

Blast Valve

Type E 2510



Overview

The Blast valve type **E 2510** is a heavy duty valve used to protect the interior of shelters from blast waves caused by outside explosions. The valve is open under normal circumstances allowing for a free flow of air. During sudden changes in air pressure, the valve will automatically close withstanding blast waves of up to 20 bar (more than 282 psi) reflected pressure, meeting Israeli, Singaporean and Swiss standards.

The E 2510 unique closing mechanism enables exceptionally low resistance (pressure drop) at high airflow rate. This translates to high utilization of wall area (fewer valves per wall unit area for the required flow) and cost savings.

This closing mechanism also allows the valve to protrude only 64 mm from the wall surface, which makes the valve more decorative.

Description

The blast valve type **E 2510** is a double action valve protecting against explosive and implosive blast waves. Made from special anodized aluminum and subcomponents made to the highest standards, the valve is maintenance free and resistant to high temperatures and corrosion.

The valve including functional closing elements made from special anodized aluminum and other aluminum components with e-coating. The springs are manufactured from special stainless steel and all steel parts are hot dipped galvanized or zinc treated.

PRODUCT USE:

- Installed at the air intake or air outlet
- Has integrated wall sleeve
- Should be installed only with equipment that has been manufactured by Beth-El Industries to ensure maximum performance



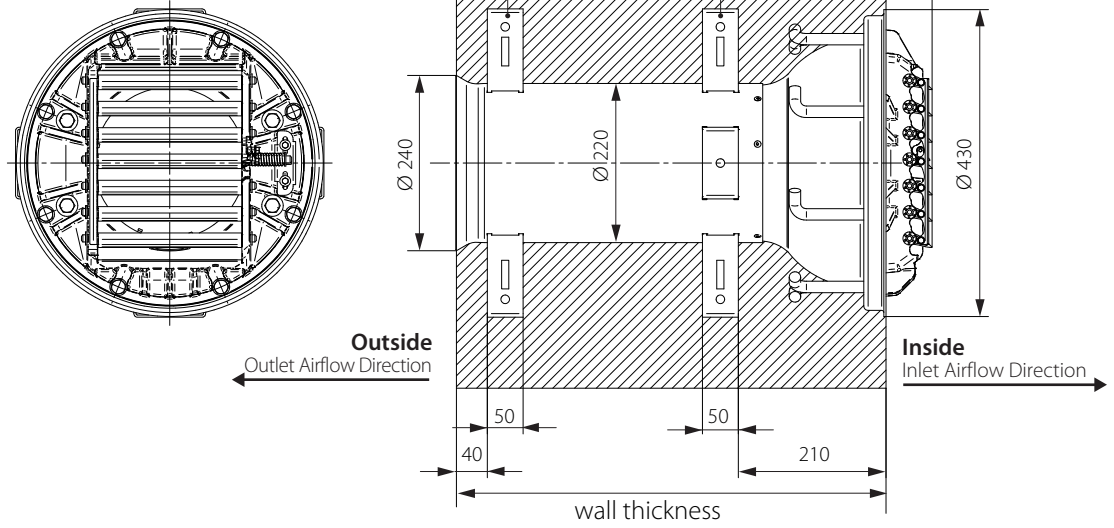
Certified Quality Assurance Program According to **AQAP-2110**





Approximate Dimensions:

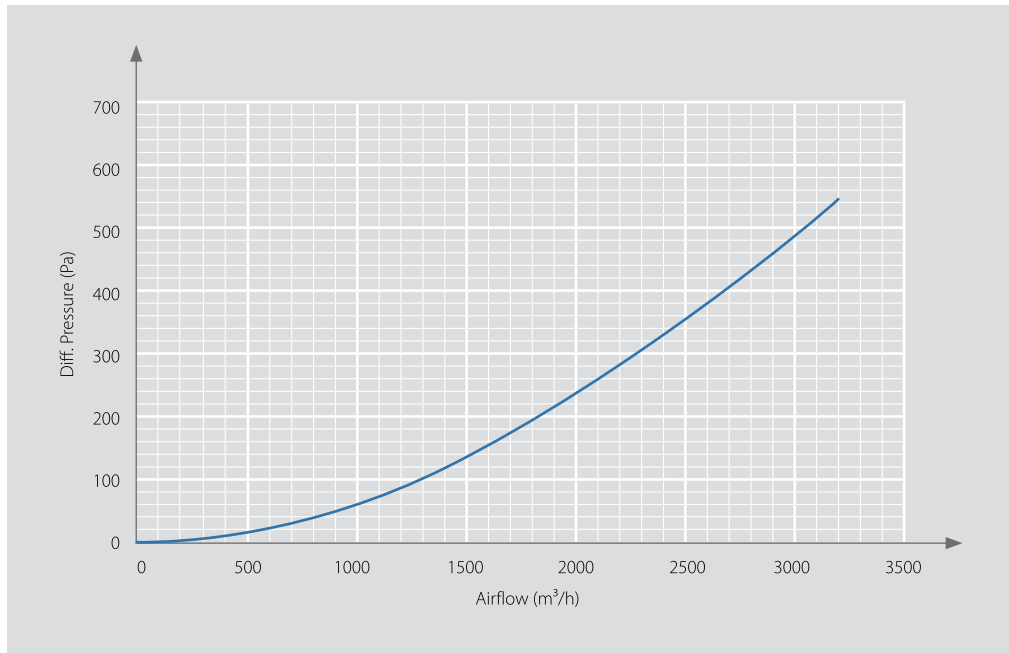
all dimensions are in mm



CERTIFICATIONS:

- Compliant with applicable Israeli, Singaporean, and Swiss standards
- Quality control according to ISO 9001
- Quality assurance AQAP 2110

Pressure Drop on Airflow E 2510:



Specifications for the E 2510:

Product No:	B00840	
Airflow Rate:	See Diagram	m³/h
Flow Resistance (Differential Pressure):	See Diagram	Pa
Reflected Pressure Durability:	>2,000 (>290)	kPa (psi)
Working Temperature:	-40 to +100 (-40 to +212)	°C (°F)
Mechanical Shock Resistance:	60	g
Installation Matrix:	≥ 430 x 430	mm
Minimum wall thickness*	≥ 400	mm

*Optional 300mm Wall Thickness Available- Special Production

Specifications are subject to change without prior notice.

Beth-El Zikhron Yaaqov Industries Ltd.

1 Avshalom Road
Zikhron Yaaqov, Israel
Tel: + 972-4-629 9999
www.beind.com