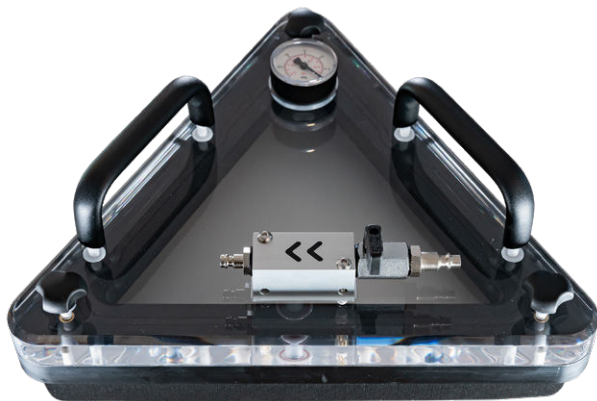




Product Data Sheet

Vacuum Box BAV40IC



The BAV40IC is an NDT vacuum box designed for internal right-angle corners, tailored for leak testing 90° internal corner welds, such as inside mechanically welded assemblies, tanks, containers, on the corners of flat roofs, terrace roofs with waterproofing membranes, and more. Its interchangeable base offers great flexibility for inspecting different surfaces and weld configurations, enabling rapid leak detection.

The BAV40IC is a vacuum box, also known as a bubble box, specially designed for checking the tightness of internal right-angle corners (**configuration 3**), for example:

- Mechanically welded assemblies
- Ship tanks
- Waterproofing membranes for roofs, flat roofs, or terrace roofs
- Any other right-angle surfaces (metallic or non-metallic) where a pressure gradient can be applied



Its two-part design consisting of the main body and an interchangeable base addresses the challenges of equipment maintainability (maintenance), versatility, and ensures good readability of indications (height of the viewing window).

Our vacuum box can operate either by compression using the venturi system or by suction using our specially adapted optional vacuum pump.

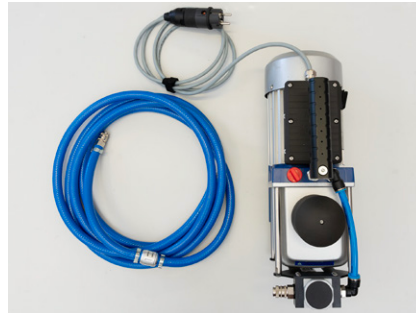
Vacuum Box BAV40IC

Options



Hardened transport case

To safely transport your vacuum box, we offer a hardened transport case with a machined imprint in the shape of the vacuum box to prevent any movement.



Vacuum pump PAV-2209

To use the vacuum box in suction mode with a vacuum pump. We offer a customized 220V 9CFM pump adapted for field conditions. It includes a 2-meter pneumatic hose with our innovative flow regulation and rapid depressurization



Gauge with calibration certificate

We standardly provide a CE-certified but uncalibrated gauge. Therefore, we offer an option of a calibrated gauge with a verification certificate for your standardized inspections.

TECHNICAL SPECIFICATIONS

Details

Dimensions	490 mm x 270 mm x 130 mm
Weight	4200 g
Materials	Main body: Aluminium alloy, Plexiglas Base: Plexiglas, closed-cell foam
Gauge	-1 Bar
Vacuum Generator Type	Hybrid system: - Venturi Effect: Requires a compressor of 10m ³ /hour at 8 bar - Vacuum pump (optional)
Foam Type	Closed cell foam
Foam Height	35 mm
Foam Hardness	40/50 Shore 00