

What is a Horse Solarium?

A Horse Solarium is a system of multiple large red lamps emitting Infra-Red (IR) rays.

IR is a form of heat radiation – not to be confused with Ultra Violet (UV) radiation, which provides a source of artificial sunlight for stable kept horses.

Better for Horses?

Solariums can help improve your horses performance and condition. The heat energy penetrates the skin into the underlying muscle and helps stimulate blood circulation, this improves muscle elasticity, therefore helping recovery from and reduction of injuries.

A pre exercise warm up under the solarium will relax muscles and improve training performance by increasing blood circulation.

Solariums help your horse to recover quicker after exercise as the stimulated circulation allows the muscles to absorb blood sugars more quickly and speeds up the elimination of waste products from them.

Solariums speed up the drying and warming process before and after exercise or washing down and will add shine to the coat.

As the UK's number one supplier of top quality equine products Kylix UK were approached by Carl Hester top International dressage rider. Following detailed discussions with Carl, Kylix UK developed the Maxuss (Pro*) to meet his exacting requirements providing the facility to treat and dry his string of top grade Grand Prix horses.

Why the Maxuss?

- The Maxuss and Maxuss Pro are our largest models and are built to the highest specifications with heat resistant, coloured polypropylene reinforced body
- The lamp positioning comprehensively treats a broader range of muscle groups
- The front, middle and rear sections are hinged and can be individually adjusted to any angle and size of horse
- A combination of 24 IR lamps (Maxuss) or 36 IR lamps (Pro*) of varying wattage and 6 air circulators to ensure an even temperature over your horse
- The lamps are mounted into aluminium back boxes set into the main body avoiding your horse making contact with the hot lamps
- The aluminium back boxes minimise corrosion and also heat loss into and behind the main body shell
- All lamp fittings are manufactured from quality ceramic, not thermo-plastic, giving greater longevity
- All internal wiring is fire resistant to 110°C
- As an option all solariums can be supplied with electrically operated, purpose built fully enclosed belt hoist systems with no exposed noisy chains or cables, UV lamps with timer and a range of control boxes
- 3600 Watt Maxuss 5600 Watt (Pro*) treatment and drying power
- Kylix UK provide a full installation and after sales service

*Maxus Pro (as designed for Carl Hester) incorporating 6 additional side modules



Energy Consumption

We are often asked about the costs involved in running the solarium. Below is an example of the cost calculations for both individual users and commercial yards.

Details

• Power Consumption	(P)	3.6kW Maxuss 5.6kW (Pro*)
• Session Time	(T)	20 minutes
• Power Costs	(£)	£0.09 (per kWhr)
• Calculation		$P \times (T/60) \times £$

Individual Users

Actual Cost = $3.6 \times (20/60) \times £ 0.09 = £0.11$ per session Maxuss

Actual Cost = $3.6 \times (20/60) \times £ 0.09 = £0.17$ per session (Pro*)

Commercial Yards

Livery Yards and other commercial stables can install an optional coin box that accepts sterling or slotted token coins. Alternatively Kylix can provide Smart Card, card swipe unit.

The following calculation is based upon the Maxuss model with sessions per day

Actual cost	$3.6 \times (20/60) \times £0.09 = £0.13$ per session
Average of seven sessions per day	@ £1.00 per session = £7.00 per day
Actual costs per day	$7 \times £0.13 = £0.91$ per day
Operating profit per day	£6.09 per day

Technical Specification of Maxus Solarium

Type	Maxus	Pro*
150 Watt IR	24	36
Air Circulators	6	12
IR Power	3600 Watt	5600 Watt
L x W x H in cms	240 x 130 x 80	240 x 210 x 80
Weight	40kg	70kg

Options (see Solarium Accessories Sheet)

Timer Control Box Control box with 30-minute timer
On / Off button for air circulator

Anky Control Box On / Off button and 30-minute timer for IR lamps
On / Off button for air circulators

On / Off button for additional lighting
Lift / drop button for solarium positioning

Lift Units Purpose built electrical lift unit to raise and lower solarium

Solarium Supports Specially designed mounting brackets, providing suspension of solarium in any situation

Coin Device Coin or token control boxes

Smart Card Smart Card, card swipe payment systems

UV Lights Medical quality UV lamps, can be provided for stable kept horses. We recommend a maximum of 2 lamps complete with separate UV timer unit

Extra Lights Additional protected fluorescent tube or halogen lighting counteracts shadowing underneath the solarium unit whilst giving additional lighting for clipping

Colour Please call us to discuss alternative colours

Warranty 12 months back to base warranty

A 20A **Type C** breaker needs to be installed to your distribution board (where capacity allows), together with a 32A rotary isolator adjacent to your final control box position



MaxuSS Thera with light therapy



Optional spring loaded tie posts



Maxuss Pro control box