

# Case Study

## JULABO FP55-SL

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### Performance of JULABO FP55-SL with a 35 liter Reactor

#### Objective

The objective of the test was to determine the highest and lowest temperatures achievable in a double jacketed 35 liter glass reactor (QVF).

#### Test Conditions

JULABO unit	FP55-SL (400 V / 3 ph / 50 Hz)
Application	35 liter double jacketed glass reactor by QVF
Ambient temperature	21 °C
Bath fluid	Thermal H5
Fluid in the reactor	Thermal H5
Specific Settings	External Temperature control via Pt100 sensor Remote Control of the FP55-SL via PC and EasyTemp Professional

#### Test Results

	TEMPERATURE RANGE	TIME
Heat-up-time	-43 °C ... +92 °C	3 h 05 Min.
Cool-down-time	+92 °C ... +20 °C	1 h 05 Min.

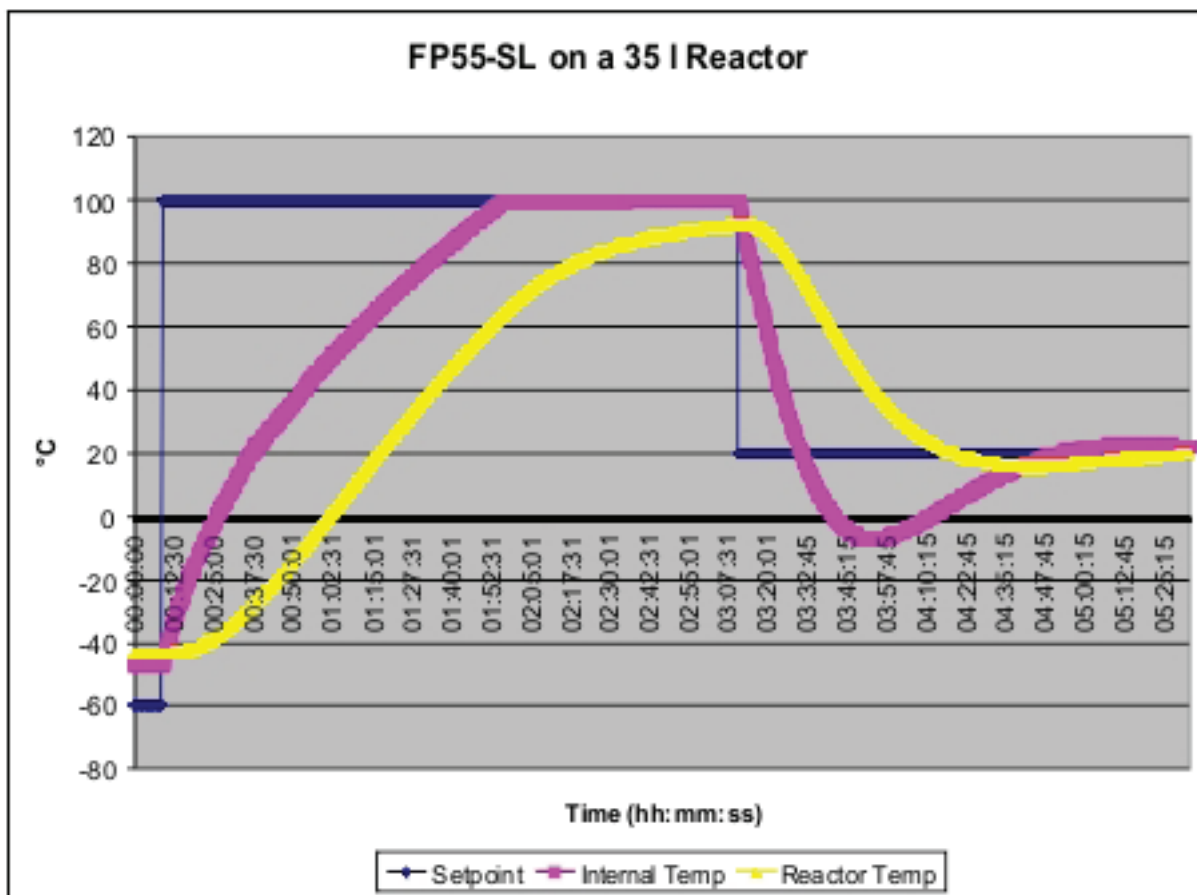
The lowest temperature reached inside the reactor was -43.63 °C  
The highest temperature reached inside the reactor was +92,40 °C



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