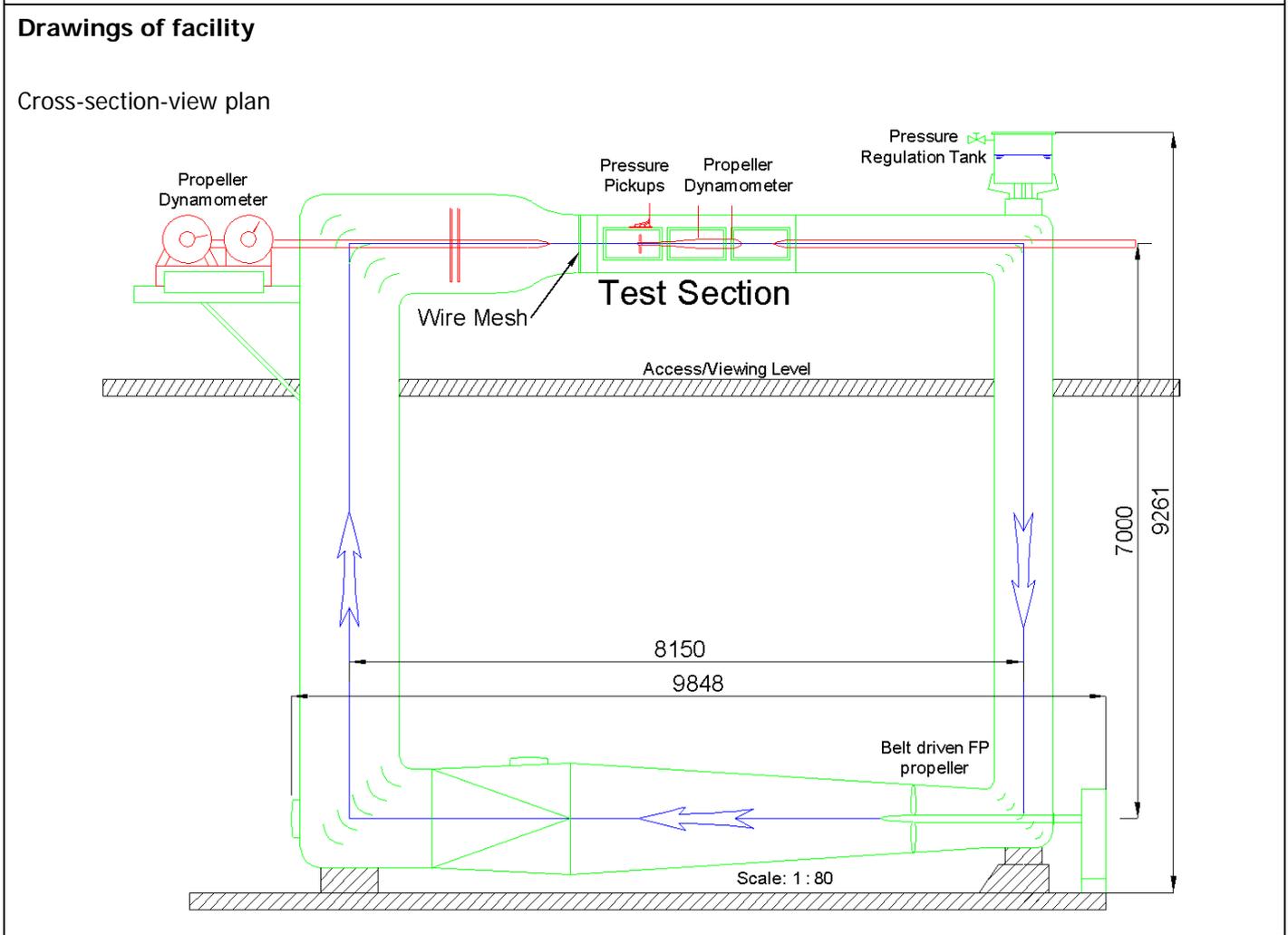


Name of organization Schiffbautechnische Versuchsanstalt in Wien GmbH – Vienna Model Basin Ltd	Year of information updating 2016
Year established 1912	Year of joining the ITTC 1932
Address Brigittenauerlände 256, A-1200 Vienna, Austria	Status in the ITTC Advisory Council Member Advisory Council Chairman
Contact details (phone, fax, e-mail) Phone: +43 1 330 37 32 Fax: +43 1 332 93 85 E-mail: sva@sva.at	Website http://www.sva.at

Type of facility Cavitation Tunnel	Year constructed/upgraded 1980
Name of facility Cavitation Tunnel	Location (if different from the above address)

Main characteristics (dimensions of tank/basin/test section; for simulators: full mission, part task or desk top)
Hydrodynamic dimension of tank: 8.15 m x 7.00 m [L x H],
Test section 710 mm x 710 mm x 2200 mm [B x H x L]



Detailed characteristics (carriages, wave/current/wind generators, instrumentations, etc.)
Cavitation Tunnel Kempf & Remmers K22
 Description of tunnel: Depressurized propeller cavitation tunnel
 Type of drive system: Belt driven fixed pitch propeller
 Maximum water tank speed at test section: 12 m/s
 Wake field simulation: Wire mesh & dummy body
 Test section pressure range: 0.1 – 1.0 bar

Instrumentation

Atmospheric barometer, mercury manometers, pilot probes, piezo electric pressure pickups, thermometers, stroboscope, electronic dynamometer, manual dynamometer, electronic FFT analyser, photo and video cameras.

Applications (Tests performed)

Cavitation observation at correct cavitation number, pressure pulses in cavitating and non-cavitating conditions, cavitation inception tests, thrust breakdown test, tandem propeller cavitation, tandem propeller open water test, jet propulsor open water tests, nozzle propeller cavitation tests

Published description (Publications on this facility)