

thermowave
PHE for process and industry

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Sparkling droplet – Rotkäppchen-Mumm champagne cellars

Freyburg is the center of the Northern German wine-growing region of Saale-Unstrut and hometown of the Rotkäppchen-Mumm champagne cellars.

Every year, more than 100,000 visitors are enchanted by the very special aura of Rotkäppchen-Mumm champagne cellars.

Since 1894, the traditional brand Rotkäppchen has been produced in the five-story rock cellars. Cooling processes are crucial in many steps of champagne and wine production – this is why the use of plate heat exchangers is essential.

thermowave convinced with a wide and variable range of gasketed and welded plate heat exchanger modules and a large assortment of plates and sealing materials. Since May 2012, three thermowave plate heat exchangers of the product lines thermoline and thermolineECO have been used in the Rotkäppchen-Mumm champagne cellars.

Technical data

Business Line:	Food & Beverage industry/Refrigeration
Application:	Process Cooling
Country:	Germany / Freyburg (Unstrut)
Refrigerant:	propylene glycol (35 %)
Product:	thermolineVario TL 250 FBGV thermolineVario TL 650 KCIL thermolineEco EL 250 EBGL

Both the thermoline TL 650 with a heat flux of 765 kW and the thermolineECO EL 250 with a heat output of 200 kW are used for cooling propylene glycol (35 %). By the evaporation of ammonia, propylene glycol is cooled down to a temperature of -10 °C. The thermoline TL 250 with a heat flux of 350 kW is used for the cooling of ethanol (40 %).

Using cold propylene glycol (-10°C), ethanol (40 %) is cooled down to a temperature of -8°C.

Since their initial operation, the three thermowave plate heat exchangers have provided a powerful support every day and have played a significant role for the production processes.

Fabr. no.	Media	Plate type	Gasket	Plate material	Gasketed	Modul-welded
FN 40854	PG 35% / ethanol	TL 250	NBR	1.4301	x	x
FN 40855	NH ₃ / ethanol	TL 650	CR	1.4301		
FN 40856	H ₂ O / PG 35%	EL 250	NBR	1.4301	x	x