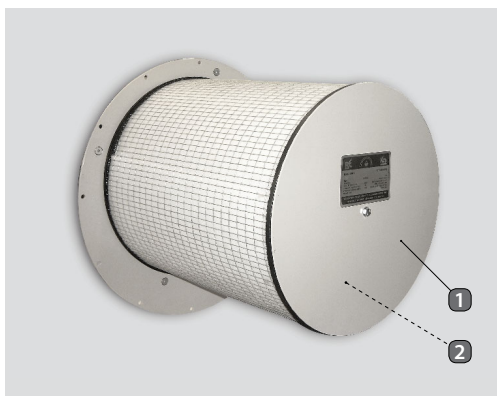


# Blast Valve with Prefilter

Type **ESVF 3603 X**



## Overview

The Blast Valve with Prefilter Type **ESVF 3603 X** 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 85% is fully integrated. The valve is normally open. If the air flow rate exceeds the nominal value by approximately 80%, the valve will close instantly. It can withstand blast waves of 3 bar (42 psi) (in-falling pressure). The valve is tested and certified to the Israeli Standard 4570 by the Civil Defence Command and the Standards Institution of Israel.

## Description

The Blast Valve with Prefilter Type **ESVF 3603 X** protects against explosive and implosive blast waves. It is maintenance-free and temperature and corrosion resistant. The springs are manufactured from special stainless steel and all steel parts are phosphate treated and finished with a powder coating.

### Illustration:

1. Closing Device
2. Prefilter

### PRODUCT USE:

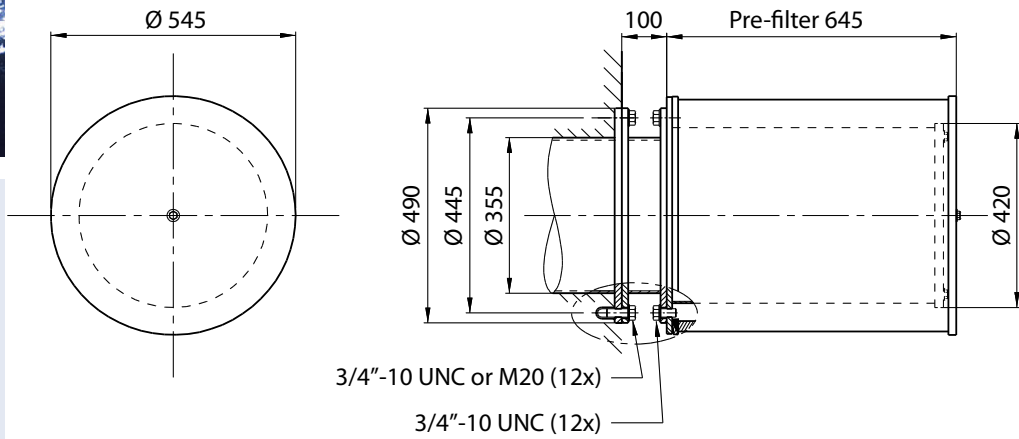
- Installed at air intake inside blast protected shelter to ensure proper operation
- Installed on an 14" flange according to BS 4504 - PN 6 or DIN 2501 - PN 6
- Should be installed only with equipment that has been manufactured by Beth-El Industries to ensure maximum performance





### Approximate Dimensions:

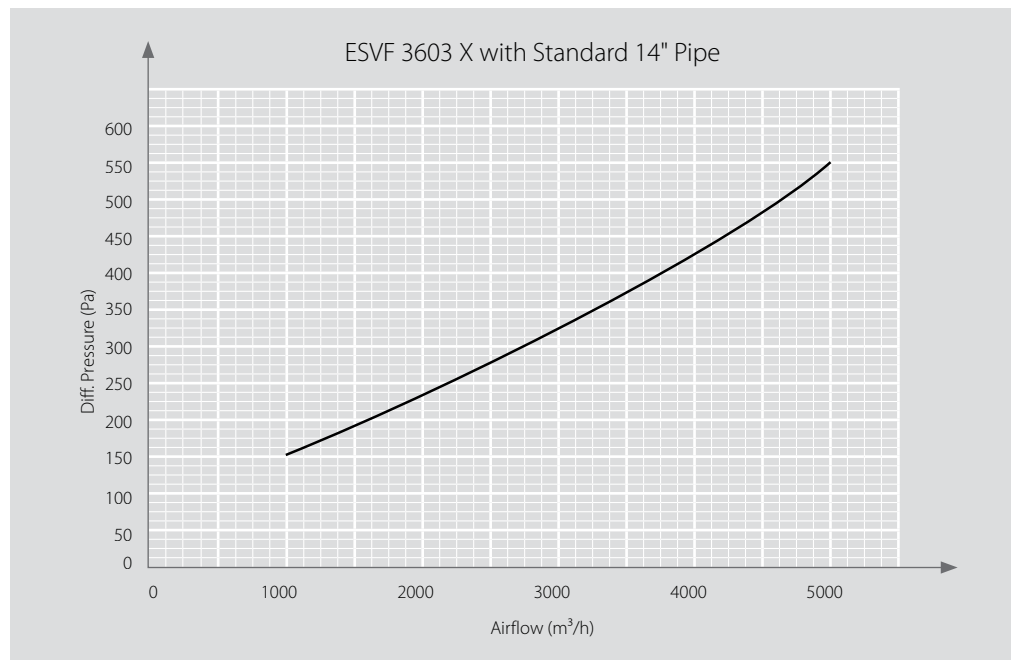
all dimensions are in mm



### CERTIFICATIONS:

- Tested and certified to IS 4570 by the Standards Institution of Israel
- Approved by the Civil Defence Command of Israel
- Quality control according to ISO 9001
- Quality assurance AQAP 2110

### Pressure Drop on Airflow ESVF 3603 X (without Protective Housing):



### Specifications for the ESVF 3603 X (without Protective Housing):

Product No:	B02927	
Airflow Rate:	Up to 5000 (2960)	$\text{m}^3/\text{h}$ (cfm)
Flow Resistance:	See Diagram	
Incident Pressure Durability:	300 (42)	kPa (psi)
Reflected Pressure Durability:	1100 (154)	kPa (psi)
Working Temperature:	+5 to +70 (+40 to +160)	$^{\circ}\text{C}$ ( $^{\circ}\text{F}$ )
Mechanical Shock Resistance:	20	g

Specifications are subject to change without prior notice.

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