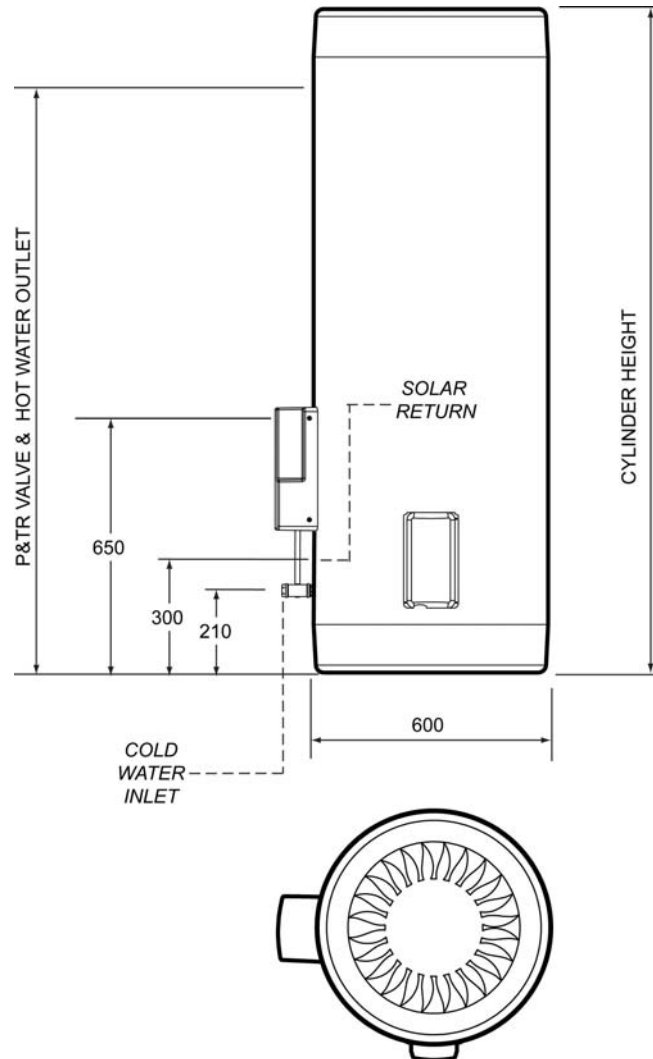


**Table 6 Electric boosted stainless steel storage tanks nominal measurements**

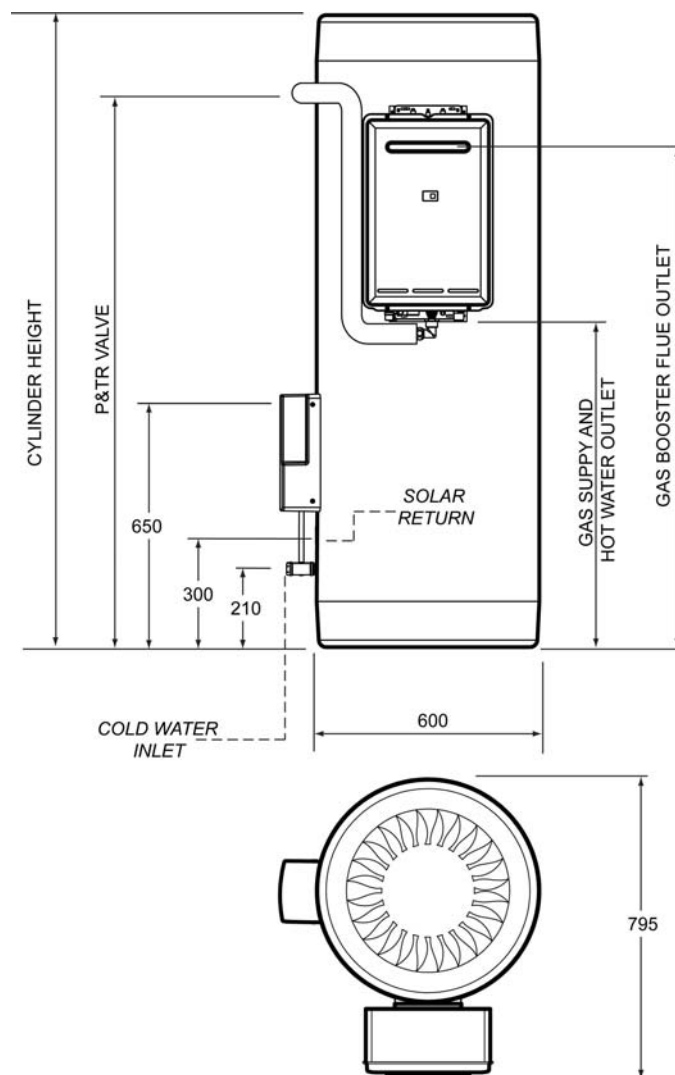
	Rated tank hot water delivery (litres)		
	160	250	315
<b>PTR/Solar Return/Hot Water Outlet (mm)</b>	995	1400	1880
<b>Cylinder Height (mm)</b>	1205	1790	2090
<b>Weight Empty (kg)</b>	44	56	68



**Figure 4 Stainless steel electric boosted tank**

**Table 7 Gas boosted stainless steel storage tanks nominal measurements**

	Rated tank hot water delivery (litres)		
	180	265	330
<b>Cylinder Height (mm)</b>	1205	1790	2090
<b>PTR/Solar Return/Hot Water Outlet (mm)</b>	995	1400	1880
<b>Gas Supply and Hot Water Outlet (mm)</b>	—	880	1270
<b>Gas Booster Flue Outlet (mm)</b>	—	1345	1735
<b>Weight Empty (kg)</b>	44	56	68



**Figure 5 Stainless steel gas boosted storage tank**

### 3.2.3 Vitreous enamel electric boosted storage tank

The EXCEED™ electric boosted systems incorporate mild steel coated with vitreous enamel storage tanks which are manufactured to Australian Standards AS1056.1 and AS3142. The steel cylinders are encased in Colorbond® coated mild steel. The storage tanks are insulated with high density chlorofluorocarbons (CFC) free polyurethane.

**Table 8 Electric boosted vitreous enamel storage tanks nominal measurements**

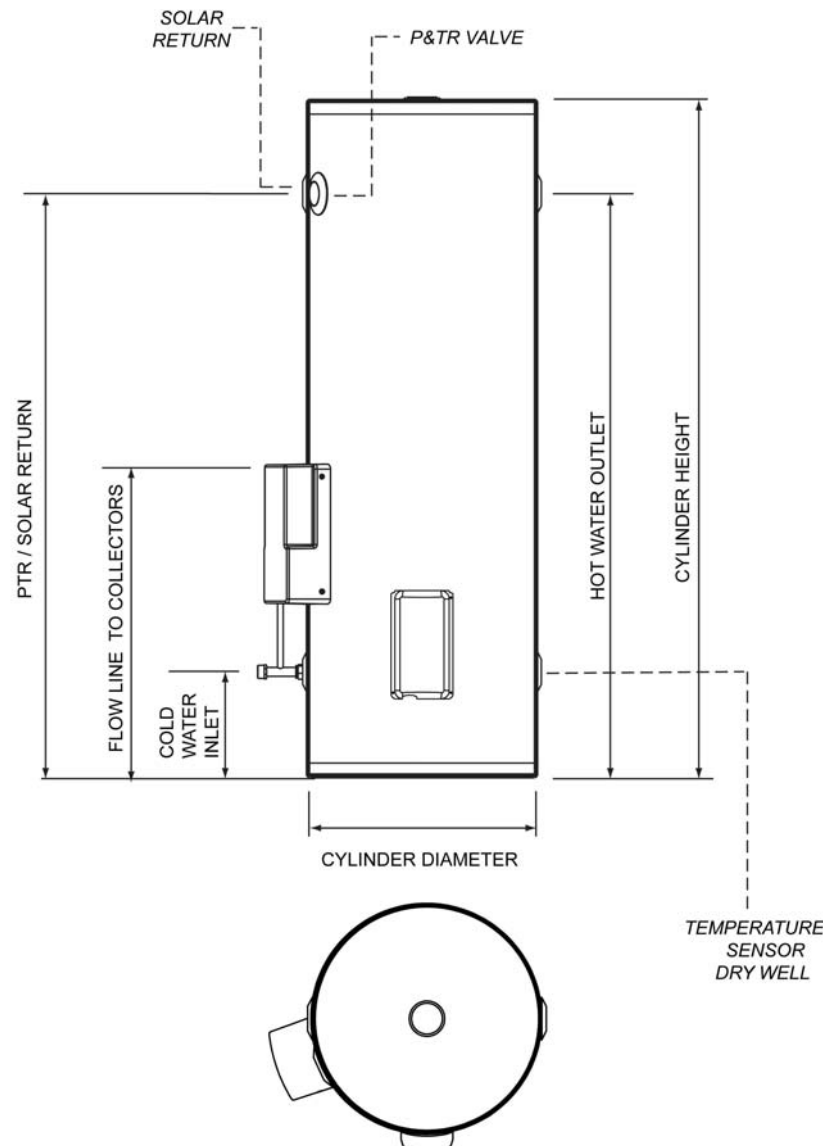
	Rated tank hot water delivery (litres)		
	175	270	340
<b>PTR/Solar Return/Hot Water Outlet (mm)</b>	1310	1605	1200
<b>Flow line to Collector (mm)</b>	665	665	700
<b>Cold Water Inlet (mm)</b>	225	225	260
<b>Cylinder Height (mm)</b>	1530	1825	1510
<b>Diameter (mm)</b>	515	515	685
<b>Weight Empty (kg)</b>	71	83	100

### 3.2.4 Vitreous enamel gas boosted storage tanks

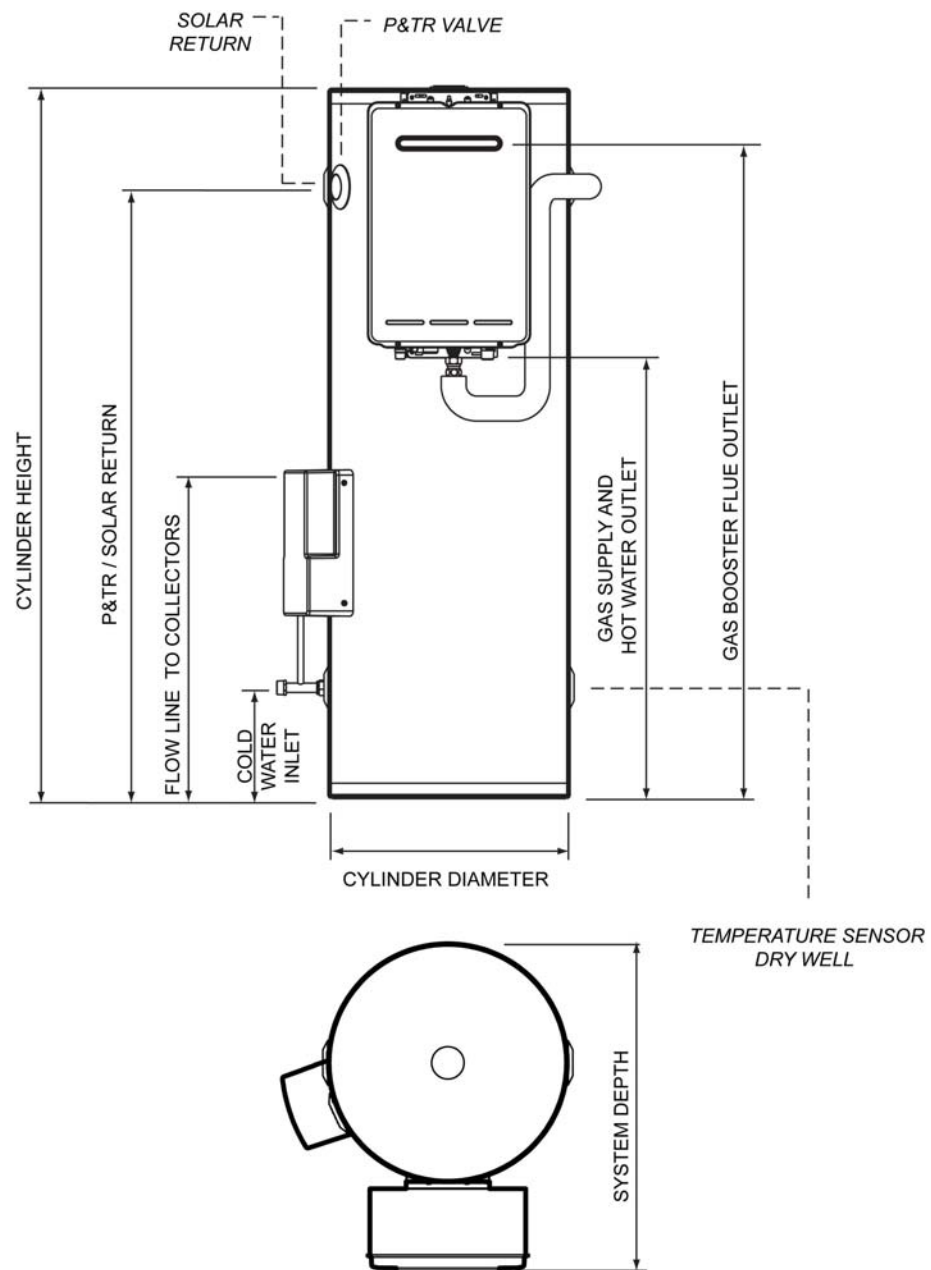
The EXCEED™ gas boosted solar hot water systems use the S20 or S26 gas booster for boosting the water temperature entering the home. The storage tanks incorporate a mild steel cylinder coated with vitreous enamel. The steel cylinders are encased in Colorbond® coated mild steel. The storage tanks are insulated with high density CFC free polyurethane. The tank is fitted with a pressure and temperature relief valve located on the side of the tank. Table 9 contains the gas boosted storage tank specifications.

**Table 9 Gas boosted vitreous enamel storage tanks nominal measurements**

	Rated tank hot water delivery (litres)		
	175	270	340
<b>Cylinder Height (mm)</b>	1530	1265	1510
<b>PTR/Solar Return (mm)</b>	1310	985	1200
<b>Flow line to collector (mm)</b>	665	700	700
<b>Cold Water Inlet (mm)</b>	225	260	260
<b>Gas Supply and Hot Water Outlet (mm)</b>	940	675	920
<b>Gas Booster Flue Outlet (mm)</b>	1400	1135	1380
<b>Diameter</b>	515	685	685
<b>Weight Empty (kg)</b>	66	95	103



**Figure 6 Vitreous enamel electric boosted storage tank**



**Figure 7 Vitreous enamel gas boosted storage tank**

### 3.3 Gas boosters

The S20 and S26 are external electronic gas instantaneous water heaters. Both water heaters are pre-set to a maximum temperature of 60°C. Installation of the S20 and S26 must be in accordance with AS/NZS3500.4:2003 and the instructions detailed in this section of the manual.

The gas booster heats water only when required, minimising energy wastage. The booster switches on when the incoming water temperature is below 60°C.



Figure 8 Gas boosters

### 3.3.1 Gas booster technical specifications

The technical specifications for the S20 and S26 gas boosters are contained in Table 10.

Table 10 S20 and S26 gas booster technical specifications

	S20	S26
<b>Boost Capacity</b>		
L/min @ 20 deg rise	20	26
L/min @ 25 deg rise	16	24
<b>Max Rated Flow</b>	20L/min	26L/min
<b>Min sup pressure for Max sup</b>	120kPa	200kPa
<b>Min flow for operation</b>	2.4L/min	2.4L/min
<b>Frost protection</b>	Yes	Yes
<b>Gas consumption (Max/Min)</b>	18-125MJ/hr	23-188MJ/hr
<b>Hot water delivery temp</b>	60 deg C	60 deg C

### 3.4 Controller and pump combination (combo) box

The primary function of the controller is to control the operation of the pump to optimise solar energy collection. This is performed by measuring the temperature differential between the hot sensor and the cold sensor. When the desired temperature difference is reached, the pump is activated and water circulates through the manifold and is returned to the tank. The pump is switched off once the temperature is within the pre-programmed parameters.