

Name of organization Aker Arctic Technology inc		Year of information updating 2021
Year established 2005		Year of joining the ITTC 2005 (1975)
Address Merenkulkijankatu 6, 00980 Helsinki		Status in the ITTC Special Committee on Ice AC member
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Type of facility Ice Tank	Year constructed/upgraded 2005	
Name of facility Aker Arctic Ice Tank	Location (if different from the above address)	
Main characteristics (dimensions of tank/basin/test section; for simulators: full mission, part task or desk top) Total length 75 m, beam 8 m, depth 2.1 m. There is a removable bottom for shallow water tests.		
Drawings of facility Top and side - view plan		
<p>The image contains two technical drawings of the facility. The top drawing is a plan view showing a total length of 75 m, divided into a 60 m Test Basin and a 15 m Primary Basin. It also shows a Melting Basin at the left end, Bottom Windows along the length, and a beam width of 8 m. The bottom drawing is a side view showing Side Windows along the length and a depth of 2.1 m.</p>		
Detailed characteristics Measuring carriage, speed range 0-3 m/s Work carriages, speed range 0-1.5 m/s Underwater carriage Model ice: Model ice at Aker Arctic is Fine Grained FG(X) ice. Thickness range 10-150 mm. Flexural strength range 10-100 kPa		

Applications (Tests performed)

All kind of ship and structure tests in ice. Also in shallow water.

Published description (Publications on this facility)

<https://akerarctic.fi/app/uploads/2019/04/50-Years-of-Ice-Model-Testing.pdf>