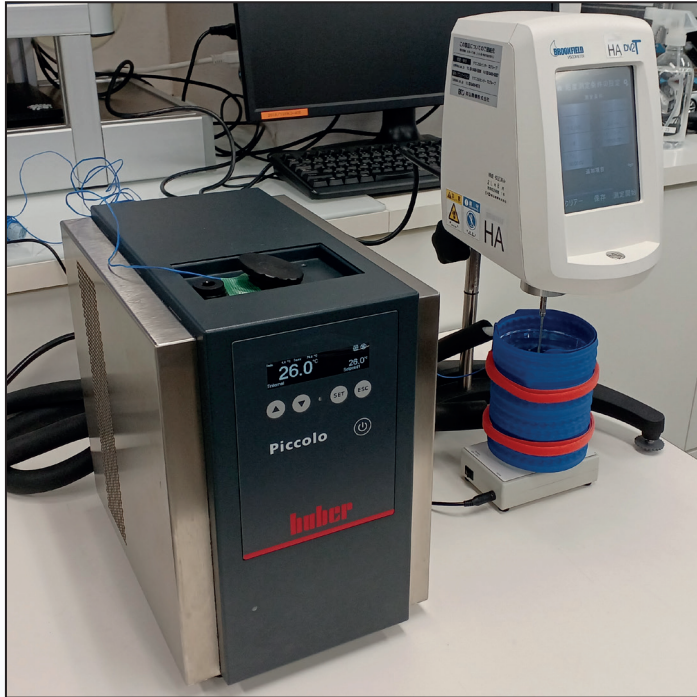


# Piccolo 280 OLÉ

The temperature stability evaluation in case of using a nylon-made fluid pad



**Requirement**

This case study demonstrates the stability of temperature performance of a Piccolo 280 OLÉ connected to a flexible nylon jacket which wraps a glass beaker.

**Method**

The Piccolo and the jacket are connected using two 1.0-meter insulated silicone hoses. The jacket is wrapped around a beaker contains 500ml of water which substitute viscometry sample. The beaker content is stirred by a magnetic stirrer and the viscometer spindle is immersed in it.

**Setup details**

**Unit**

Temperature range: +4°C...+70°C  
 Cooling power: 0.28 kW @ +20°C  
 Heating power: 0.62 kW @ +20°C  
 Hoses: 2x1.0 m; ID 6.0 mm silicone

**Glass beaker**

Sample content: 0,5 l water  
 Type: Glass beaker in a flexible nylon jacket

**Test conditions**

HTF: Water  
 Stirrer speed: 100 rpm (Magnetic stirrer)  
 Room temperature : 24°C

**Results**

**1. Stability**

Temperature stability of sample was +/-0.4 K at +25°C. This is ideal solution for temperature control of sample in beaker.

