IMPULSE TEST STAND
FOR COOLERS

BLUM
NOVOTEST

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The impulse test stands are used to perform life-cycle tests for coolers.
In addition to various pressure functions, the specimens are subjected to different temperature ranges. In this context, customer-specific requirements such as rated outputs, type of temperature control and rapid alternation of specimens are taken into account.

Test chamber

Hydraulic unit

Technical data

Test fluid	clear water, water/glycol mixture, ethanol
Impulse volume	up to 2 litres, depending on pressure and elasticity of the specimens
Pressure functions	up to 50 bar (also for higher pressures on request) Function sequence: Trapezoid | Sinusoid | User-defined Frequency: up to 2 Hz depending on impulse volume Automated adjustment of minimum vapour pressure
Temperature chamber/medium	maximum temperature up to 150 °C Temperature gradient up to 3 °C/min Optional: Minimum temperature of the test chamber -40 °C
Flow type for specimens	with continuous through-flow of up to 40 l/min without through-flow with cyclical through-flow (time-controlled/temperature-dependent)
Test set-up	Mounted directly in the chamber with support structures Removable frames (assembled outside the test chamber on mobile support frame with quick connection)
Test connections	optional: Subdivision into multiple test circuits