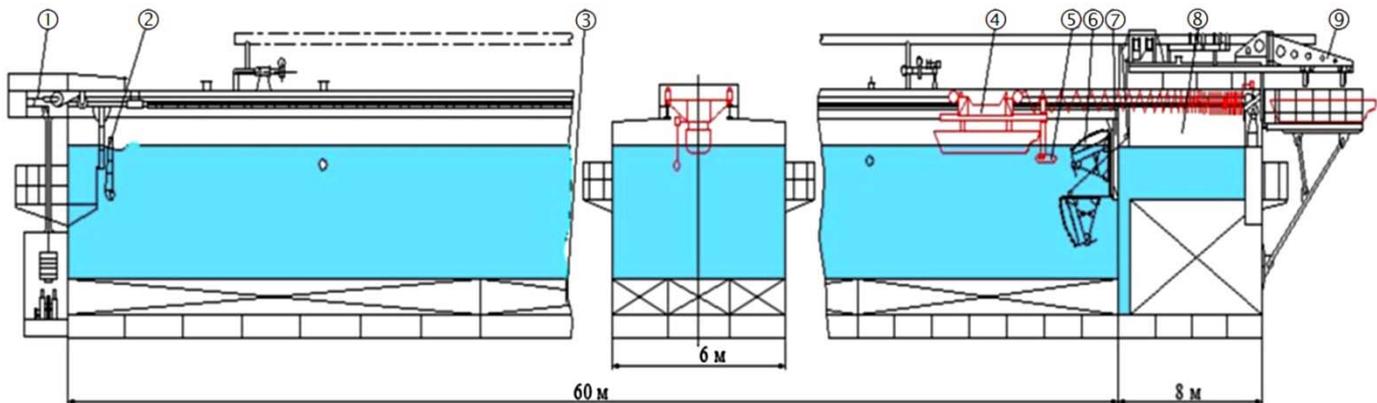


<b>Name of organization</b> <i>Krylov State Research Centre</i>		<b>Year of information updating</b> <i>2016</i>
<b>Year established</b> <i>1894</i>		<b>Year of joining the ITTC</b> <i>1955</i>
<b>Address</b> <i>196158 St. Petersburg, Russia, 44, Moskovskoye shosse.</i>		<b>Status in the ITTC</b> <i>member organization</i>
<b>Contact details</b> (phone, fax, e-mail) <i>phone: +7 (812) 415-49-41</i> <i>fax: +7 (812) 415-49-41</i> <i>e-mail: 10_otd@ksrc.ru</i>		<b>Website</b> <i>www.krylov-center.ru</i>
<b>Type of facility</b> <i>Cavitation tank</i>	<b>Year constructed/upgraded</b> <i>1962</i>	
<b>Name of facility</b> <i>Cavitation basin</i>	<b>Location</b> —	
<b>Main characteristics</b> (dimensions of tank/basin/test section; for simulators: full mission, part task or desk top) <i>Length – 60 m, Width – 6 m, Depth – 3.7 m; for simulators: full mission</i>		
<b>Drawings of facility</b>		
 <p>1 - the device of tension of a rope; 2 - wave generator; 3 - bottom tanks; 4 - unmanned carriage; 5 - the camera in underwater boxing; 6 - wave absorber; 7 - dock gateway; 8 - dock; 9 - cargo boom</p>		
<b>Detailed characteristics</b> (carriages, wave/current/wind generators, instrumentations, etc.)		
<i>Description of carriage: unmanned carriage</i>		
<i>Maximum carriage velocity: 6 m/s;</i>		
<i>The minimum pressure on a free surface - 0.03 Pa</i>		
<i>Is available wave generator: Height of waves 0,025 ÷ 0,2 m;</i>		
<i>Length of waves 1,5 ÷ 10,0 m.</i>		
<i>The sizes of tested models: Length (surface models) 1 ÷ 6 m.</i>		
<i>Diameter of propellers 0.1 ÷ 0.25 m</i>		
<b>Applications</b> (Tests performed)		
<ol style="list-style-type: none"> <li>1. Towing tests.</li> <li>2. Captive tests of self-propelled models.</li> <li>3. Tests of isolated propulsors.</li> <li>4. Tests of surface-piercing propellers.</li> <li>5. Tests of isolated foil systems.</li> <li>6. Tests of side thrusters and control surfaces.</li> <li>7. Investigation of blade systems in waterjet units with above-water jets.</li> </ol>		
<b>Published description</b> (Publications on this facility) —		