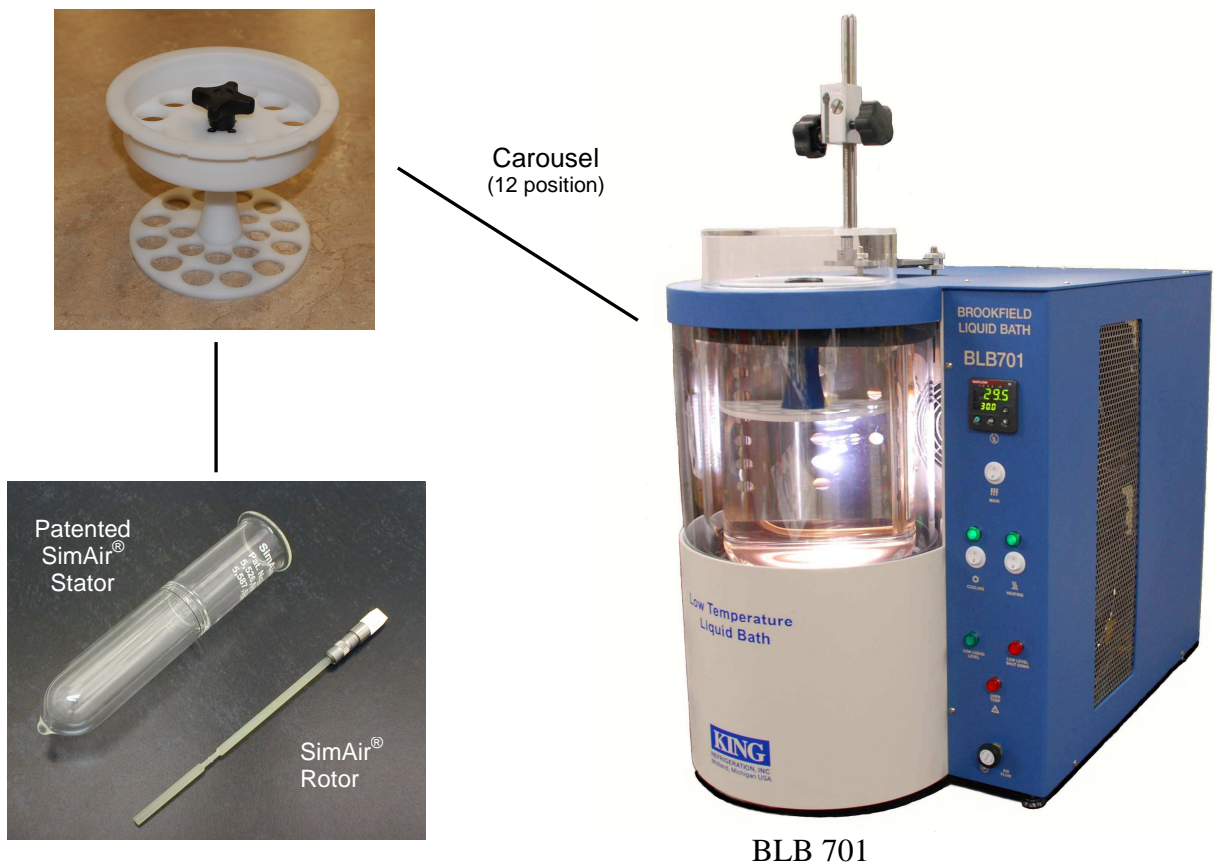


The SimAir[®] Cell for ASTM D 2983

Simple, precise, and faster data acquisition for low-temperature analysis of ATF's, gear oils, and hydraulic fluids – “*first major method improvement since the development of the method 45 years ago!*”*

Notable Advantages:

- The SimAir[®] Cell simulates the cooling rate of the air bath (see graph on reverse)
- Liquid bath is held at the desired test temperature
- Each SimAir[®] Cell is independent and can be added at any time for a complete analysis – no need for grouping samples unless desired
- Improved precision, rapid turn-around time, and ease of analysis
- Available exclusively with *Tannas SB+2* and *King Refrigeration BLB* liquid baths.



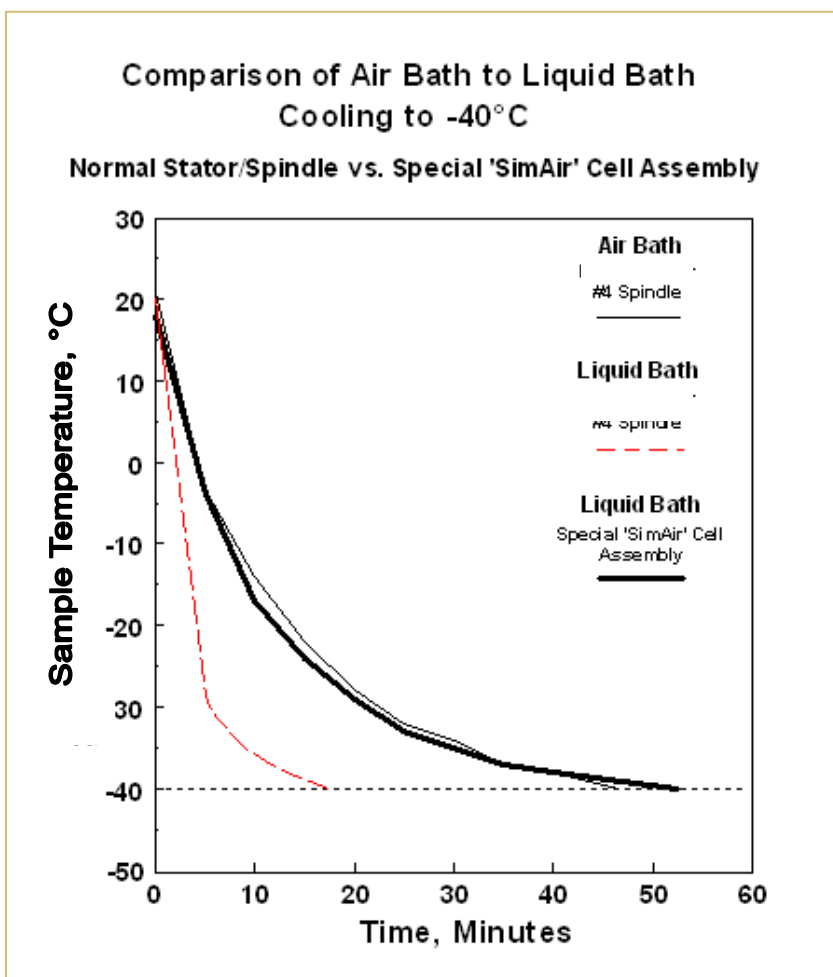
* Statement by the original developer of the Brookfield Viscosity method – Reference paper: “Automatic Transmission Fluid Viscosity at Low Temperature”, SAE Transactions, Vol. 68, pp 457-467, 1960.



Principle:

The patented SimAir[®] cell containing the sample is immersed in a liquid bath held at the exact temperature desired for final analysis. With no bath cooling program, the SimAir[®] cell modifies heat transfer to the sample and closely simulates the cooling influence of the air bath – permitting the sample to develop the same viscometric characteristics as in the air bath at cooling rates of greater than 60°C/hour.

This graph clearly demonstrates the effectiveness of a liquid bath in simulating air bath results when using the patented Tannas D2983 SimAir[®] Test Cell... meeting Annex 2 cooling rate requirements of ASTM D2983.



The SimAir[®] Test Cell is patented by Tannas Co. If there are any questions on the equipment accepting their use, please contact us at 989-496-2309.