ISO 9001, ISO1400, ISO13485, CE and WHO-GMP certified.

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

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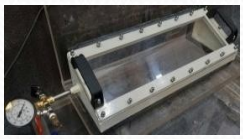
	Model No	**Runs on Vacuum Pump and Compressor**	Dimensions:
Flat Bottom Weld Test box for testing butt welds on flat surfaces With Battery Backup LED Light YouTube	BHFFB30-LE		30.00" L x 8.00" W x 1 1/2" H 800 mm x 200 mm x 35 mm
	BHFFB30-L		30.00" L x 8.00" W x 6" H 800 mm x 200 mm x 150 mm
	BHFFB40-L		40.00" L x 8.00" W x 6" H 1000 mm x 200 mm x 150 mm
Flat Bottom Weld Test box for testing butt welds on flat surfaces - Unbreakable YouTube	BETFB01		350 L x 200 W x70 H mm
	BETFB02		600 L x200 W x70 H mm
	BETFB03		750 L x200 W x70 H mm
Complete Transparent Flat Bottom Weld Test box for testing Overlap welds on flat surfaces YouTube	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		
YouTube	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

Flat bottom vacuum Weld Leak Test box bubble leak testing

	Model No	**Description**	Dimensions:
	**BET10FB** YouTube	**Flat bottom box for testing butt welds on flat surfaces Operates using compressed air and Vacuum Pump**	Outside Dimensions: 10"L x 7 "W x 1 5/8"H Viewing Area: 6 7/8"L x 4 "W
	**BET20FB** YouTube		Outside Dimensions: 20"L x 7 "W x 1 5/8"H Viewing Area: 16 7/8"L x 4 "W
	**BET30FB** YouTube		Outside Dimensions: 30"L x 7 "W x 1 5/8"H Viewing Area: 26 7/8"L x 4 "W

Inside Corner Weld Test Vacuum Box Bubble Leak Testing

	Model No	Runs on Vacuum Pump and Compressor	Dimensions:
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-5 With Battery Backup LED Light YouTube		20"L x 6"W x 6" H 500 mm x 150 mm x 150 mm
	BHFICV-6 With Battery Backup LED Light YouTube		24"L x 6"W x 6" H 600 mm x 150 mm x 150 mm
	BHFICV-10 With Battery Backup LED Light YouTube		40.00" L x 6"W x 6" 1000 mm x 150 mm x 150 mm

Inside Corner Weld Test Vacuum Box Bubble Leak Testing

	Model No	Runs on Vacuum Pump and Compressor	Dimensions:
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	BET8CB YouTube		Outside Dimensions: L: 8" x W: 5 ¼" x H: 5 ¼" Viewing Area: L: 5" x W: 2.7/8"
	BET18CB YouTube		18"L x 5 1/4"W x 5 1/4"H Viewing Area: 1 5"L x 2 7/8"W
	BET30CB YouTube		Outside Dimensions: L: 30" x W: 5. 1/4" x H: 5 ¼" Viewing Area: L: 27" x W: 2.7/8"

Outside Corner Vacuum Weld Test Box Weld Bubble Leak Testing

	Model No	Runs on Vacuum Pump and Compressor	Dimensions:
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	BET8CB https://youtu.be/mXS6YcJpCKc YouTube		Outside Dimensions: L: 8" x W: 5 ¼" x H: 5 ¼" Viewing Area: L: 5" x W: 2.7/8"
			18"L x 5 1/4"W x 5 1/4"H Viewing Area: 1 5"L x 2 7/8"W

Complete Transparent
3x90 Degree Inner Edge Weld Test Vacuum Weld Box

	Model No	**Runs on Vacuum Pump and Compressor**	Dimensions:
Complete Transparent 3x90 Degree Inner Edge Weld Test Vacuum Weld Box YouTube	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

	Model No	**Runs on Vacuum Pump and Compressor**	Dimensions:
Complete Transparent 3x90 Degree Outside Edge Vacuum Weld Test Weld Box YouTube	BHFFBC390-O		10.6" L x 10.6" W x 10.6" H 270 mm x 270 mm x 270 mm

WITH LED LIGHTS

Dump valve vacuum box

	Model No	**Description**	Dimensions:
 YouTube	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**
 YouTube	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**
 YouTube	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

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.

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.

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.

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.