

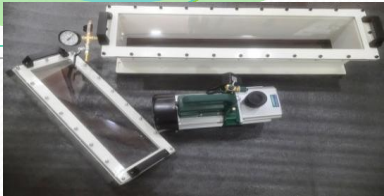
Flat bottom vacuum Weld Leak Test box bubble leak testing

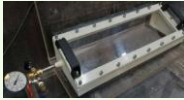
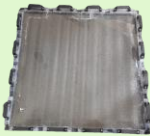
WITH LED LIGHTS

The BHFTECH vacuum box has been designed for the operators according to API 650/653 recommendations. Bubble leak or vacuum box testing is an integral part of tank inspections as required by the American Petroleum Institute (API) and other international standards associations to establish the condition of tank bottom plate welds and shell-to-bottom plate welds

Designed to API 650/653 recommendations

750 mm (29.53 in) weld inspection length, improves inspection times and reduces operator fatigue. Integrated LED lights provide the required light intensity as specified by API and ASME inspection standards. Screen glare and shadows from external light sources are eliminated. Calibrated vacuum relief valve ensures the correct vacuum is generated, too high a vacuum can damage the vacuum box and cause injury to the operator Superior build quality with robust body. Two-stage seal design to improve initial vacuum, especially on large lap welds. Electric vacuum pump or compressor driven



	Model No	Runs on Vacuum Pump and Compressor	Dimensions:
Flat Bottom Weld Test box for testing butt welds on flat surfaces 	BHFFB30-LE With Battery Backup LED Light		30.00" L x 8.00" W x 1 1/2" H 800 mm x 200 mm x 35 mm
	BHFFB30-L With Battery Backup LED Light		30.00" L x 8.00" W x 6" H 800 mm x 200 mm x 150 mm
	BHFFB40-L With Battery Backup LED Light		40.00" L x 8.00" W x 6" H 1000 mm x 200 mm x 150 mm
Inside Corner Weld Test Vacuum Box Bubble Leak Testing (Metal body and Full Transparent) Corner vacuum boxes are specifically designed for testing the inside corner, where the bottom meets the sidewall at 90 degrees 40x40 Ultra Soft Gasket for Shell to Bottom   	BHFICV-3 With Battery Backup LED Light	 	12 "L x 6"W x 6" H 300 mm x 150 mm x 150 mm
	BHFICV-5 With Battery Backup LED Light		20"L x 6"W x 6" H 500 mm x 150 mm x 150 mm
	BHFICV-6 With Battery Backup LED Light		24"L x 6"W x 6" H 600 mm x 150 mm x 150 mm
	BHFICV-10 With Battery Backup LED Light		40.00" L x 6"W x 6" H 1000 mm x 150 mm x 150 mm
Complete Transparent Flat Bottom Weld Test box for testing butt welds on flat surfaces Battery Backup LED Light 	BHFFBC160815		400 mm x 200 mm x 35 mm
	BHFFBC320815		800 mm x 200 mm x 35 mm
	BHFFBC400815		1016 mm x 200 mm x 35 mm
Flexible Transparent Angular Weld Test Vacuum box for testing butt welds on Curved and Cylindrical surfaces 	BHFAVB2040		16.00" L x 8.00" W x 1 " H 400 mm x 200 mm x 20 mm
Complete Transparent Flat Bottom Weld Test box for testing Overlap welds on flat surfaces 	BHFLAP 8 – 8 mm lap		16.00" L x 8.00" W x 1 " H 400 mm x 200 mm x 35 mm
	BHFLAP 10 – 10 mm lap		
	BHFLAP 12 – 12 mm lap		
Sea Chest Angular Vacuum Weld Test box for testing butt welds on Sea Chest in Large ships 	BETSEA1000		39.00" L x 39.00" W x 1 " H 1000 mm x 1000 mm x 40 mm
	BETSEA1200		47.00" L x 47.00" W x 1 " H 1200 mm x 1200 mm x 30 mm
Outside Corner Vacuum Weld Test Box Weld Bubble Leak Testing Corner vacuum boxes are specifically designed for testing the Outside corner, where the bottom meets the sidewall at 90 degrees 	BHFOCV-L		20"L x 5 1/4"W x 5 1/4" H 500 mm x 100 mm x 100 mm
Complete Transparent 3x90 Degree Inner Edge Weld Test Vacuum Weld Box 	BHFFBC390		10.6" L x 10.6" W x 10.6" H 270 mm x 270 mm x 270 mm
Complete Transparent 3x90 Degree Outside Edge Vacuum Weld Test Weld Box 	BHFFBC390-O		10.6" L x 10.6" W x 10.6" H 270 mm x 270 mm x 270 mm

Flat bottom vacuum Weld Leak Test box bubble leak testing WITH LED LIGHTS

	Model No	Description	Dimensions:
	BET10FB	Flat bottom box for testing butt welds on flat surfaces Operates using compressed air.	Outside Dimensions: 10"L x 7 "W x 1 5/8"H Viewing Area: 6 7/8"L x 4 "W
	BET20FB		Outside Dimensions: 20"L x 7 "W x 1 5/8"H Viewing Area: 16 7/8"L x 4 "W
	BET30FB		Outside Dimensions: 30"L x 7 "W x 1 5/8"H Viewing Area: 26 7/8"L x 4 "W
	BET8CB	Corner vacuum boxes are specifically designed for testing the inside corner, where the bottom meets the sidewall at 90 degrees. Operates using compressed air.	8"L x 5"W x 5"H Viewing Area: 5"L x 2 7/8"W
	BET18CB		18"L x 5 1/4"W x 5 1/4"H Viewing Area: 1 5"L x 2 7/8"W
	BHFFB757525 With Battery Backup LED Light	Flat Bottom Weld Test box for testing butt welds on flat surfaces	750 L x 750 W x 250 H mm 29.6" L x 28.6" W x 10" H
	BHFFB656520 With Battery Backup LED Light	Flat Bottom Weld Test box for testing butt welds on flat surfaces	650 L x 650 W x 200 H mm 25.6" L x 25.6" W x 8" H
	BHFFB505020 With Battery Backup LED Light	Flat Bottom Weld Test box for testing butt welds on flat surfaces	500 x 500 x 200 mm 19.7" L x 19.7" W x 8" H



Flat bottom vacuum box bubble leak testing

More Efficient: Vacuum Box LEDs

The optional built-in LEDs provide the recommended light intensity along the weld under test by API 650. The internal LEDs eliminate the view window reflection that occurs when external lights are used to brighten the weld inspection area. You can easily turn the LEDs on and off, eliminating the need for you to move standard halogen floodlights as you move around the tank

Safer and Quicker: Vacuum Relief Valve

Using a calibrated vacuum relief valve ensures the recommended vacuum under international standards. The advantage of such a valve is that once the necessary vacuum is achieved, the relief valve opens and maintains this vacuum, preventing it from damaging the vacuum box or injure the operator.

High-pressure and Low-pressure Models

Vacuum boxes are rated to 20 in of Hg (10 psi/0.7 bar) *recommended for in-services tanks* or 10 in Hg (5 psi/0.4 bar) *recommended for new tanks*. BHFTECH models are rated to 20 in of Hg.

Better Accuracy: Calibrated Gauge

The V750 Vacuum Box comes with an industrial 50.8 mm (2 in) face pressure gauge rated to 762 mm (30 in) of mercury as required by ASME V Article 10–Bubble Test Vacuum Box Technique. The calibrated gauge offers the necessary confidence in your inspections by ensuring the proper recommended vacuum is generated.

Electric Pump or Compressor Driven

The BHFTECH Boxes generates a vacuum using an electric pump or an Air Vacuum Generator (AVG), and an external compressor. Inspection companies tend to use the electric pump because it is more flexible, while construction companies tend to use AVG systems.