

Heat Merchants PRO Stainless Steel Unvented Water Heating



HEAT
MERCHANTS **PRO** 

Think Heat Merchants PRO

Heat Merchants PRO Indirect

Heat Merchants Pro Cylinder is a cost effective range of unvented mains pressure water heaters manufactured to the highest standards from Duplex stainless steel to ensure a long life.

With large surface area primary coils, Heat Merchants PRO Cylinder delivers fast heat recovery times and excellent flow rates for high power showers and rapid filling baths. Heat Merchants PRO Cylinder is available in capacities from 120 to 300 litres all with an indirect heating coil and back up immersion heater.

All capacities have a 50mm layer of injected (ODP zero) polyurethane foam to minimise heat loss and are finished in a durable white coated steel outer casing with white plastic moulded top and bottom.

Benefits

Builder and Specifier Benefits

- Flexible choice of siting options
- Long life with Duplex Stainless Steel inner container
- Excellent flow rates for high power showers and rapid filling baths
- Balanced cold and hot water supply to shower mixers
- Safety and hot water controls included
- Suitable for new build, refurbishment or commercial applications
- Simple plumbing and electrical connections for simplified installation

Installer Benefits

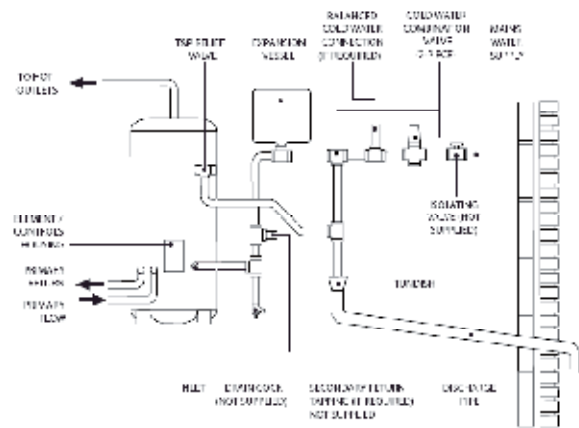
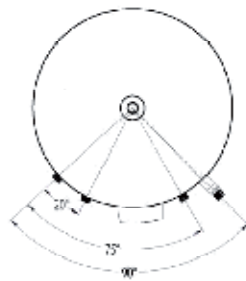
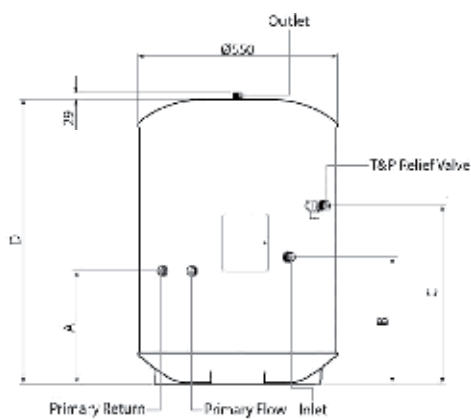
- Simple plumbing and electrical connections for ease of installation
- A complete package with all safety and hot water controls included
- No cold cistern tank required meaning no head issues
- No need for a shower pump
- Low maintenance with no anode to inspect or replace
- Pre-tested at the factory for peace of mind
- 25 year stainless steel vessel guarantee

Consumer benefits

- High Power showers and rapid filling baths
- Rapid heat recovery
- No anode so no need to have an anode checked and replaced
- Can be installed almost anywhere in the home
- Avoids freezing pipes in the loft
- 25 year cylinder leak guarantee
- 2 year guarantee on all other parts



Heat Merchants PRO Indirect



Order Code	U45759	U45760	U45761
Model Capacity	150	210	300
A	315	315	315
B	364	364	364
C	800	1184	1693
D	1090	1474	2045

Property	Model (litres)
1-2 bed with 1 bath/shower	150
3 bed with 1 bath/shower	150
4 bed with 1 baths/shower	150
2-3 bed with 2 baths/shower	210
4-5 bed with 2 baths/shower	210
4-5 bed with 3 baths/shower	300
light commercial use	300

Cylinder Selection Guidance

Note:

This chart is for guidance only and hot water requirements will vary depending on bath size, usage patterns etc. The sizings have been calculated based on BS6700, 7 litres of hot water per basin, 15 litres of hot water per sink, 60 litres of hot water per bath, 60 litres of hot water per shower.



Heat Merchants also offer a full range of A-rated High Efficiency Oil & Gas Boilers

Ask staff for more details.

Heat Merchants PRO Solar

Using solar energy to heat water for the home keeps fuel bills lower and helps to reduce carbon emissions and reduce global warming.

Heat Merchants PRO Solar has been designed to harness this free source of energy. It offers all of the benefits of the standard Heat Merchants PRO mains pressure unvented cylinder giving high power showers and rapid filling baths, and depending on the type of solar system used, its location and usage patterns it can save as much as 60% of the energy used with traditional water heating systems.

Heat Merchants PRO Solar is suitable for use with the wide range of solar systems now available. Rather than simply using a heating coil designed for traditional boiler heated systems (often referred to as a twin coil cylinder rather than a solar cylinder), the solar coil at the base of every Heat Merchants PRO Solar cylinder is specially designed to maximise heat input and efficiency from the solar energy.

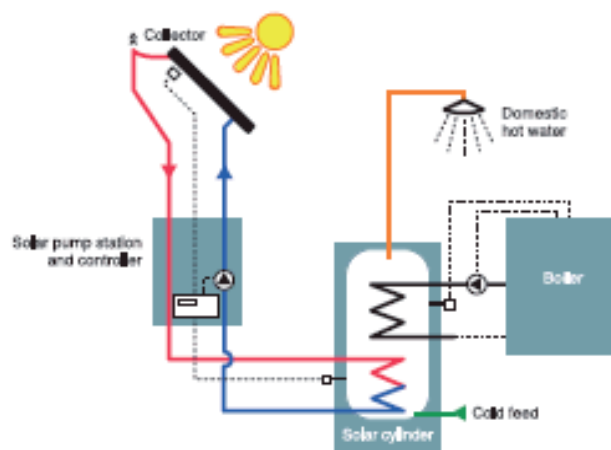
Heat Merchants PRO Solar is available in a range of capacities from 210 to 500 litres. They come with a second indirect coil and back up immersion heater for auxiliary heating on days when the solar gain is not sufficient to deliver all of the required hot water.

Heat Merchants PRO Solar can save on average up to 60% of the annual energy needed to provide hot water. In summer this can be as much as 100% and in winter savings of up to 20% could still be made. The balance of energy required is provided by traditional methods via a gas, oil or electric boiler heating through the cylinder's auxiliary indirect coil. As an auxiliary back up, every cylinder is factory fitted with an immersion heater.

How does Heat Merchants PRO Solar work?

The Heat Merchants PRO Solar cylinder should be installed with a complete solar collector panel kit (not supplied) which takes the energy it collects from the sun's rays and uses to heat the special water mix contained in its pipe work. This water mix is transferred by a pump through the solar coil in the base of the cylinder where its heat is transferred to the stored water. The now cooled water mix is then transferred back to the solar collector panels to be heated by the sun's rays once again.

This cycle continues until the cylinder has reached the desired temperature or until the temperature in the cylinder is warmer than the water mix in the solar collector panel.

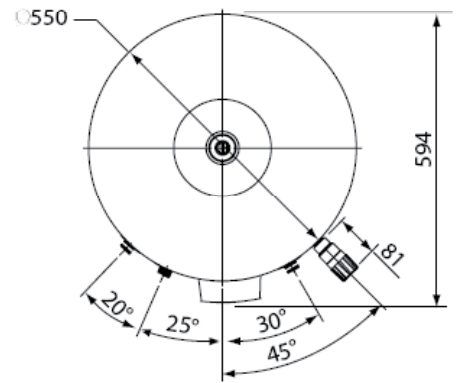
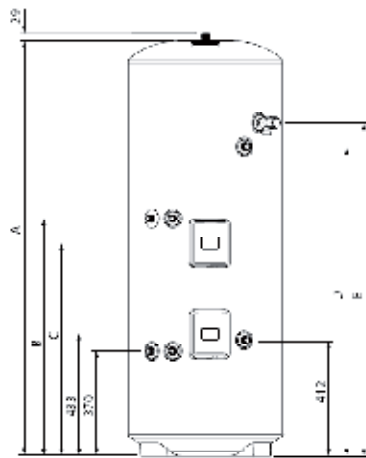


Heat Merchants PRO Solar Cylinder Features and Benefits

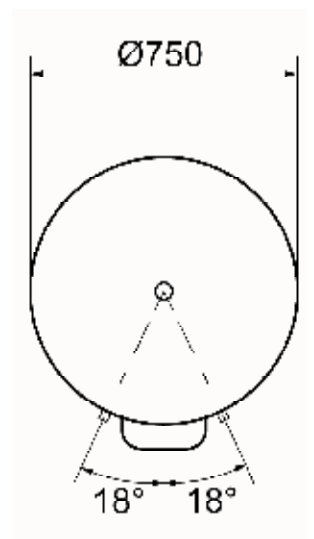
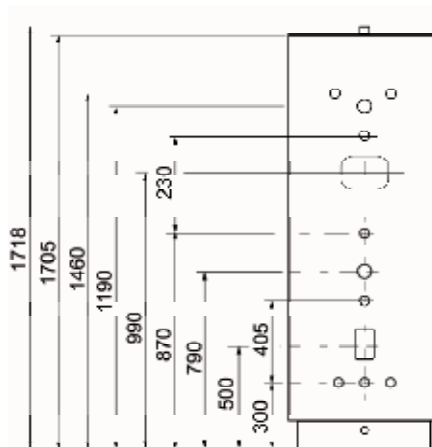
- Long life Duplex stainless steel cylinder
- Choice of capacities from 210 to 500 litres
- Purpose designed solar coil for maximum efficiency
- Indirect auxiliary heating with immersion back up
- Main pressure unvented hot water for high power showers and rapid filling baths
- Lower running costs and lower carbon emissions
- Ideal for both refurbishment and new build projects
- A complete package with all safety and hot water controls included
- 25 year cylinder leak guarantee
- 2 year guarantee on all other parts

Heat Merchants PRO Solar

Order Code	U45762	U45763
Model Capacity	210	300
A	1473	2038
B	1009	1438
C	925	1243
D	1095	1573
E	1184	1715



500 Litre Model **U45764**



**Heat Merchants also supply
Heat Merchants PRO On-Roof
Solar Panels**

Ask staff for more details.



Technical Details

Heat Merchants Code	150 INDIRECT U45759	210 INDIRECT U45760	300 INDIRECT U45761	210 SOLAR U45762	300 SOLAR U45763	500 SOLAR U45764
Height	1090	1474	2045	1473	2038	1718
Width	550	550	550	594	594	750
Primary Coil	22mm s/steel	22mm s/steel	22mm s/steel	22mm s/steel	22mm s/steel	28mm s/steel
Solar Coil	22mm s/steel	22mm s/steel	22mm s/steel	22mm s/steel	22mm s/steel	28mm s/steel
Recovery Time (Mins)	24	29	35	17	22	17
Standing Heat Loss kwh/24h	1.7	2.1	2.52	1.75	2.33	3.11
Heating Time Immersion (Mins)	142	205	304	210	304	199
Inlet/Outlet	3/4" compression	3/4" compression	3/4" compression	3/4" compression	3/4" compression	1" female BSP
Primary/Solar coil	3/4" compression	3/4" compression	3/4" compression	3/4" compression	3/4" compression	1" female BSP
T and P valve	1/2" compression	1/2" compression	1/2" compression	1/2" compression	1/2" compression	3/4" compression
Tundish	1/2" inlet/3/4" outlet	1/2" inlet/3/4" outlet	1/2" inlet/3/4" outlet	1/2" inlet/3/4" outlet	1/2" inlet/3/4" outlet	3/4" inlet/1" outlet
Vessel	12lt	18lt	24lt	18lt	24lt	35lt
Immersion	1 x 3kw	1 x 3kw	1 x 3kw	1 x 3kw	1 x 3kw	2 x 3k
Weight empty (kg)	31	47	60	47.5	66.6	115
Weight full (kg)	181	257	360	264	367	600
Surface area primary coil m ²	0.61	0.73	1	0.61	0.73	1
Surface area solar coil m ²				1.1	1.1	2

All cylinders shells have a 25 year warranty
 Shells are duplex 2101 s/steel
 All parts have a 2 year warranty
 All cylinders have 50mm CFC free insulation
 All cylinders have KIWA approval
 Recovery = 80 deg° @ 15 lt's/min

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