



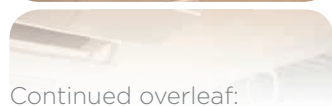
## HELO CASE STUDY - RUDDING PARK, HARROGATE

The development at The Rudding Park Hotel, Harrogate was the biggest spa project in the UK 2016/2017 and the biggest project installed by Helo UK.

Helo installed thermal rooms, pools and plant over three levels. Lap pool, hydro pool, roof top spa, Rasul, Pool side sauna, Panoramic sauna, Luxury steam room, three feature showers, foot spas and heated benches, ice fountain and herbal bath.

**WINNER**  
**SPA** OF THE  
**YEAR**  
AWARD 2017

Main image: Hydro Pool



Continued overleaf:





A

**A Lap Pool**  
 The 16.8m lap pool is for gentle lane swimming and relaxation with plenty of loungers around the perimeter. Finnish edge detail on three sides with easy access steps either end. The high specification pool filtration system has energy efficient pumps with variable speed drive, two 1400mm sand filters with air scour and automatic dosing with UV disinfection. The pool is filled with spa water from their own on site well.



A

**B Hydro Pool**  
 The 10.6m hydro pool is accessed from steps within the health suite and leads to an outdoor pool heated to 35C, with vanishing horizon edge detail to two sides over looking the hotel gardens. The water features include full pool width air lounge, water cannon for neck and shoulder massage, back massage jets, foot massage air jets and a fun "volcano". An automatic slatted heat retention cover maintains heat at night. Full of spa water and treated with UV to reduce chlorine and chemical levels.



B



C

**C Roof Top Spa**  
 4m stainless steel spa with air massage and back massage jets is located in the roof top garden. Excellent filtration system located in the basement plant area with energy efficient pumps, deep bed filters, auto dosing and UV providing crystal clear spa water heated to 38C.

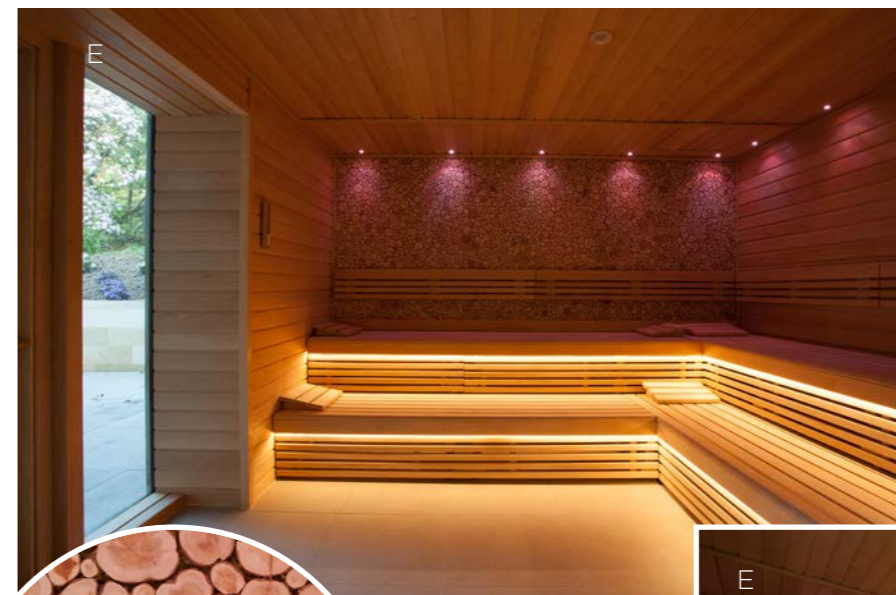


D

**D Rasul**  
 A four person Rasul with ante room is located on the lower ground floor. Finished in large format tiles with coloured epoxy grout, easily cleaned and suitable for the environment. The "mud ritual" is an automated experience to allow the muds to enhance the skin within a pleasant steam environment. Gentle colour change lighting enhances the warming, humid, drying and showering phases of the program.. This "pay for play" facility can also be switched to an additional steam room if needed.



B

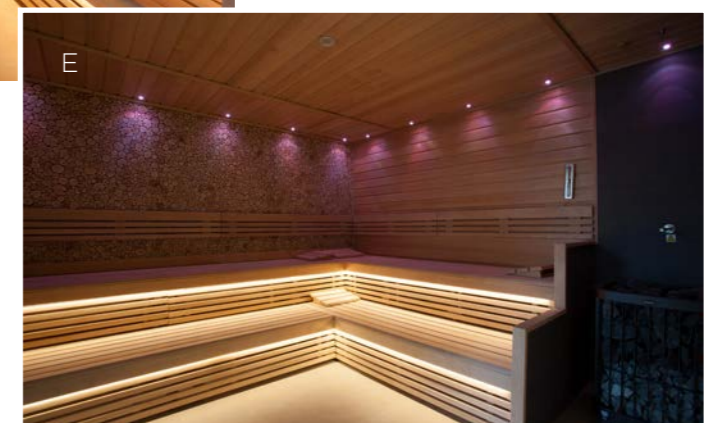


E

**E Poolside Sauna**  
 This large sauna is near the lap pool for use by regular, non-spa guests. It has a large glass front highlighting the juniper log wall at the back. A side door allow users to step outside immediately after the sauna for a cool bucket shower and walk in the fresh air. Large 24kw, Helo Saga heater with 200 kilo of rock for excellent radiant heat and infusion.



E wall detail



E

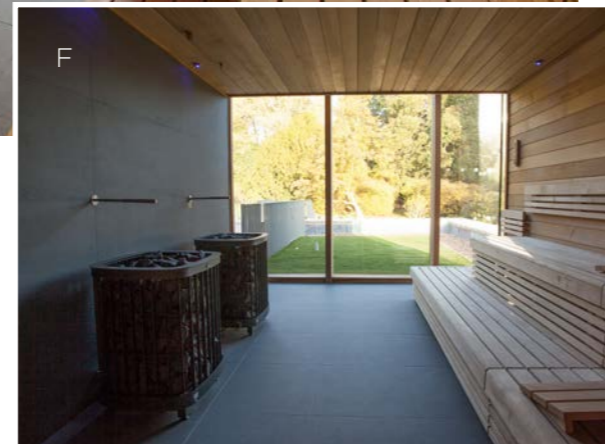




F

### F Panoramic Sauna

Beautiful large sauna enjoying views out to the hotel gardens. Two 21kw Helo Saga heaters with 400 kilos of rock. A blend of alder timber panels fitted horizontally to focus on the view and heaters. Wide benches for reclining. Dark ceramic tiles protect the heaters. Both saunas protected by a fire suppressant system.



F

### G Luxury Steam Room

Beautiful round steam room with domed ceiling. We have not counted exactly but estimate that there are around 150,000 individual mosaics in the room! Steam, fresh air and aromas fill the room from the central steam column. Fibre optic lighting with crystal ends are fitted in the ceiling and around the steam column. LED strip lights are fitted into the seat riser. Background heating to all seats for added comfort.



G



G

### H Feature Showers

Three feature showers are located on the ground floor health suite. Two either side of the herbal bath with sound plus lighting, rain and mist plus fragrance. One by the luxury steam entrance. Each feature shower has three programs providing warm, tropical rain with fragrance, cool mist with Icy Mint and combination cleansing shower for warming, cooling and massage. The programs are between 25-45 seconds for economic use of water but provide a memorable and pleasant experience.



H

### I Ice Feature

A decorative copper bowl and chute sits neatly in a mosaic tiled semi-circular recess. The ice in the bowl is lit from above and below. The ice level is automatically controlled by a sensor within the bowl so as to be permanently filled for the bather. The niche design matches the drinking fountain station opposite the luxury steam entrance.



I

### J Foot Spas

Four foot spas are provided with matching contoured bench. The ceramics are all Sommerhuber with the excellent radiant heat properties. Fully automated including sanitation and cleaning after each use. Warm and cool effects for the kneipp enthusiasts.



J



J



## ■ Behind The Scenes

### • Electrical Control Panel for Roof Top Spa

The electrical panel provides control, monitoring, precision for each pool or spa. At a glance the operator can see the performance of the filtration system and which water feature is selected. Any interruption to the system is immediately highlighted and a status or alarm signal sent to the spa reception.



The panel records power used plus the run time of pumps and blowers. As the filter pumps are alternated this will ensure maximum life for both pumps. The variable speed drives allow the filter and backwash flow rates to be precisely and optimally set for maximum efficiency. Spa temperature and the water level and both monitored and controlled.

### • Health Suite Plant Room

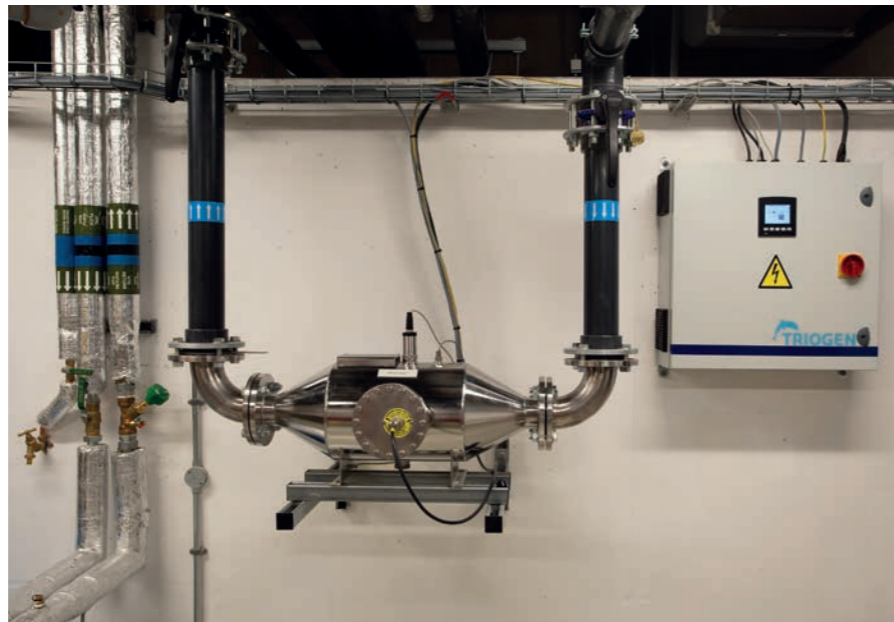
The health suite plant room is the control centre for all the ground floor thermal rooms and features. Containing automatic footbath massage and disinfection systems, steam wellness, panoramic sauna and infusion, herbal bath, feature showers and fire suppressant.

Clearly labelled for spa operators with clear and easy access for maintenance.



### • Ultra Violet System

The state of the art Ultra violet or U.V system is a highly effective disinfectant of the spa and pool waters. It is an environmentally friendly and economic process of providing safe, clear water. The U.V reactor vessel is self cleaning for prolonged effectiveness and life of the tubes. Chlorine levels in the pools are naturally reduced.



### • Main Pool and Hydro Pool Plant Room

The spacious plant room allows easy access to all the pool equipment for monitoring and control. Natural spa water from the on site borehole is pre-filtered and run through a small U.V system. The water is then automatically available to pools, spa and for drinking. The filtration system is clearly labelled and all valves numbered and scheduled...161 in total. Operation instructions are easy to follow, by numbers if required.





K



## HELO CASE STUDY - RUDDING PARK, HARROGATE

K



K



### K Herbal Bath

A lovely combination of gentle heat and humidity from a Bi-O-Max sauna heater. Theatre is added to the experience through regular sauna infusion of water and essence through a copper tray above the heater. Herbal essences are changing to suit the seasons. Seating is on the “floating bench” with a central “throne” tiled in gold effect mosaic.