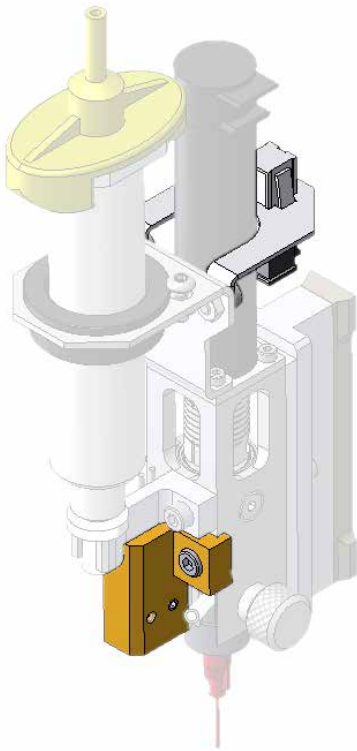


MICROSCREW HEATER



The MICROSCREW Heater enables to support dispense processes with temperature by heating up and hold the media temperature on a specific value. Thus, the viscosity of the media could be kept on a constant value independently from the environment temperature.

This module could be integrated in the MICROSCREW and could be heated up to 180°C.

Article Number 300.09.119

Technical Specifications

Electrical Power	40 W
Temperature Range	+30 °C ... +100 °C
Temperature Stability	0.044 °C
Temperature Accuracy	0.25 °C
Heating Rates	0.94 K/s (Average Slope) @ max. 80°C 25 °C to 80 °C ~ 58.0 s
	0.77 K/s (Average Slope) @ max. 60°C 25 °C to 60 °C ~ 46.0 s
	0.62 K/s (Average Slope) @ max. 40°C 25 °C to 40 °C ~ 25.0 s

Heating Rates

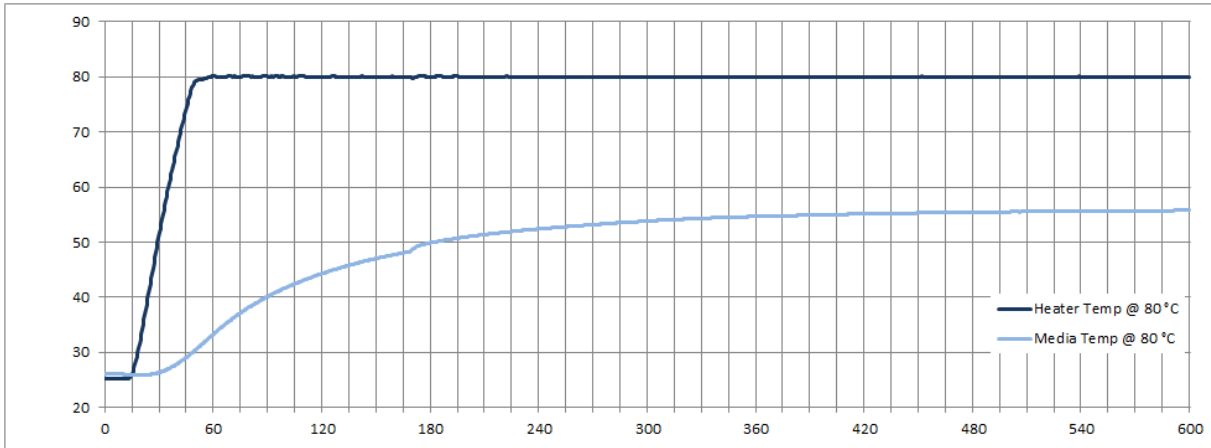


Table 1: Ramp-up diagram @ target = 80 °C

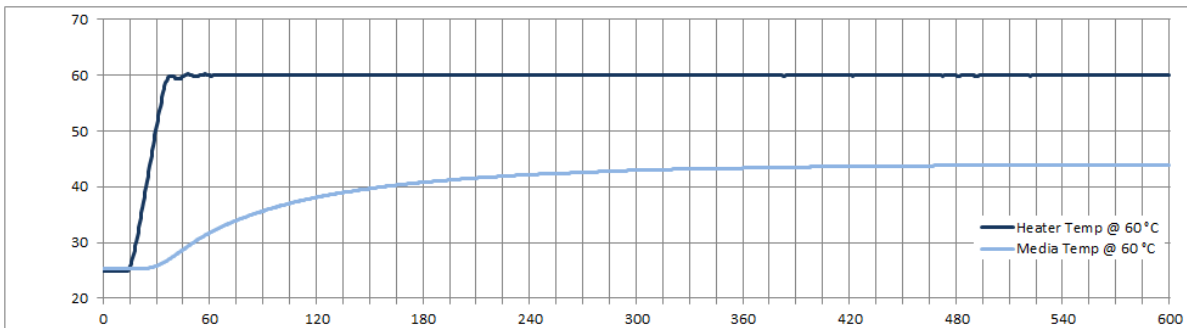


Table 2: Ramp-up diagram @ target = 60 °C

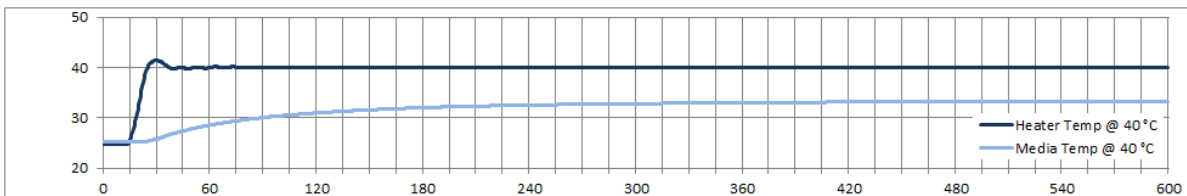


Table 3: Ramp-up diagram @ target = 40 °C

The media temperature in the diagrams above are base on grease and is measured at the media inlet. It is dependant from the consistency of the media as well as from the flow rate. The heating rate of the media always needs to be determined with the individual media used.