

WATER COOLING UNIT

Cooling unit	C 59410	C 59430
Supply temperature	5-15 °C	5-15 °C
Volumen flow at max. supply temperature	10 m³/h	24 m³/h
Supply pressure - static	≤8 bar	≤10 bar
Return - Dynamic differential pressure	≥3 bar	≥3 bar
Amount of heat to be dissipated	110 kW	220 kW
ph-value	7 ±1	7 ±1
Dirt particle size	< 25 µm	< 25 µm
Water hardness - overall	< 1.4 mmol/l (< 140 ppm)	< 1.4 mmol/l (< 140 ppm)
Water hardness - carbonate	< 0.9 mmol/l (< 90 ppm)	< 0.9 mmol/l (< 90 ppm)
Hose connection - Nominal width supply/return	32 mm	40 mm
Total mass	550 kg	620 kg
Dimensions WxHxD	600 x 2140 x 970 mm	800 x 2140 x 1000 mm

FEATURES

- Water cooling for shakers 55 to 300 kN
- includes the complete primary circuit of shaker cooling system for the TIRA water-cooled shakers and the hydraulics of the shaker's hydrostatic bearings
- Extraction of the heat is carried out by a customer-provided secondary-process water circuit
- Monitoring of the circuits by several pressure gauges and flow meters
- Controlled by PLC and multifunctional display
- Connections to the shaker are accomplished by hoses with self-sealing couplings that are free from leakage.
- Closed primary circuit
- Integrated demineralisation and conductance monitoring
- Water consumption is reduced by regulation of process water flow
- Front and side walls are designed with swing doors for a good accessibility to all components
- Designed as compact mobile device



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