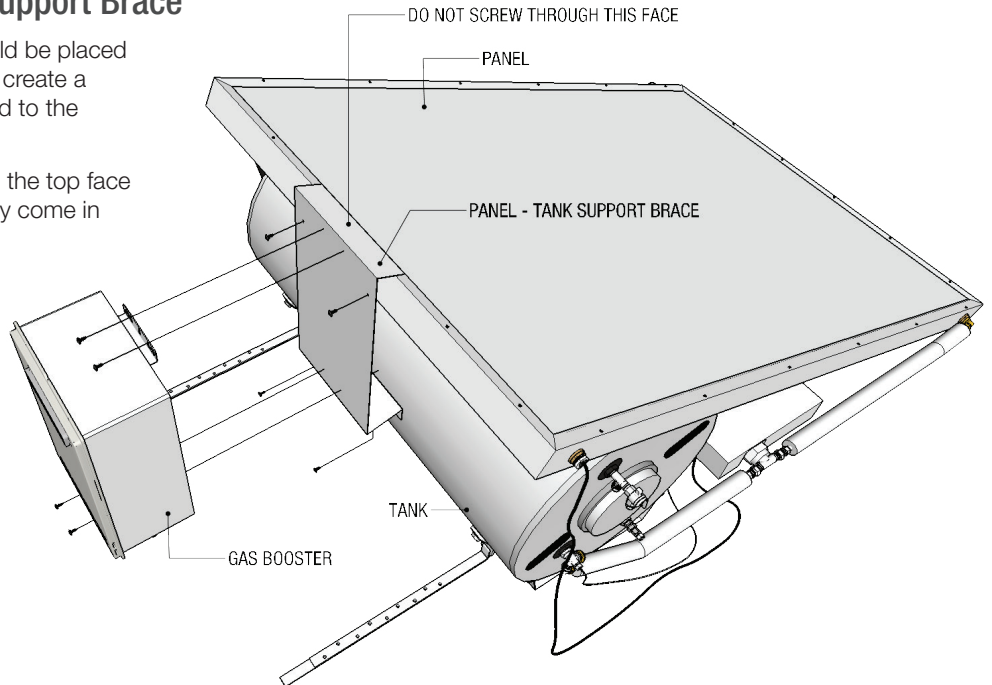
When the system cannot be installed in this manner (i.e. system is running perpendicular or at an angle to the roofing ridges), please use the supplied roof support rails to support the tank and the collector rail.



## Installation of Tank Support Brace

The tank support brace should be placed centrally along the panel and create a vertical surface once mounted to the panel and tank.

NOTE: Do not screw through the top face of the bracket, as screws may come in contact with the panel glass.



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