

BLAST PROTECTION & AIR MANAGEMENT

# BVNO – Blast Valves



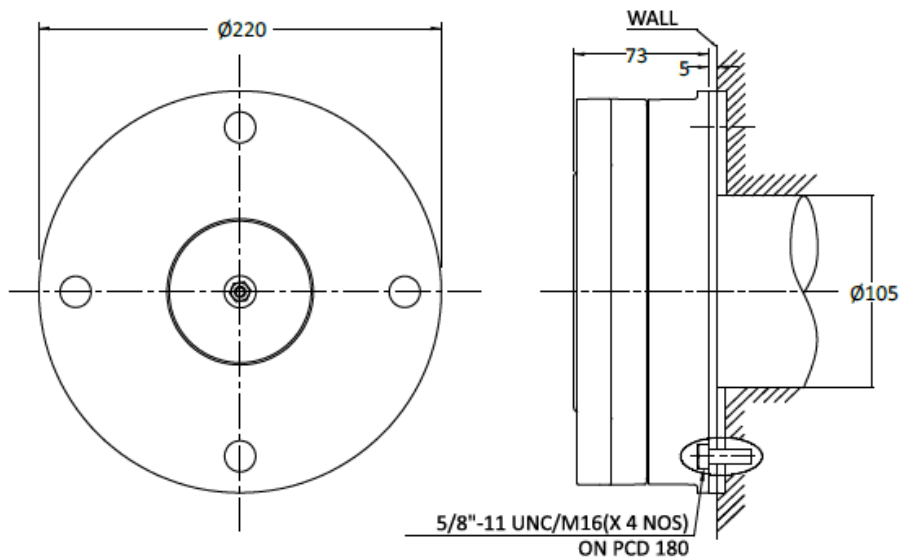
**Atmas** offers a wide range of **BVNO blast valves** (normally open valves) which allow movement of the air both directions in regular operation and provide automatic closing action in case of incoming blast wave for protection of ventilation ways and internal spaces against destructive blast wave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



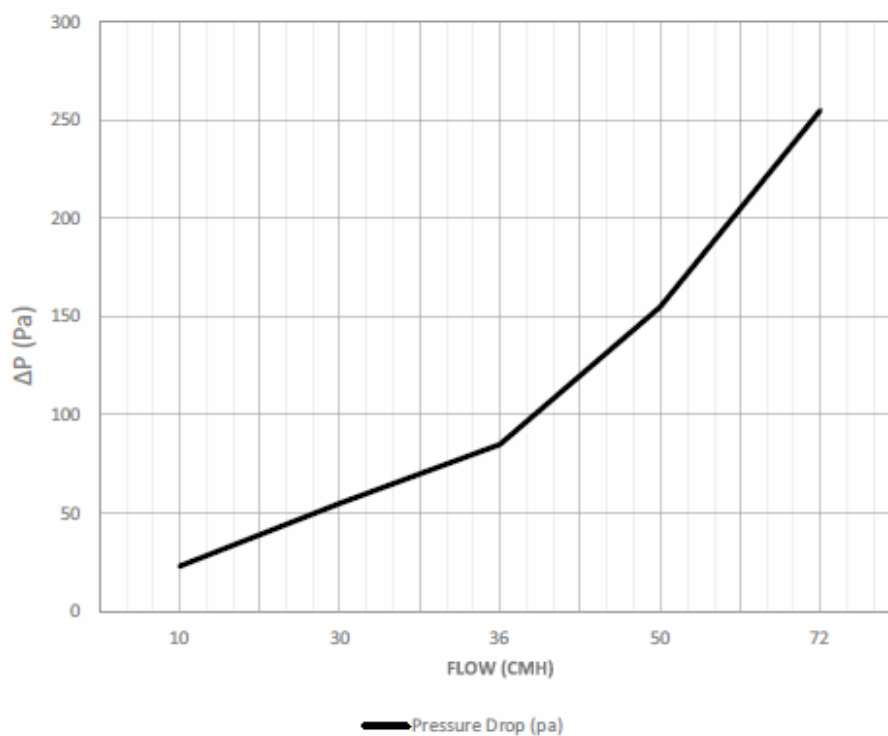
BVNO 50



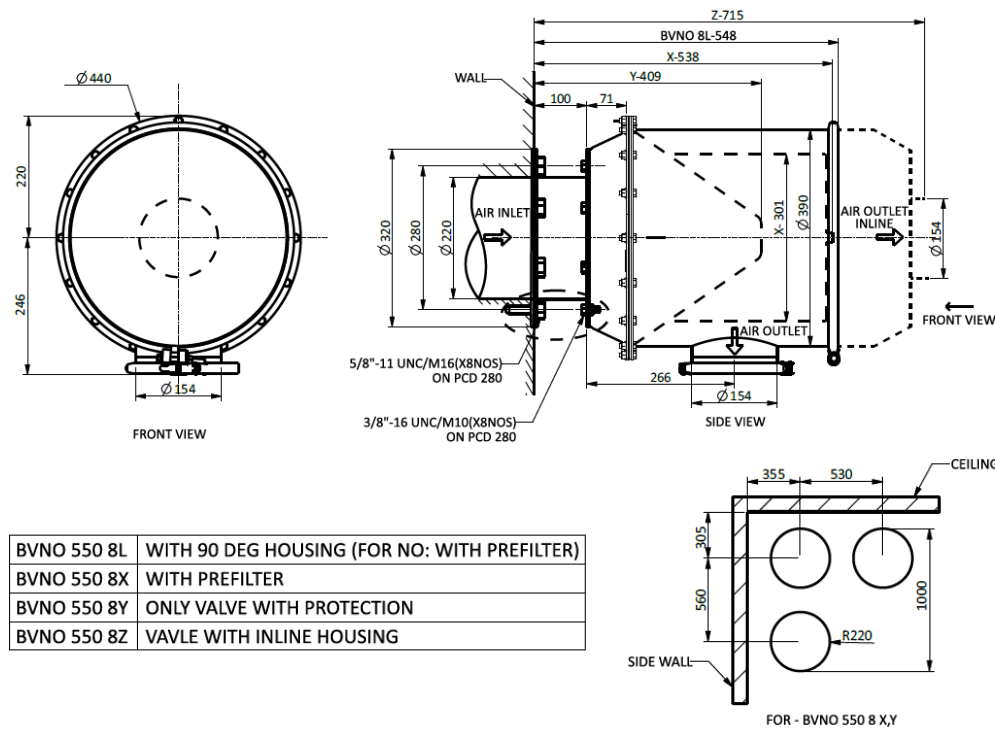
BVNO 50  
with prefilter



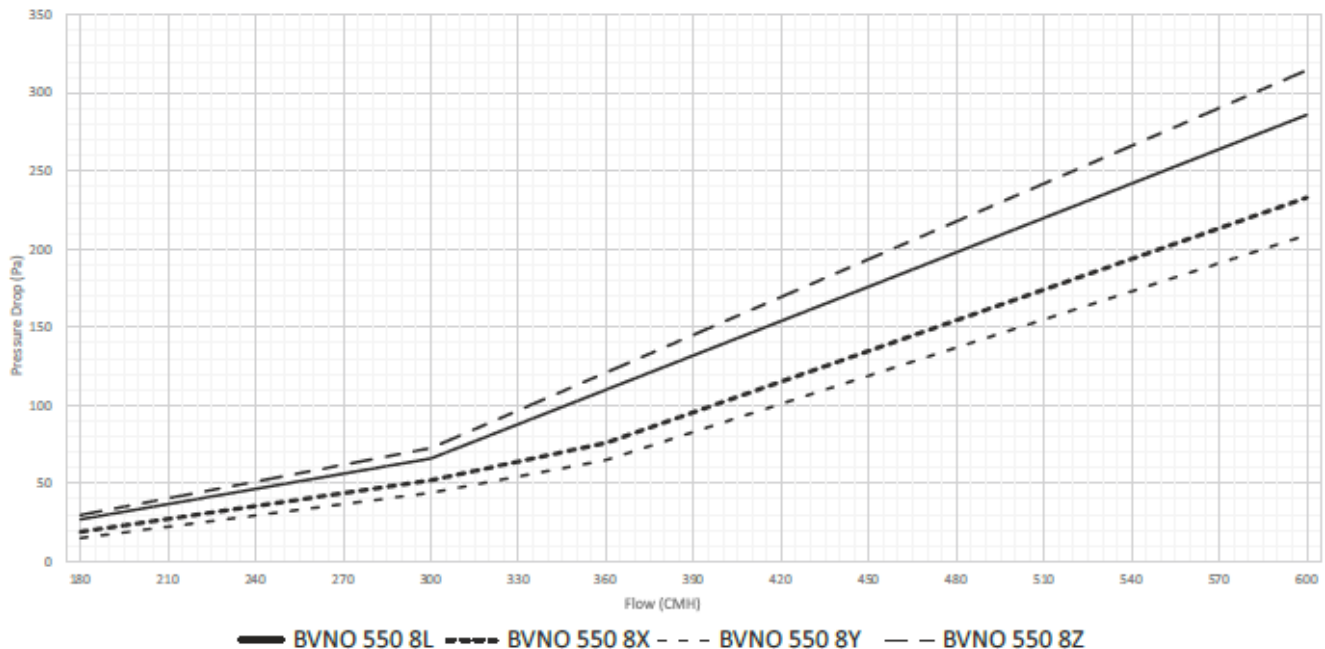
BVNO 50 4L



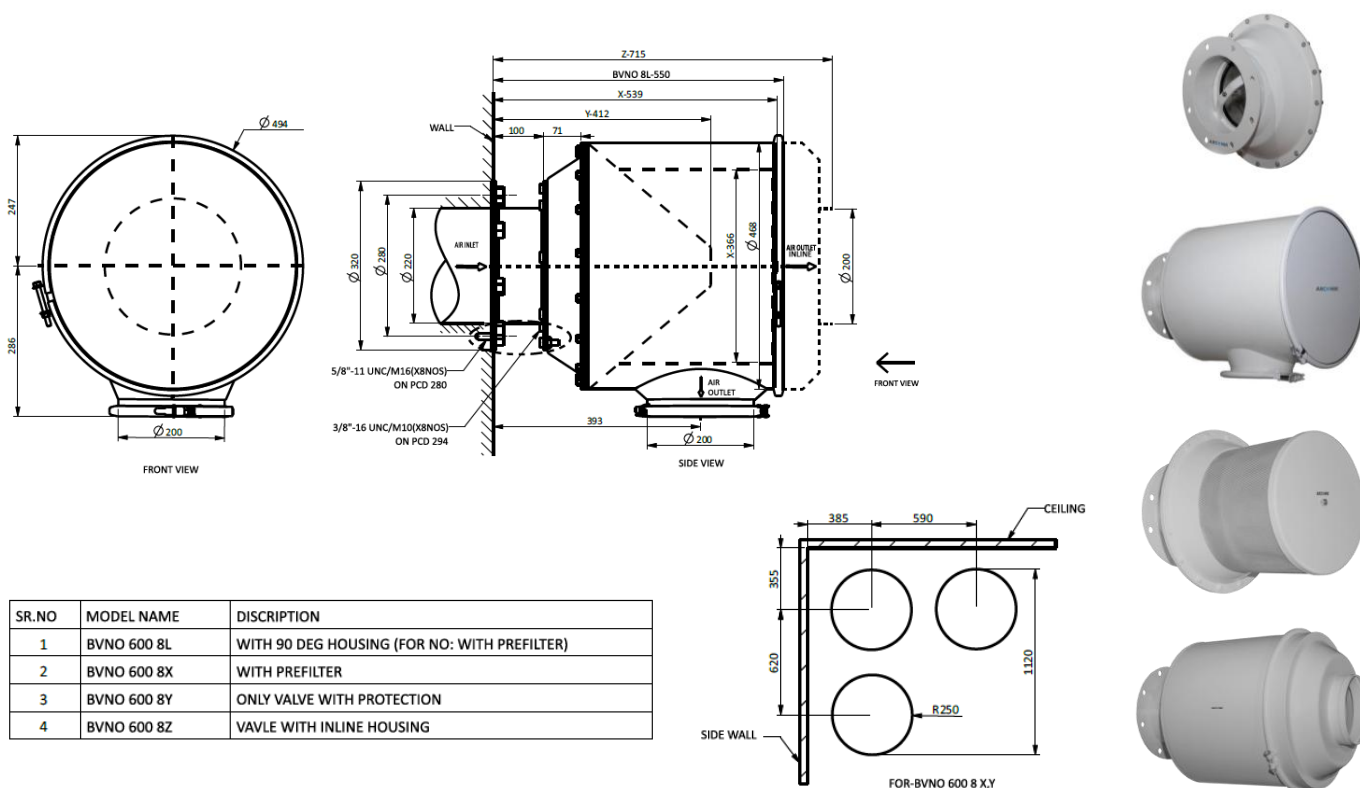
Connecting flange	Operational blast pressure durability	Max. blast pressure durability	Mechanical shock resistance
8 inch	>900 (9) kPa (bar)	>2000 (20) kPa (bar)	>12 g



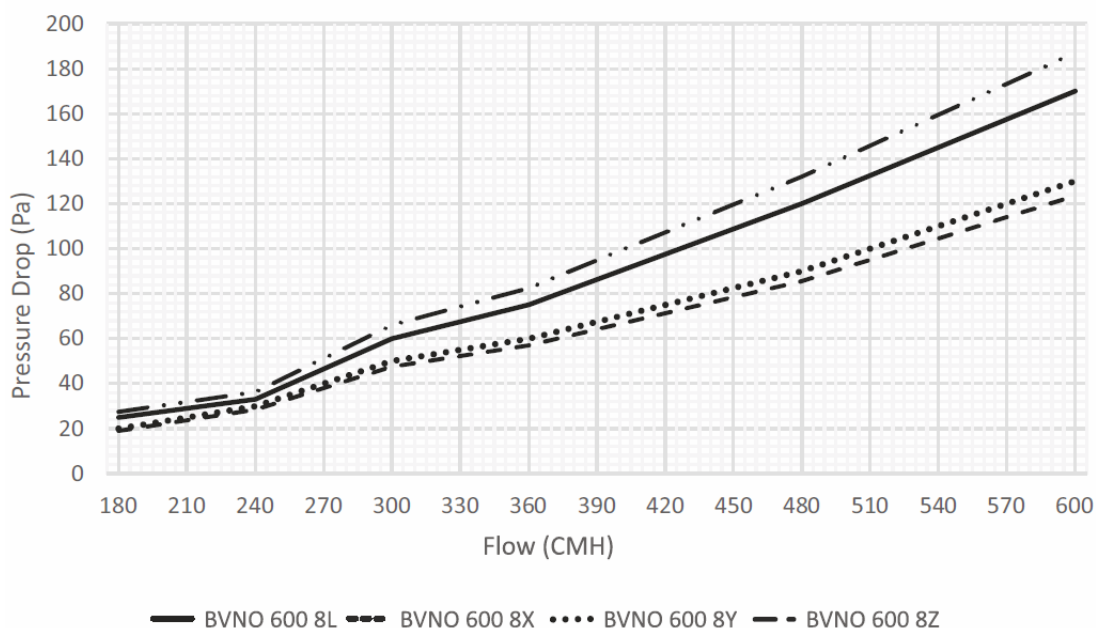
BVNO 550 8L AND VARIANTS



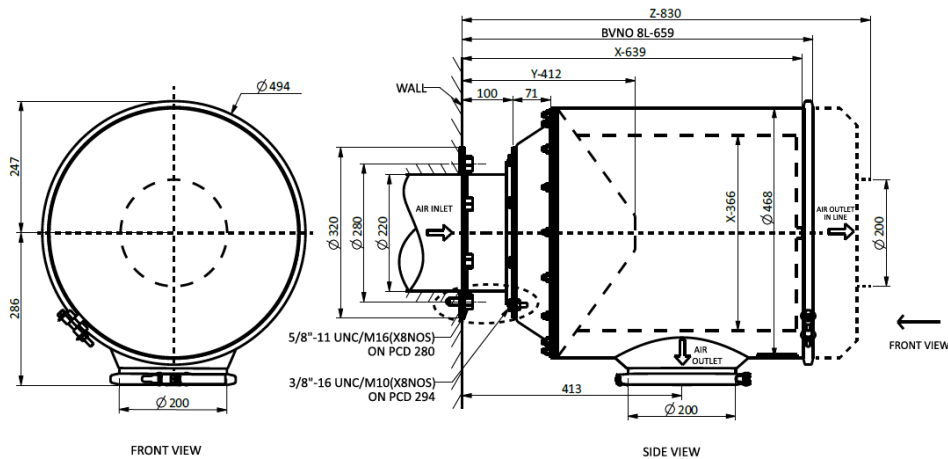
Connecting flange	Operational blast pressure durability	Max. blast pressure durability	Mechanical shock resistance
8 inch	>900 (9) kPa (bar)	>2000 (20) kPa (bar)	>12 g



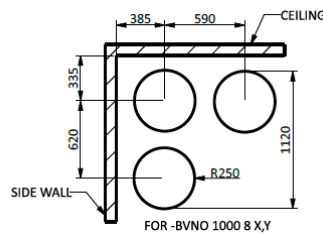
BVNO 600 8L AND VARIANTS



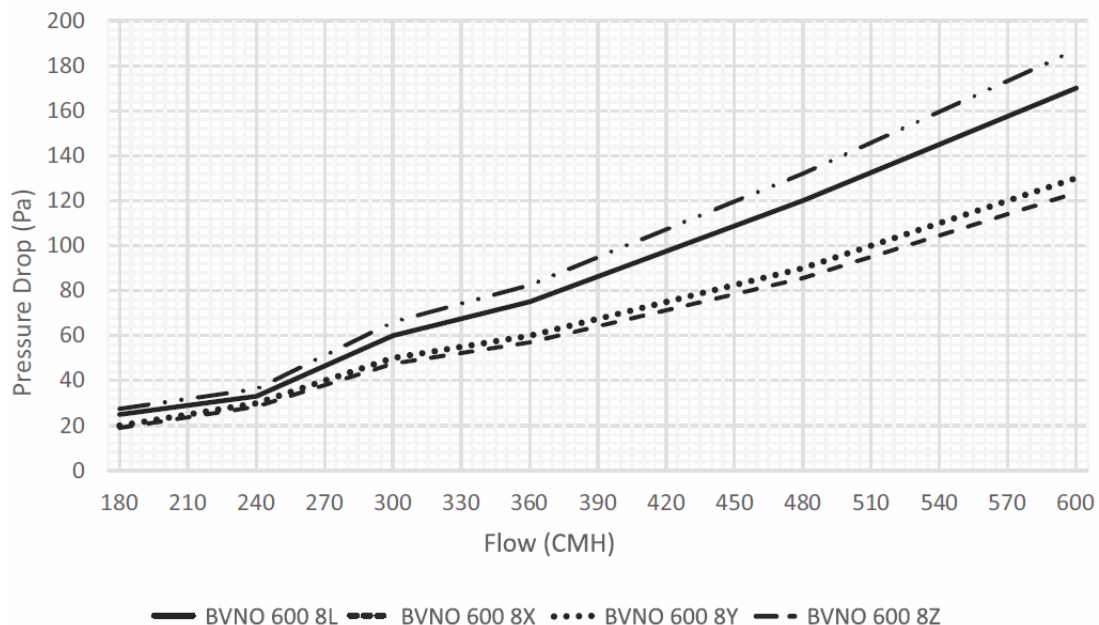
Connecting flange	Operational blast pressure durability	Max. blast pressure durability	Mechanical shock resistance
8 inch	>900 (9) kPa (bar)	>2000 (20) kPa (bar)	>12 g



BVNO 1000 8L	WITH 90 DEG HOUSING (FOR NO: WITH PREFILTER)
BVNO 1000 8X	WITH PREFILTER
BVNO 1000 8Y	ONLY VALVE WITH PROTECTION
BVNO 1000 8Z	VALVE WITH INLINE HOUSING

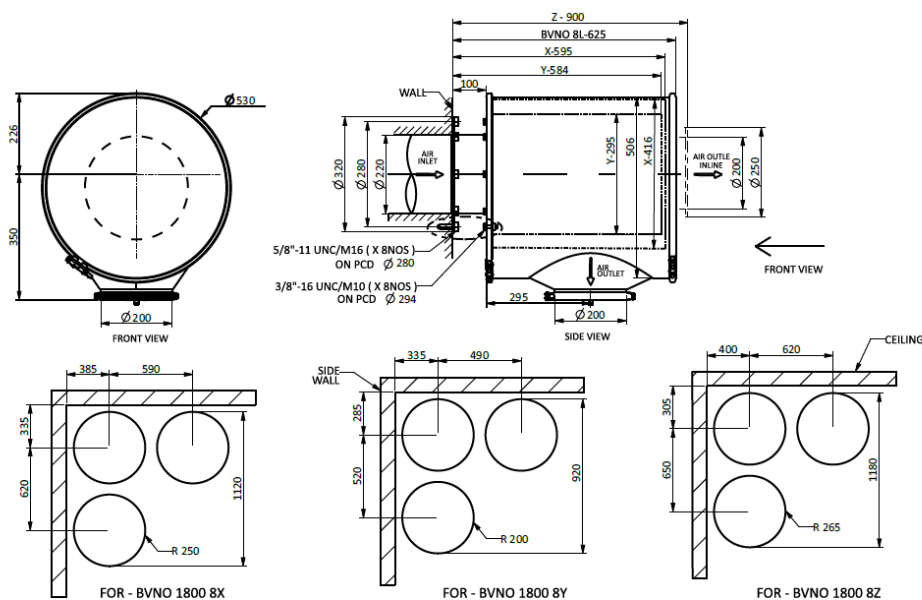


BVNO 600 8L AND VARIANTS



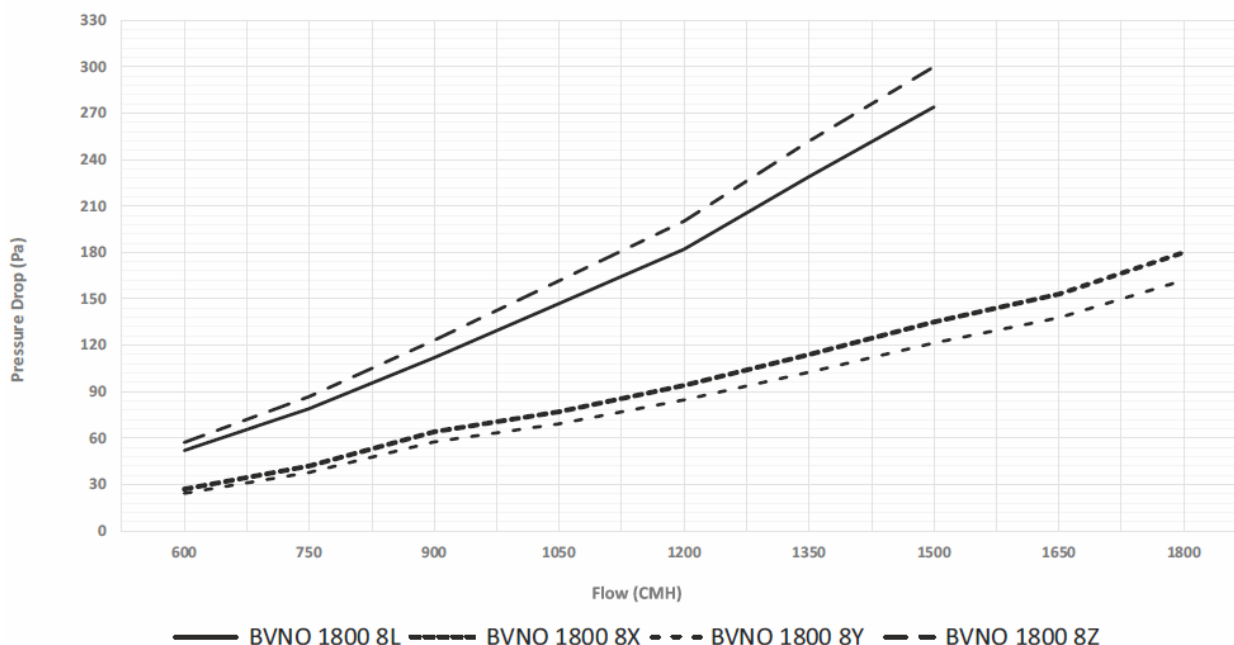


Connecting flange	Operational blast pressure durability	Max. blast pressure durability	Mechanical shock resistance
8 inch	>900 (9) kPa (bar)	>2000 (20) kPa (bar)	>12 g

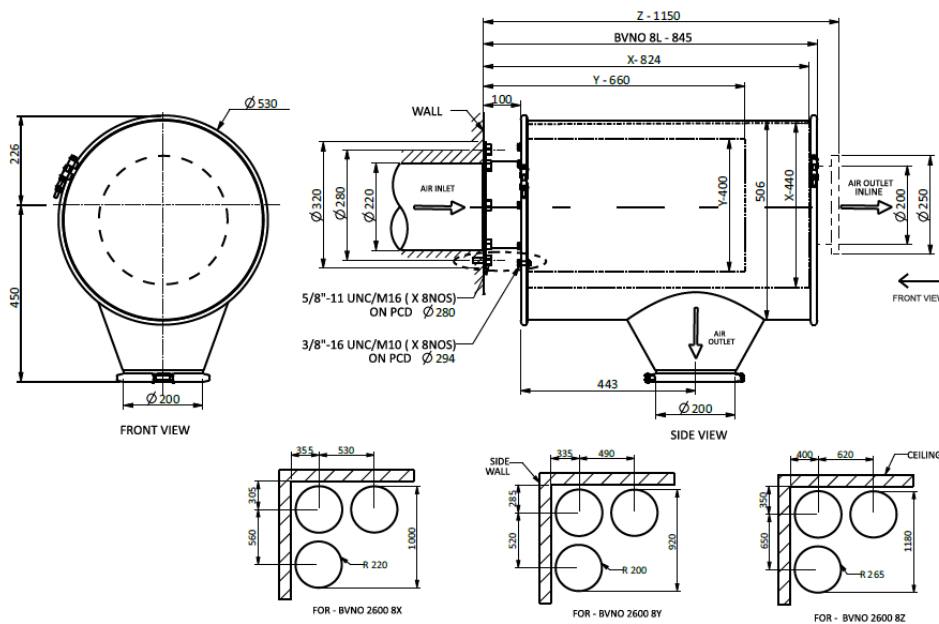


SR.NO	MODEL NAME	DESCRIPTION
1	BVNO 1800 8L	WITH 90 DEG HOUSING (FOR NO: WITH PREFILTER)
2	BVNO 1800 8X	WITH PREFILTER
3	BVNO 1800 8Y	ONLY VALVE WITH PROTECTION
4	BVNO 1800 8Z	VALVE WITH INLINE HOUSING

BVNO 1800 8L AND VARIANTS

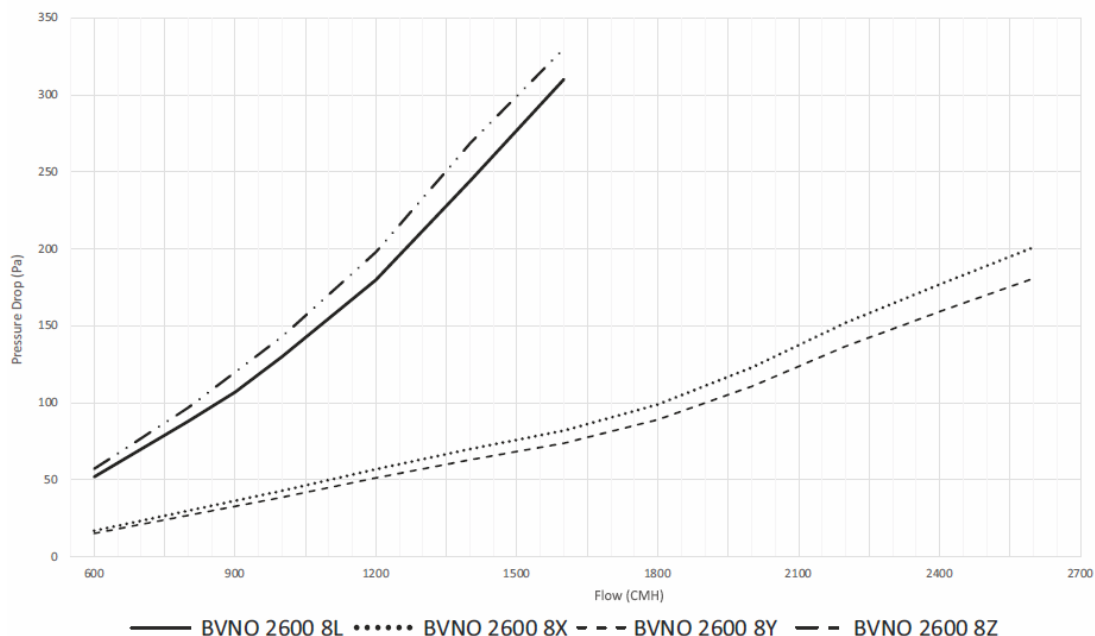


Connecting flange	Operational blast pressure durability	Max. blast pressure durability	Mechanical shock resistance
8 inch	>900 (9) kPa (bar)	>2000 (20) kPa (bar)	>12 g



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	VAVLE WITH INLINE HOUSING

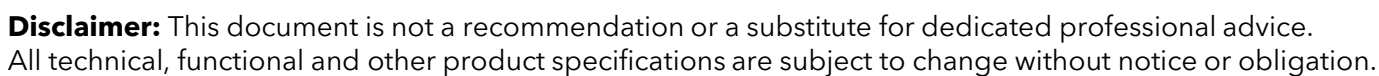
BVNO 2600 8L AND VARIANTS

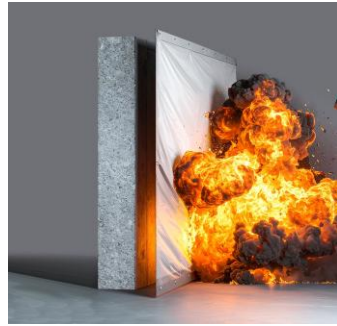




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**DISCLAIMER: THESE DIMENSION CONSIDER ONLY SIZE LIMITS OF THE VALVE AND DO NOT CONSIDER STRUCTURAL OR OTHER REGULATION OF ANY OTHER STANDARD**





## 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)