

	Water Quality Guidelines for cooling- and heating water circuit	Technical Instruction No.: Datum:	040-747 22.07.2015
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1. Scope:

This instruction represents a recommendation for cooling- and heating water circuits.

2. Recommendation:

At cooling- and heating water circuits and high media temperatures, high water hardness could induce high wear at the Union seal rings and could lead to precipitation of calcium particles.

For these reasons, DEUBLIN recommends the following boundary conditions for the media inner the cooling- and heating water circuits:

Description	Value	Unit
Filtration	60	µm
pH – value	7 – 8,5	-
Max. particle concentration	150	mg/l
Electrical conductivity	10 – 1400 ¹⁾	µS/cm
Water hardness	5 – 15	dH
Alkalinity	50 – 150 ¹⁾	mg/l
Max. Fe concentration	0,1	mg/l

¹⁾ The upper limit can be adjusted if necessary by the machine supplier in the range of the existing guidelines according to the requirements and the used materials.