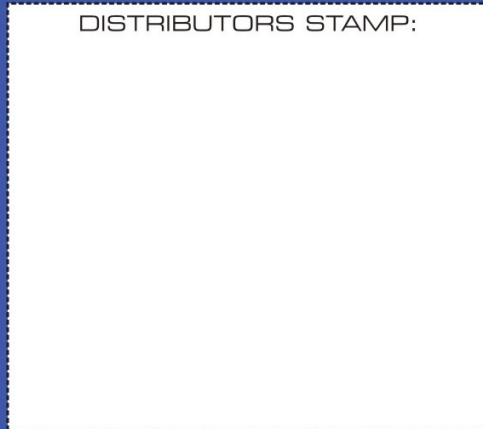


SOLARtherm[®]
By: W.E. GEYSERS
(Pty) Ltd

 **W.E. GEYSERS**
(Pty) Ltd

SIZES AVAILABLE:
100 ltr 150 ltr 200 ltr 250 ltr 300 ltr

DISTRIBUTORS STAMP:



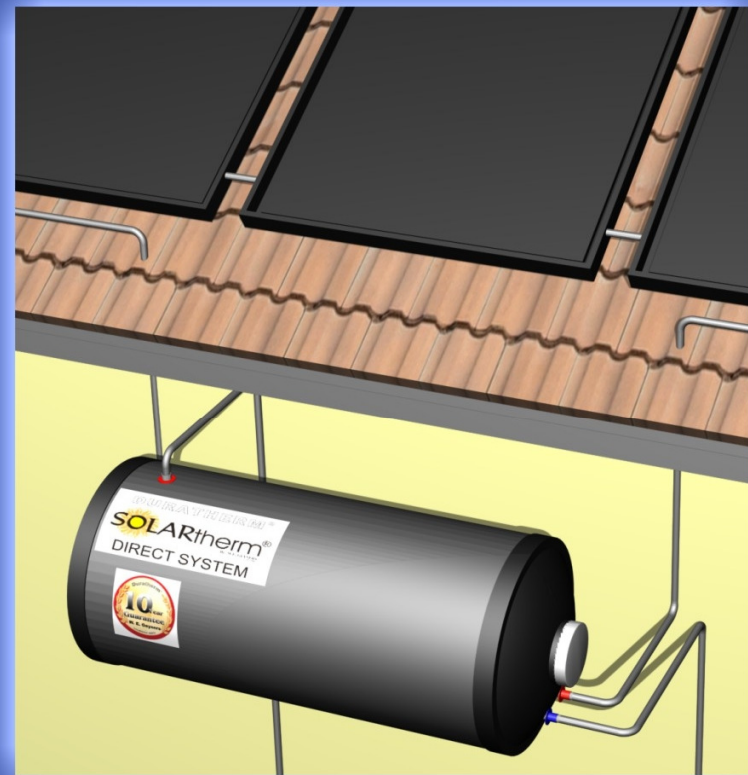
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 DURATHERM[®]

 **SOLARtherm**[®]
By: W.E. GEYSERS
(Pty) Ltd

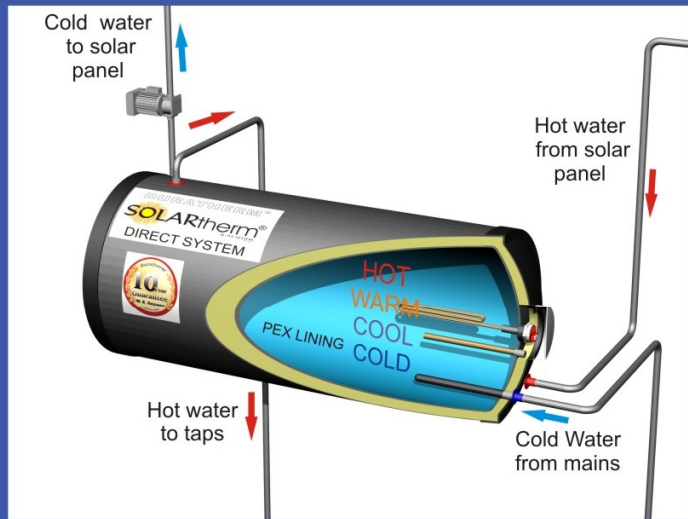
Since 1997, Duratherm has been in the water heating industry focusing mainly on domestic electric water heaters. Our Mission statement was clear and simple from the onset, and that was to produce products of the highest quality and that are technically advanced compared to competitors. Considering South Africa's harsh and diverse water conditions, we felt that something more advanced had to be employed for preventing corrosion, furthermore the old technologies also required maintenance in that the sacrificial anodes needed regular replacing. PEX (cross linked polyethylene) displayed the characteristics we were looking for from it's durability, resistance to chemicals and temperature, and it's proven performance in the piping industry.

To date, Duratherm has manufactured more than a quarter of a million units and PEX has proven it's superiority over the old methods of corrosion prevention whilst remaining totally maintenance free. This technology and experience has now been employed in our range of solar water heaters under the SOLARTHERM brand name. Solartherm is available in 100 ltr through to 300 ltr with a 450 ltr on the cards and in direct and indirect configurations. Our direct model has been available for the last 11 years and the need for a system in frost areas has led to the development of an indirect cylinder with removable heat exchanger. All Solartherm products are manufactured with the same materials and under ISO-9001/2000 conditions as are our Duratherm products. This enables us to offer a 10 year warranty regardless of water conditions.

Currently facilities are being set up to manufacture solar collectors with the same intention as the cylinders, Quality and technology.

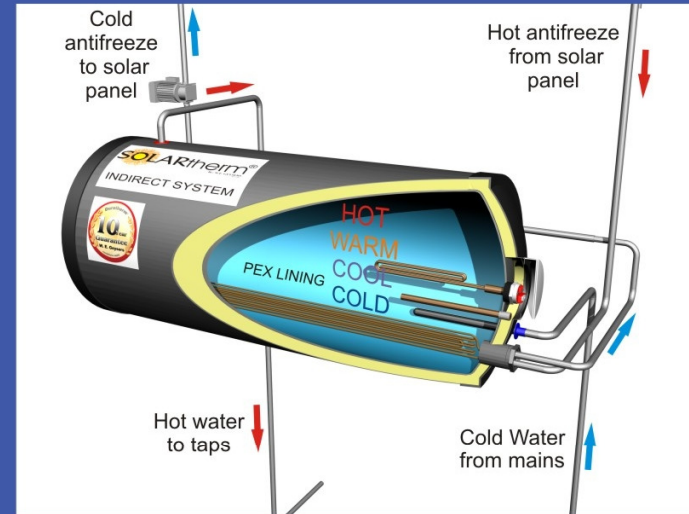
Solartherm is available ex-stock from most of our dealers and agents. Please call our head office for prices and availability

DIRECT SYSTEM



In a direct solar system, the water is heated by circulating water from the storage vessel through the solar panels. This can be done naturally via thermo-syphon or through a pump. The system is simple and cost effective however it must be noted that the pressure in the storage cylinder will be transferred to the panel which makes this unsuitable for some solar panels. This system is also not suited for areas where frost and very low temperatures occur because of the possibility of the fluid in the panels and pipes freezing. It must be noted that there are controls available that reverse warm water through the panel to prevent freezing, however this could be costly

INDIRECT SYSTEM



In an indirect solar system, the panel is filled with a glycol (anti-freeze) solution and this is pumped through a heat exchanger fitted in the storage cylinder. Through this system the potable water in the storage cylinder is separated from the fluid in the solar panels. Because of the glycol (anti-freeze) solution in the system, there is no risk of panels freezing and bursting in inclement weather. An added advantage is that the panels can be operated at nil to low pressures. This system is however more costly than that of a direct system.

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