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## Specification limits for the GALDEN® media

The use of heat transfer (HT = heat transfer) does not require a defined boiling point. The Galden® LS and HS types are manufactured with a specified boiling range, the molecular distribution of the product is narrower (of course also more complex) and therefore better suited for the VPS process. To get an overview of the specifications, I have collected the available data. The distillation range is the temperature range in which the distillation is carried out.

First the data of the Galden® HT types:

Product type	Distillation range (10 - 90%)	Boiling range
HT135	No specification	129 – 141°C
HT170	No specification	Min 161°C
HT200	No specification	190 – 202°C
HT230	No specification	Min. 220°C
HT270	No specification	No specification

You can see that no boiling range is specified for Galden® HT 270! The HS product must be used in any case at high temperatures.

The following limit values apply to the Galden® LS / HS types:

Product type	Distillation range (10 - 90%)	Boiling range liquid	Vapor boiling range
LS200	196 - 212°C	195 – 202°C	194 - 200°C
LS215	211 - 223°C	213 – 220°C	212 – 218°C
LS230	222 – 235°C	228 – 235°C	227 – 233°C
HS240	237 – 250°C	238 – 245°C	237 – 243°C
HS260	256 – 273°C	261 – 268°C	260 – 266°C

The distillation range gives an indication of the breadth of the molecular distribution. So are for Example for the Galden® LS215 distilling 10% of the amount at 211 ° C, at a temperature of 223 ° C 90% of the amount is reached. The boiling range is the corresponding temperature of the vapor phase. It is normal for the boiling point to rise due to evaporation of the low molecular weight fractions with prolonged use. There are no new indications for this phenomenon. It cannot be ruled out that this is accelerated, especially by the steam overheating.

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