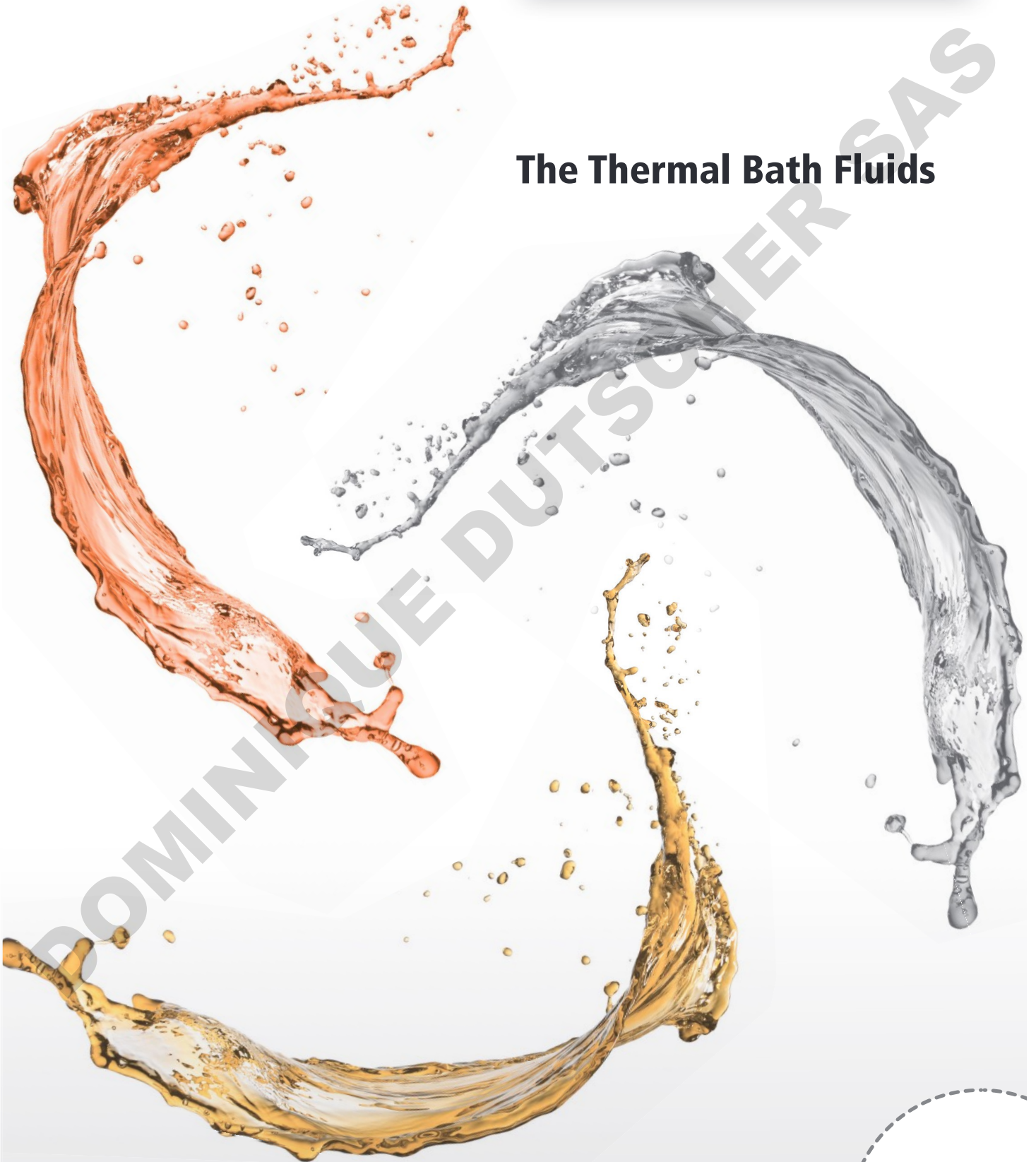


Julabo
THE TEMPERATURE CONTROL COMPANY

The Thermal Bath Fluids



ENGLISH

General information

on JULABO Bath Fluids

JULABO Thermal Bath Fluids are carefully chosen and long-term tested media. They are highly suitable for temperature applications in JULABO units and guarantee safe and reliable operation.

JULABO Thermal Bath Fluids based on silicone...

...are chemically inert substances which do not affect metals like iron, copper, zinc, aluminum, chrome or nickel. Compared to other fluids, JULABO Thermal fluids have an extraordinarily low electrical conductivity. When properly stored, the fluid will keep for at least 12 months as they are not susceptible to climatic influences. When used properly, minimal cracking and oxidation degradation will occur ensuring a long fluid life. When operating fluids at temperatures close to the recommended limits, visually inspect and/or exchange the fluid every 2-3 months. Some JULABO bath fluids based on silicone contain a stabilizer to delay oxidation and thus increase the lifetime of the oil.

Do not use with silicone hoses! Silicone based bath fluids can swell and dissolve silicone hoses. Therefore use JULABO metal tubing or JULABO Viton tubing or JULABO PTFE tubing for the temperature control of external systems.

JULABO Thermal Bath Fluids based on water-glycol...

...(Monoethylene glycol with anti-corrosion additives) have excellent thermal characteristics and a low viscosity. In addition they provide anti-freeze protection, i.e. they can be applied at temperatures below the freezing point of water.

Observe the mixing ratio! When using water-glycol based bath fluids, the mixing ratio of water to glycol must be checked on a regular basis (50:50). In case of an increased glycol content, the liquid may become flammable. Conversely, an increased water content may cause the liquid to freeze at low temperatures.



-100 °C

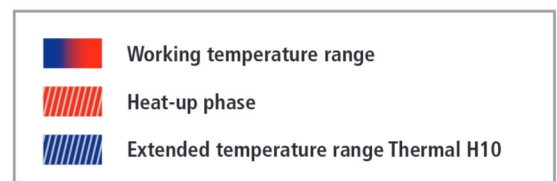
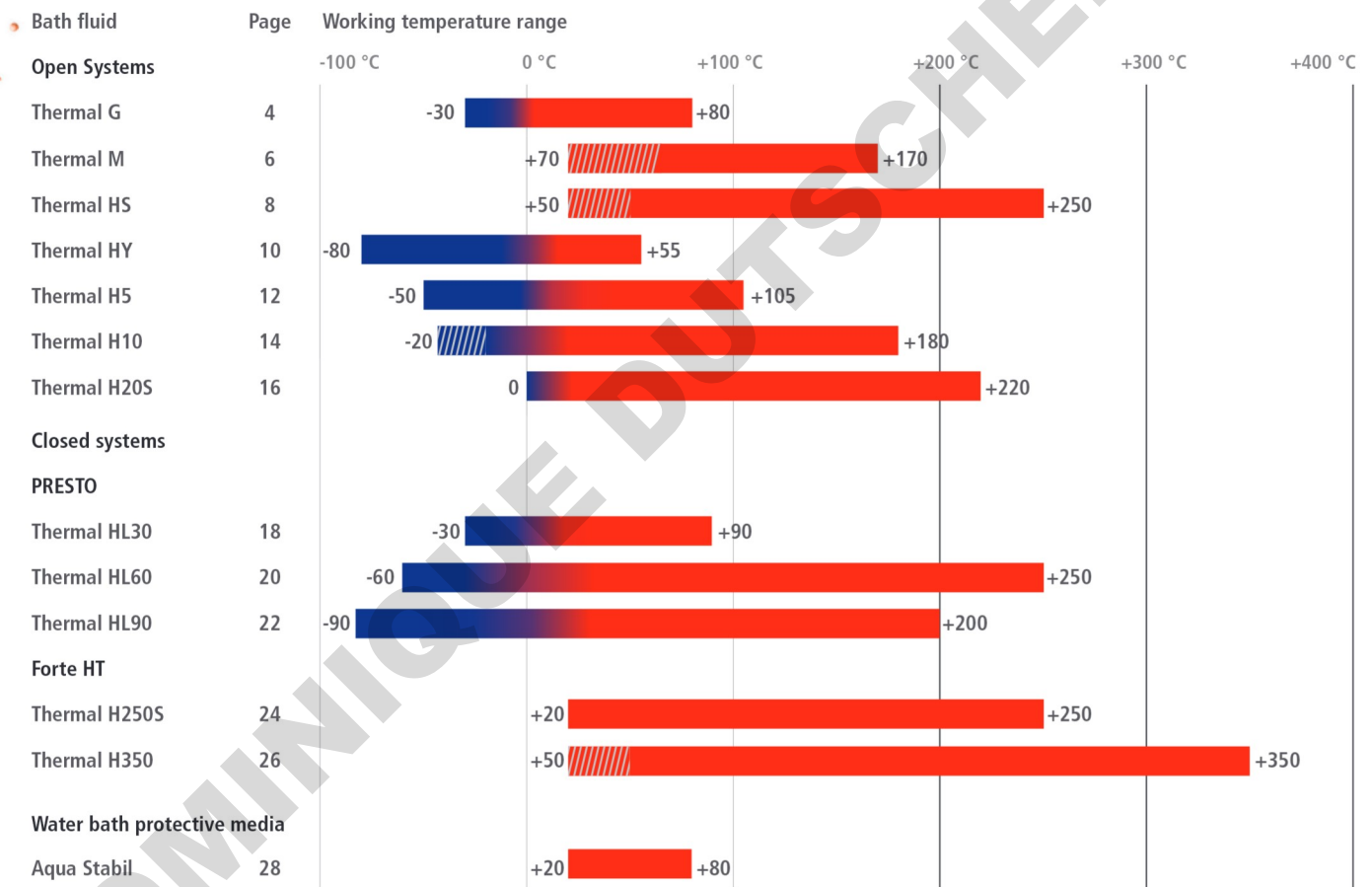
0 °C

+100 °C

Content

Which Bath Fluid do I need?

The choice of the suitable bath fluid is crucial for optimal temperature control results. The most important criteria for your reliable choice is the working temperature range in which you operate your application. All other properties of the JULABO Thermal Bath Fluids like viscosity, oxidation behavior and heat conductivity are ideally matched for their use with JULABO temperature control instruments. If you need assistance when choosing the bath fluid, a JULABO expert will be glad to support you.



+200 °C

+300 °C

+400 °C