

BLAST PROTECTION & AIR MANAGEMENT

# BVNO - Blast Valves



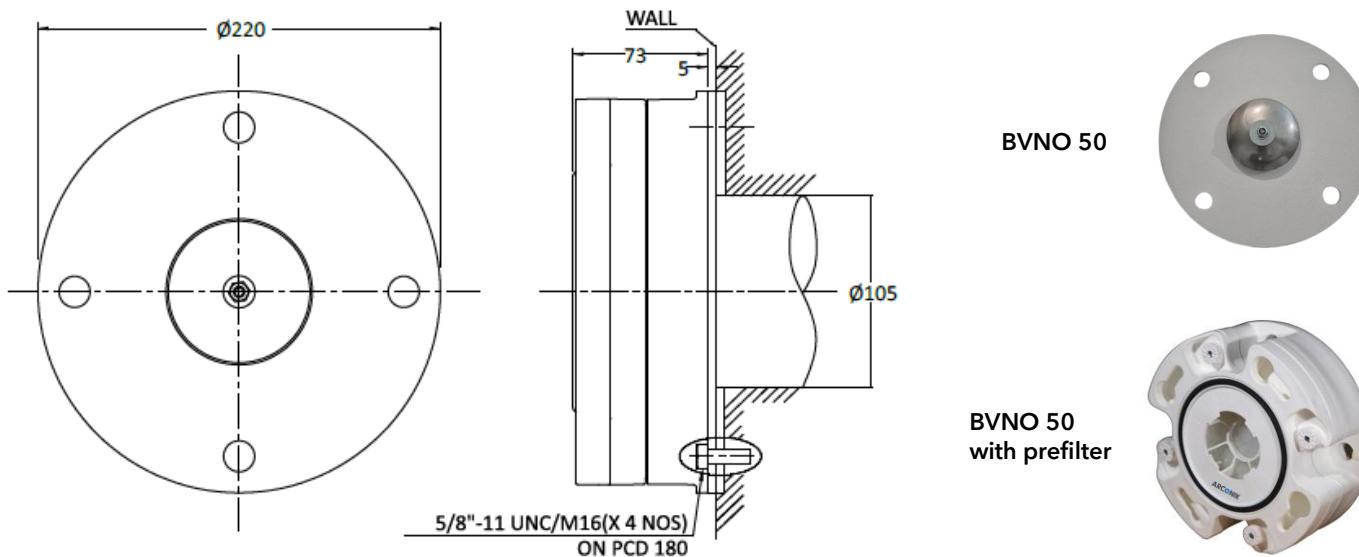
**Atmas** offers a wide range of **BVNO blast valves** (normally open valves) which allow movement of the air both directions in regular operation and provide automatic closing action in case of incoming blast wave for protection of ventilation ways and internal spaces against destructive blast wave effects.

- BVNO blast valves was developed for use in civil defence shelters, bunkers, safe rooms and other protected spaces.
- BVNO are automatic double action valves designed to protect from positive and negative phases of the blast.
- The valves are extremely durable and can operate in a wide range of temperatures and resistant to corrosion.
- The valves are designed for installation on ventilation openings or as part of the duct.
- The valves can be equipped with pre-filter for removing dust particles, special case with flanges or connectors to the duct.

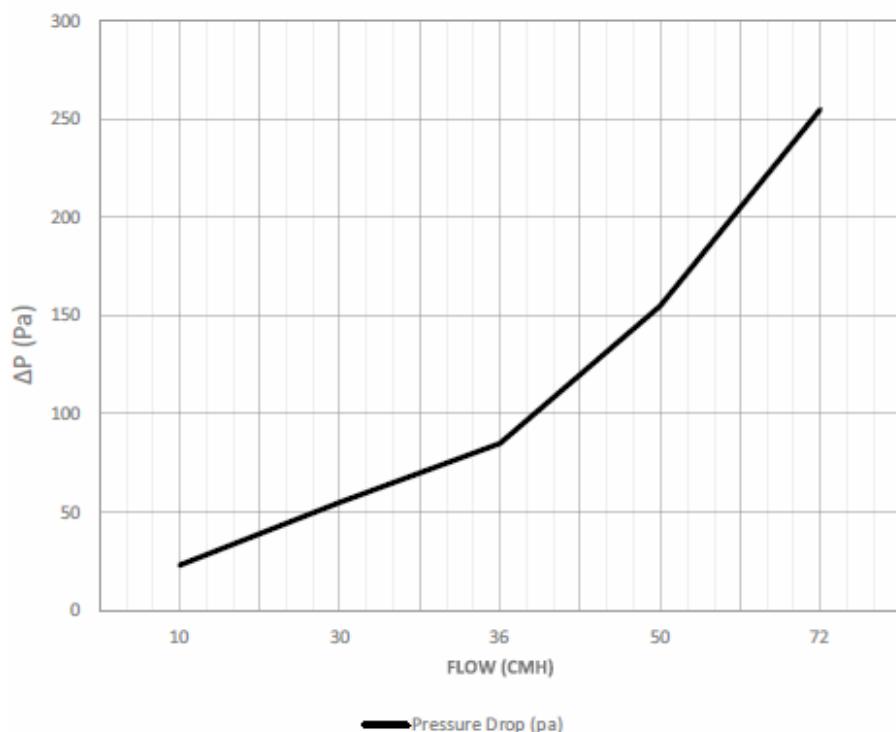
**BVNO blast valves are tested and certified for SI 4570 standard or designed to meet technical requirements of specific international standards.**

Models	BVNO 50 4Y	BVNO 550 8Y	BVNO 600 8Y	BVNO 1000 8Y	BVNO 1800 8Y	BVNO 2600 8Y	BVNO 2900 14Y
Flange size	4 inch	8 inch	8 inch	8 inch	8 inch	8 inch	14 inch
Airflow @ 200 Pa	50 m3/h	550 m3/h	600 m3/h	1000 m3/h	1800 m3/h	2600 m3/h	2900 m3/h
Pressure durability operation	>900 (9) kPa (bar)						
Pressure durability max.	>2000 (20) kPa (bar)						
Mech. Shock resistance	>12 g						

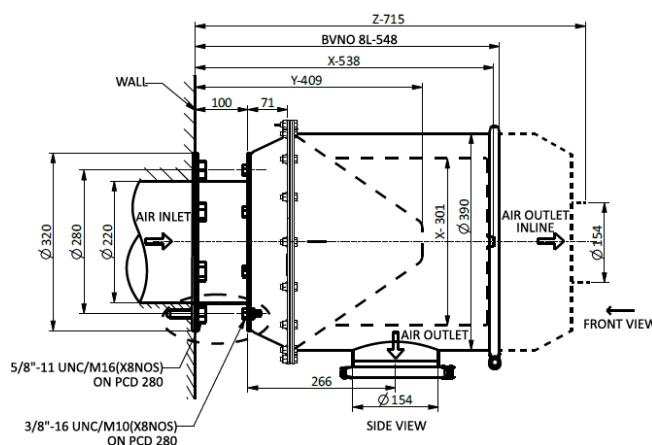
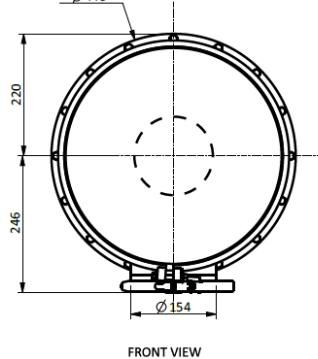
Connecting flange	Operational blast pressure durability	Max. blast pressure durability	Mechanical shock resistance
4 inch	>900 (9) kPa (bar)	>2000 (20) kPa (bar)	>12 g



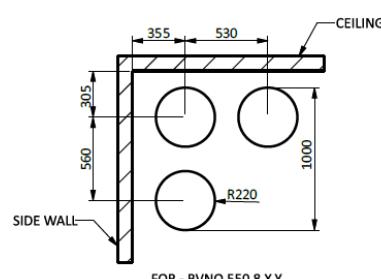
BVNO 50 4L



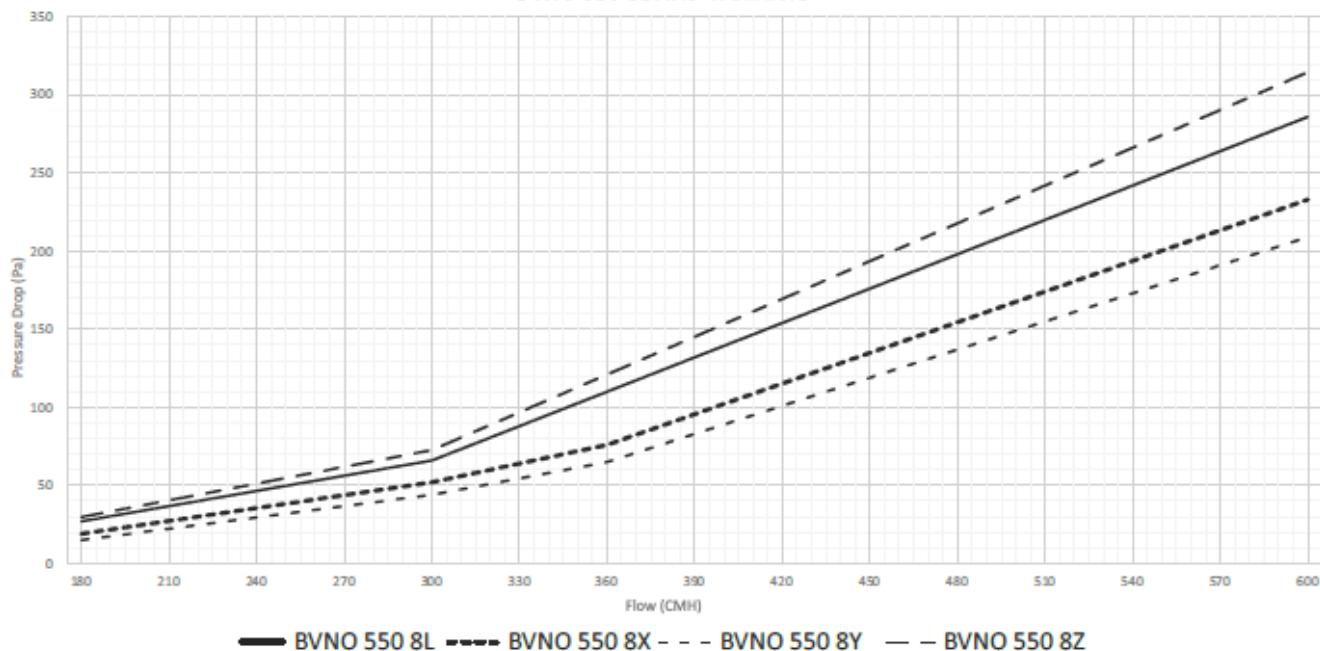
Connecting flange	Operational blast pressure durability	Max. blast pressure durability	Mechanical shock resistance
8 inch	>900 (9) kPa (bar)	>2000 (20) kPa (bar)	>12 g



BVNO 550 8L	WITH 90 DEG HOUSING (FOR NO: WITH PREFILTER)
BVNO 550 8X	WITH PREFILTER
BVNO 550 8Y	ONLY VALVE WITH PROTECTION
BVNO 550 8Z	VAVLE WITH INLINE HOUSING

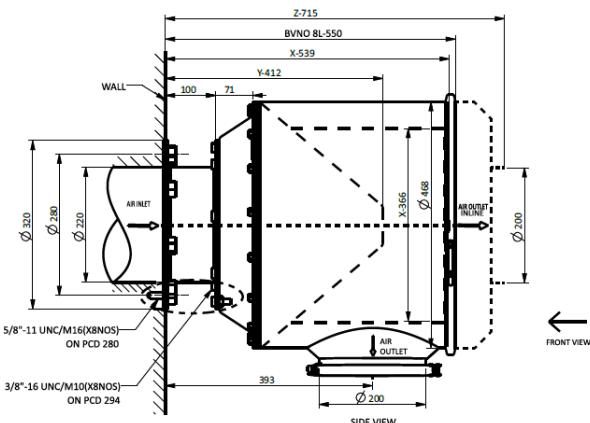
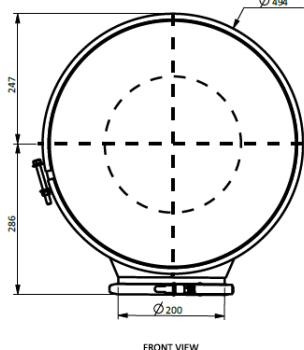


BVNO 550 8L AND VARIANTS



**Disclaimer:** This document is not a recommendation or a substitute for dedicated professional advice. All technical, functional and other product specifications are subject to change without notice or obligation.

Connecting flange	Operational blast pressure durability	Max. blast pressure durability	Mechanical shock resistance
8 inch	>900 (9) kPa (bar)	>2000 (20) kPa (bar)	>12 g

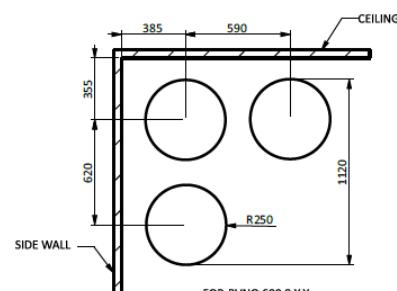


FRONT VIEW

SIDE VIEW

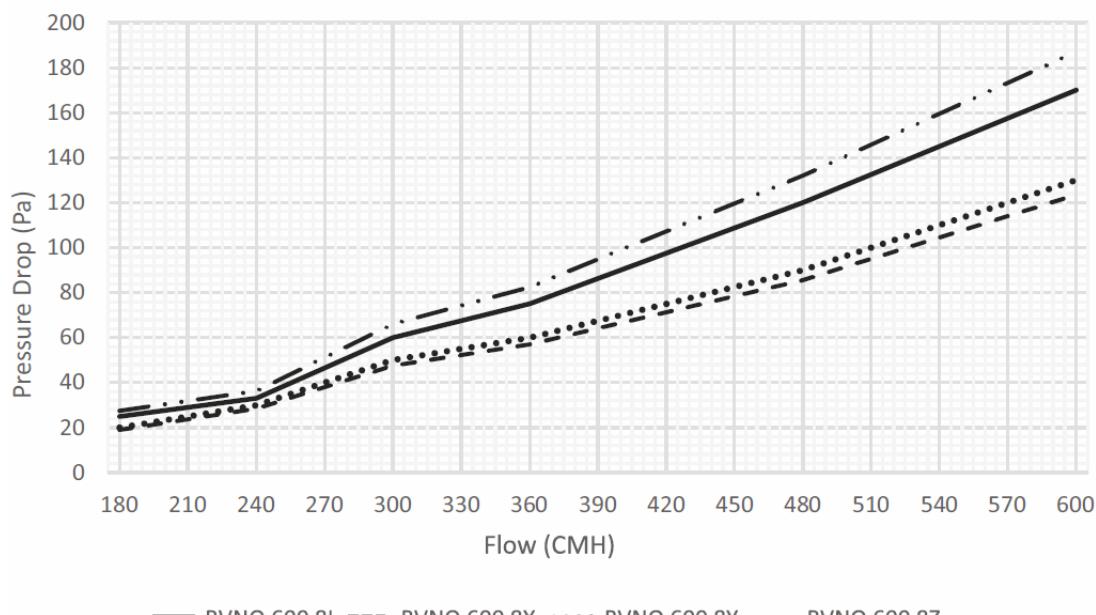


SR.NO	MODEL NAME	DESCRIPTION
1	BVNO 600 8L	WITH 90 DEG HOUSING (FOR NO: WITH PREFILTER)
2	BVNO 600 8X	WITH PREFILTER
3	BVNO 600 8Y	ONLY VALVE WITH PROTECTION
4	BVNO 600 8Z	VAVLE WITH INLINE HOUSING



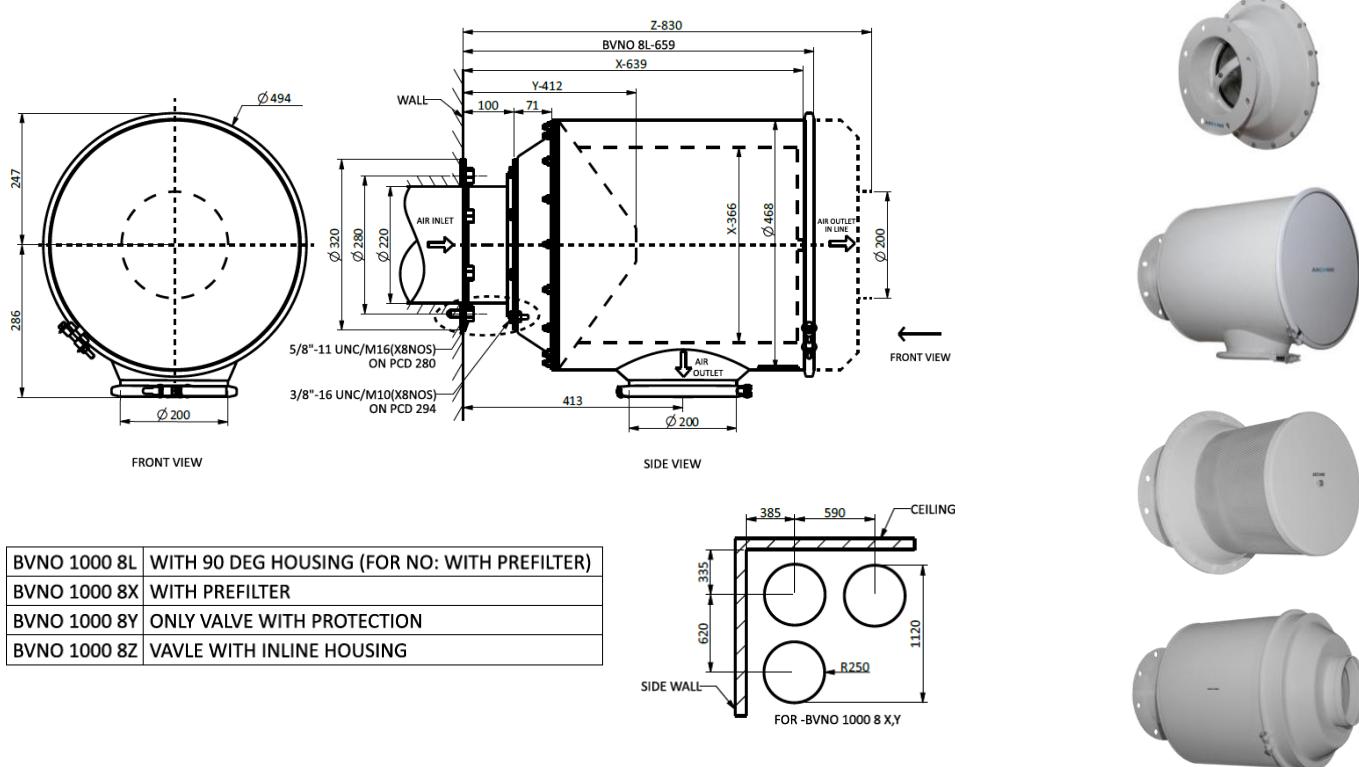
FOR-BVNO 600 8 X,Y

## BVNO 600 8L AND VARIANTS

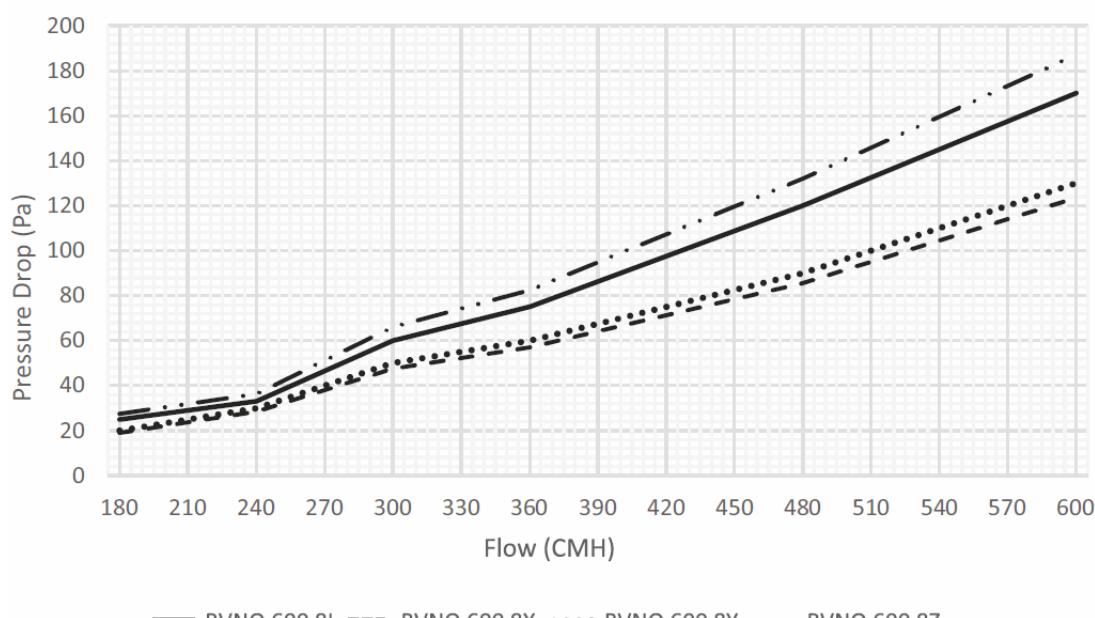


**Disclaimer:** This document is not a recommendation or a substitute for dedicated professional advice. All technical, functional and other product specifications are subject to change without notice or obligation.

Connecting flange	Operational blast pressure durability	Max. blast pressure durability	Mechanical shock resistance
8 inch	>900 (9) kPa (bar)	>2000 (20) kPa (bar)	>12 g

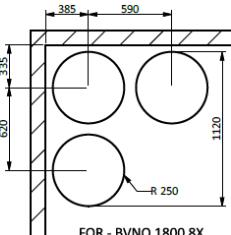
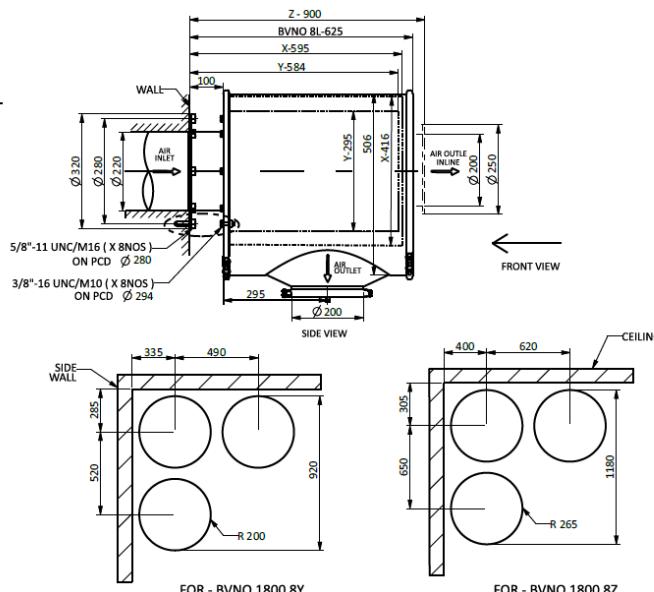
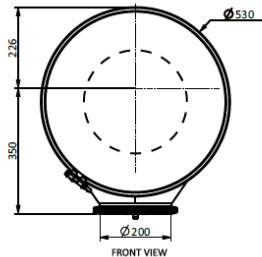


## BVNO 600 8L AND VARIANTS



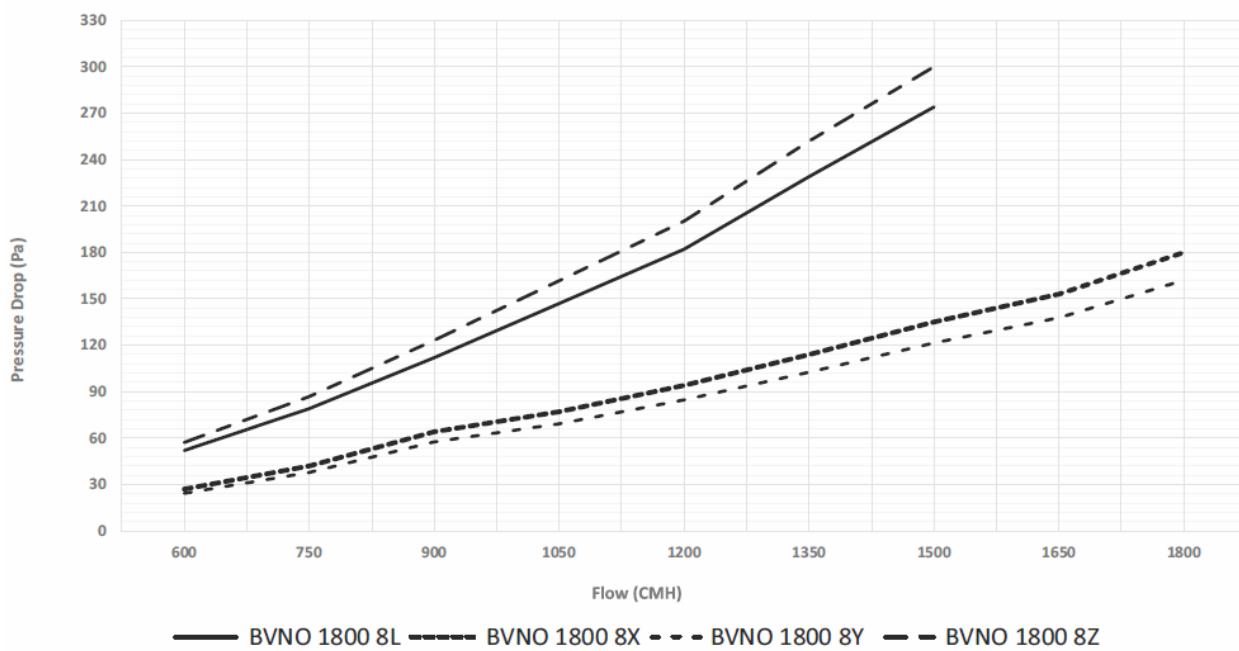
**Disclaimer:** This document is not a recommendation or a substitute for dedicated professional advice. All technical, functional and other product specifications are subject to change without notice or obligation.

Connecting flange	Operational blast pressure durability	Max. blast pressure durability	Mechanical shock resistance
8 inch	>900 (9) kPa (bar)	>2000 (20) kPa (bar)	>12 g



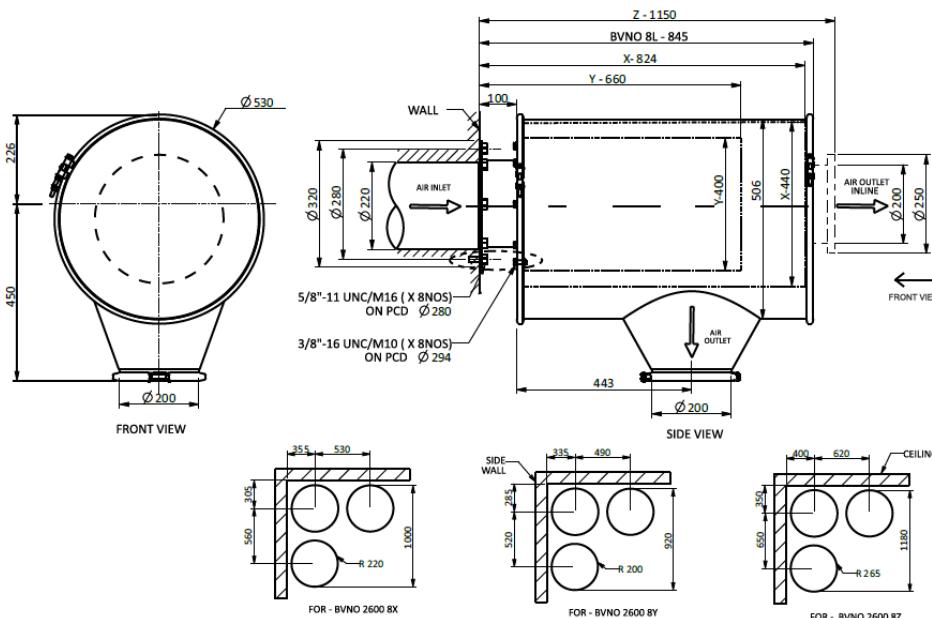
SR.NO	MODEL NAME	DESCRIPTION
1	BVNO 1800 8L	WITH 90 DEG HOUSING (FOR NO: WITH PREFILTER)
2	BVNO 1800 8X	WITH PREFILTER
3	BVNO 1800 8Y	ONLY VALVE WITH PROTECTION
4	BVNO 1800 8Z	VALVE WITH INLINE HOUSING

BVNO 1800 8L AND VARIANTS



**Disclaimer:** This document is not a recommendation or a substitute for dedicated professional advice. All technical, functional and other product specifications are subject to change without notice or obligation.

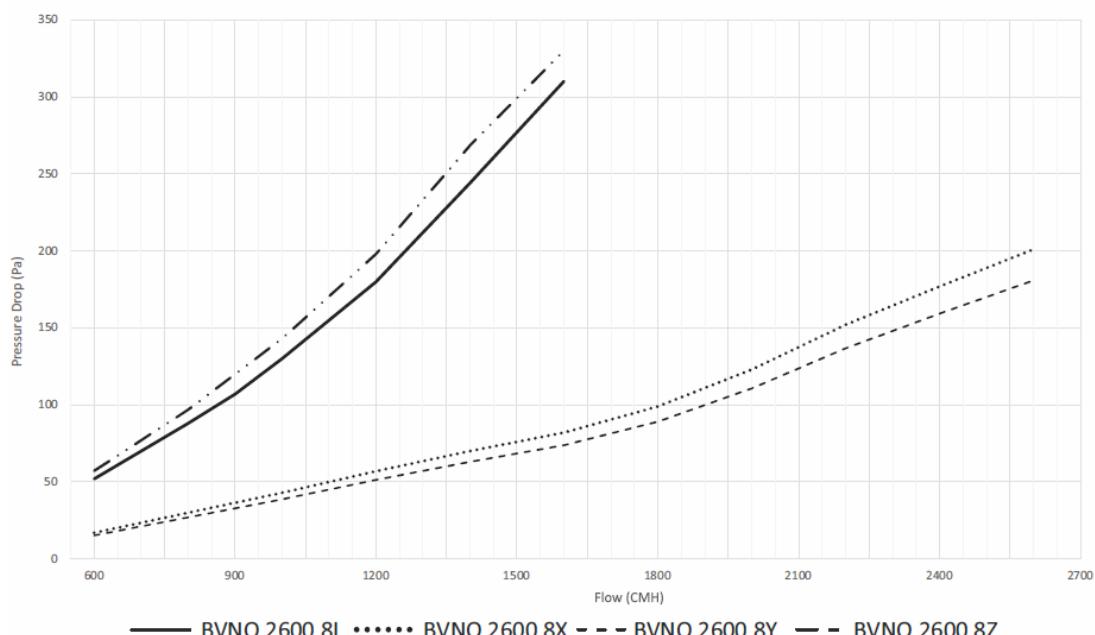
Connecting flange	Operational blast pressure durability	Max. blast pressure durability	Mechanical shock resistance
8 inch	>900 (9) kPa (bar)	>2000 (20) kPa (bar)	>12 g



SR.NO.	MODEL NAME	DESCRIPTION
1	BVNO 2600 8L	WITH 90 DEG HOUSING (FOR NO: WITH PREFILTER)
2	BVNO 2600 8X	WITH PREFILTER
3	BVNO 2600 8Y	ONLY VALVE WITH PROTECTION
4	BVNO 2600 8Z	VAVAL WITH INLINE HOUSING

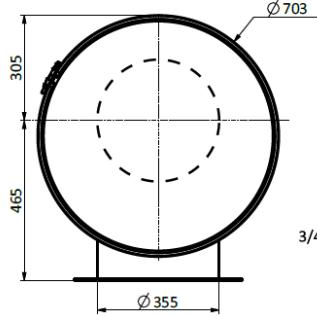


BVNO 2600 8L AND VARIANTS

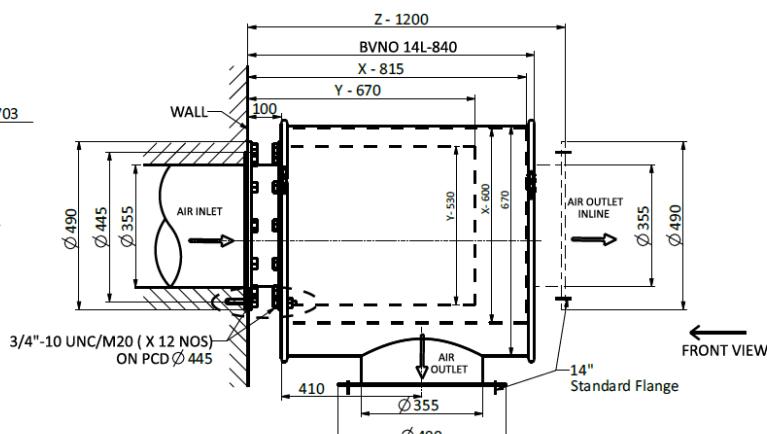


**Disclaimer:** This document is not a recommendation or a substitute for dedicated professional advice. All technical, functional and other product specifications are subject to change without notice or obligation.

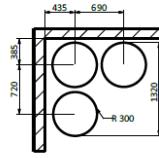
Connecting flange	Operational blast pressure durability	Max. blast pressure durability	Mechanical shock resistance
14 inch	>900 (9) kPa (bar)	>2000 (20) kPa (bar)	>12 g



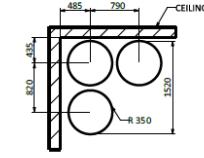
FRONT VIEW



FRONT VIEW



FOR - BVNO 2900 14L



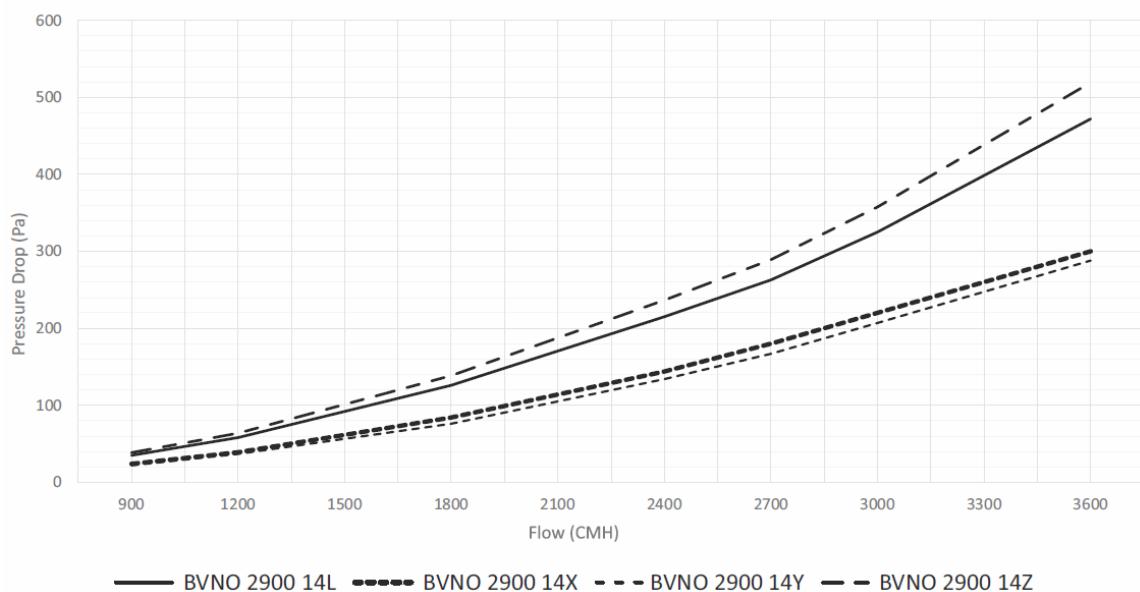
FOR - BVNO 2900 14Y



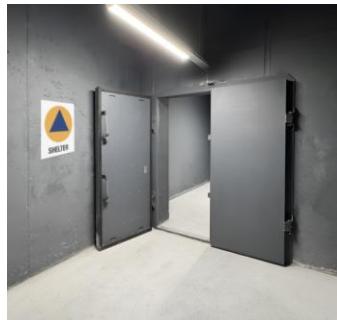
SR.NO.	MODEL NAME	DESCRIPTION
1	BVNO 2900 14L	WITH 90 DEG HOUSING (FOR NO: WITH PREFILTER)
2	BVNO 2900 14X	WITH PREFILTER
3	BVNO 2900 14Y	ONLY VALVE WITH PROTECTION
4	BVNO 2900 14Z	VAVAL WITH INLINE HOUSING

DISCLAIMER: THESE DIMENSION CONSIDER ONLY SIZE LIMITS OF THE VALVE AND DO NOT CONSIDER STRUCTURAL OR OTHER REGULATION OF ANY OTHER STANDARD

BVNO 2900 14L AND VARIANTS



**Disclaimer:** This document is not a recommendation or a substitute for dedicated professional advice. All technical, functional and other product specifications are subject to change without notice or obligation.



## About Atmas

**Atmas Group** is a Finland-based global supplier of products, technologies, project support services and complete solutions in the areas of civil defense shelters and protected spaces, facilities reinforcement against CBRN, blast, ballistic, forced entry and EMP threats, as well as security, safety and emergency response.

Atmas is trusted by customers and partners around the world providing a unique combination of solutions “under one roof”, with a focus on advanced technologies, product customization, uncompromised service and comprehensive project support.

### Atmas Group Oy

Hermannin rantatie 3A

00540 Helsinki

Finland

+358 449843373

[info@atmasgroup.com](mailto:info@atmasgroup.com)

[www.atmasgroup.com](http://www.atmasgroup.com)

**Disclaimer:** This document is not a recommendation or a substitute for dedicated professional advice. The images are for illustration purposes only and all technical, functional and other product specifications are subject to change without notice or obligation.