

Mixing Cooler



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For cooling hot waste water (boiler water from blowdown and desalination processes)

The prescribed temperature for discharge into the public sewage networks is a maximum of 40°C (depending on the country).

A mechanical temperature controller regulates the flow rate of the cold water required for cooling. The waste water cooled to the target temperature is discharged into the waste water network as waste. The design and construction of the mixing cooler are carried out in consultation with the plant representative and in consideration of the local conditions.

- Compact design
- Smoothly controlled cold water supply
- No thermal shocks
- Includes controller without auxiliary power

Mixing coolers for cooling hot waste water – **we handle it!**

Flash Vessel



Flash Vessel

To use the re-evaporation energy

The re-evaporation is fed into a steam network that is operated at a lower pressure than the injected condensate. Condensate flash vessels are ideal components for increasing energy efficiency in industrial plants that require different steam and condensate pressures for production.

Function: The incoming high-pressure condensate automatically expands in the flash vessel to the lower pressure level of the downstream consumer. The resulting re-evaporation is supplied to the consumer in terms of energy.

The remaining low-pressure condensate is fed via a float steam trap, ARI-CONA® S, to the steam and condensate circuit or to another flash vessel.

- Reduced operating costs
- CO₂ saving
- Effective use of relaxation energy

Flash vessel – **we handle it!**