

Areometer

Instructions for Use



Antifreeze Determination of TYFOCOR[®] L- Water Mixtures

Fill the liquid to be checked into the measuring cylinder and bring it to +20 °C.

Draw the areometer from the protective container and immerse it into the fluid. Make sure that the areometer does not touch neither the walls nor the bottom of the measuring cylinder. Add some more liquid if necessary.

Read off the density value (g/cm³) at the liquid level and find the corresponding freezing point as listed below.

TYFOCOR [®] L		
Density at 20 °C	TYFOCOR [®] L Concentrate [% v/v]	Freezing point
1.023	25	- 10 ° C
1.029	30	- 14 ° C
1.033	35	- 17 ° C
1.037	40	- 21 ° C
1.042	45	- 26 ° C
1.045	50	- 32 ° C
1.048	55	- 40 ° C
1.055	100 (concentrate)	< - 50 ° C

Freezing point: initial formation of ice crystals occur at this temperature.

A minimum concentration of 25 % v/v must be observed for aqueous TYFOCOR[®] L solutions when used for cooling and standard heating purposes. In solar heating equipment, a lower application limit of 40 % v/v must be kept.



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