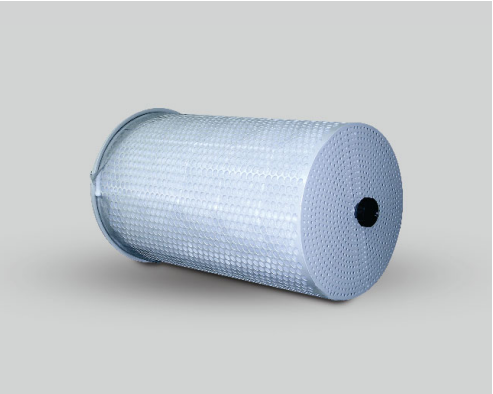
Beth-El Industries

Blast Valve with Prefilter

Type ESVF 2140



Overview

The Blast Valve with Prefilter Type **ESVF 2140** is a heavy duty valve that protects the interior of a shelter from blast waves caused by outside explosions. A prefilter with an efficiency of approximately 90 % is fully integrated. The valve is normally open. It withstands blast waves of 60 bar (842 psi) reflected pressure. The valve is tested and certified for compliance to the applicable Israeli, Singaporean, and Swiss Standards.

Description

The Blast Valve with Prefilter Type **ESVF 2140** is a double action valve that protects against explosive and implosive waves. It is maintenance-free and resistant to high temperature, high humidity, and corrosion. The springs are manufactured from special stainless steel and all steel parts are galvanized to at least 100 µm.

PRODUCT USE:

- **Installed at the air intake inside the shelter to ensure proper operation**
- **Has an integrated wall sleeve**
- **Should be installed only with equipment that has been manufactured by Beth-El Industries to ensure maximum performance**

ADDITIONALLY AVAILABLE:

- **Spacers on wall-sleeves**
- **Distance holders for wall-sleeves**
- **Set of protection caps**
- **Powder coating on the valve housing**

CBRN-Filtration & Ventilation Systems

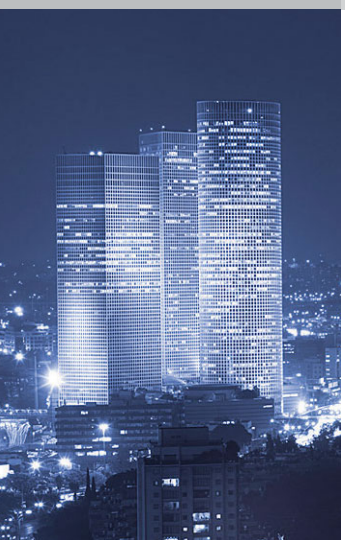
CERTIFIED OMS SI ISO 9001: 2015 THE STANDARDS INSTITUTION OF ISRAEL

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

IQNet THE INTERNATIONAL CERTIFICATION NETWORK

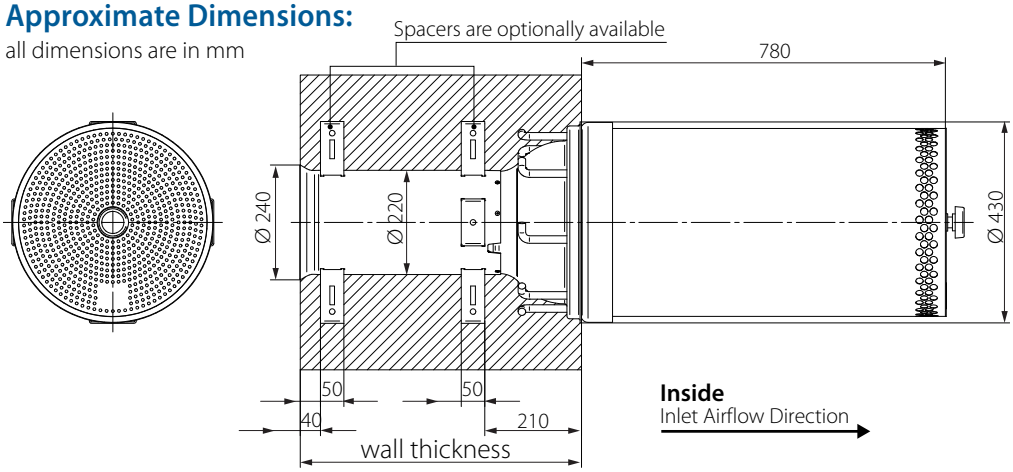
NATO-Supplier- **No. 1532A**

Certified by the Civil Defence Command of Israel

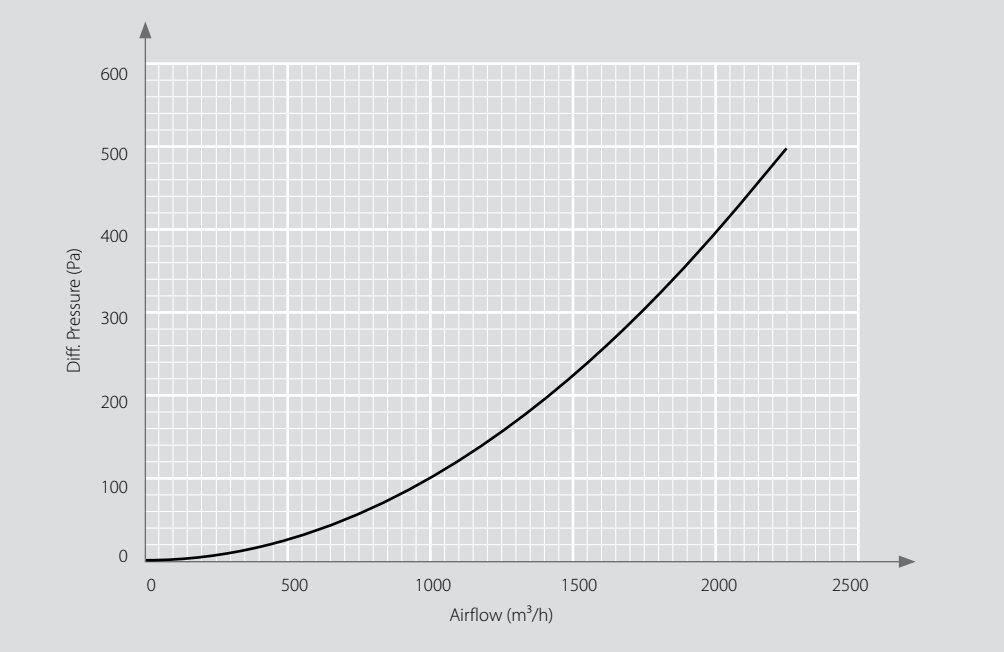


Approximate Dimensions:

all dimensions are in mm



Pressure Drop on Airflow ESVF 2140:



CERTIFICATIONS:

- **Tested and certified for compliance to the applicable Israeli Singaporean and Swiss standards**
- **Quality control according to ISO 9001**
- **Quality assurance AQAP 2110**

Specifications for the ESVF 2140:

Product No:	B92503	
Airflow Rate:	Up to 3000 (1760)	m³/h (cfm)
Flow Resistance:	See Diagram	
Incident Pressure Durability:	1100 (160)	kPa (psi)
Reflected Pressure Durability:	4000 (580)	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

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Specifications are subject to change without prior notice.