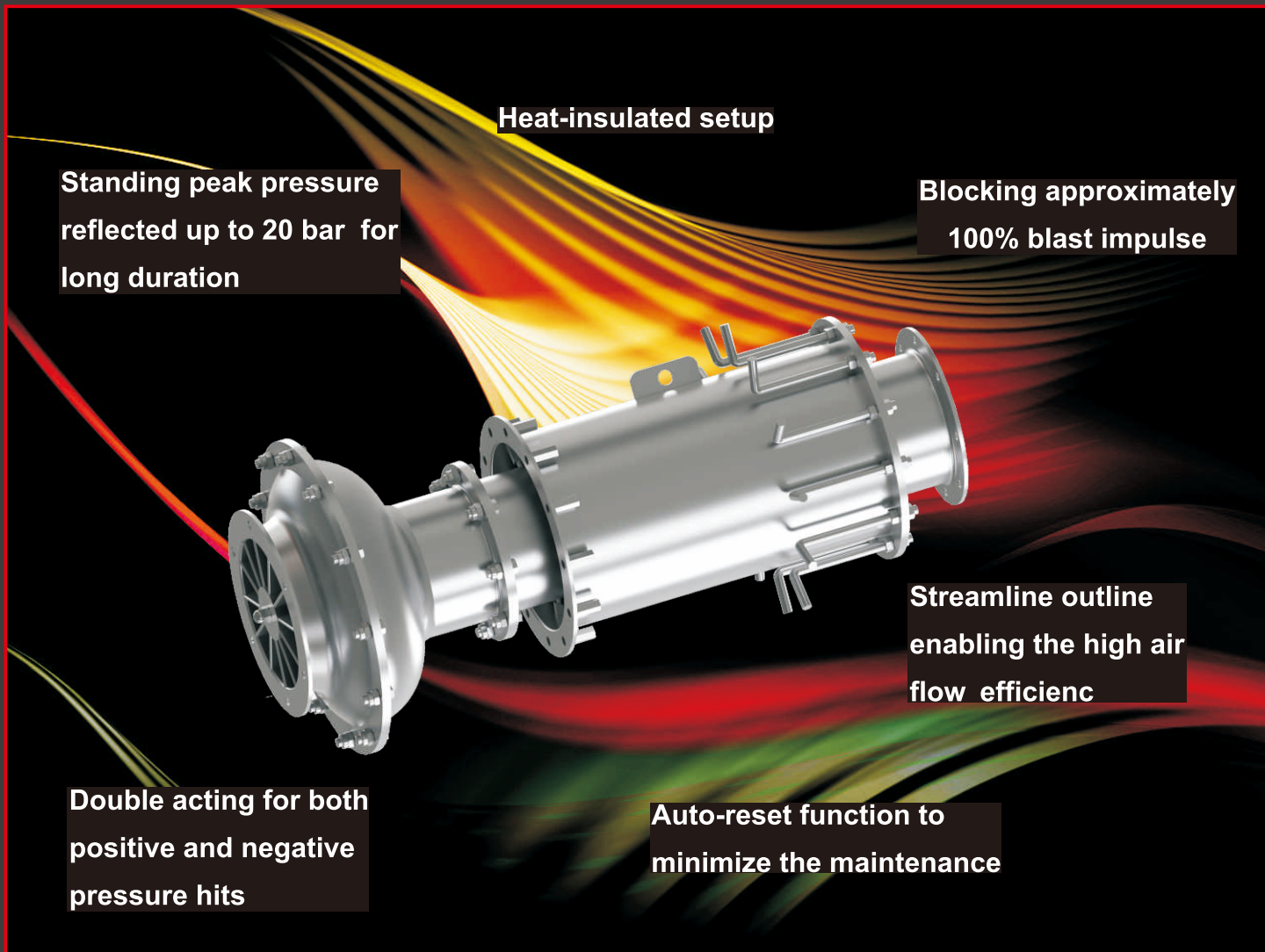


FC-RBV-31(E) High Performance Exhaust Blast Valves



FC-RBV-31(E) High Performance Exhaust blast valves are specifically developed for exhaust systems which require blast protection from high-peak blast pressure. It can work under temperature range of -30°C to $+520^{\circ}\text{C}$, stand the overpressure up to 20 bar reflected and shut off in milliseconds blocking 99% blast impulse. It also could stand multiple blast impacts and maintain full functions after blasts. Its stream-line shape enables the high air flow efficiency. FC-RBV-31(E) High Performance Exhaust blast valves mainly serve hardened shelters in civil defense and military.

[Product Features and Benefits]

- > **High performance of blast resistance**
Being able to stand multiple blast impacts with peak pressure reflected up to more than 20 bar and maintain all functions after blasts.
- > **High performance of protection**
Being able to completely close in very short time to assure approximately 100% impulse block rate.
- > **Heat-insulated setup**
Being able to work as passage of exhausted gas while providing blast protection.
- > **High ventilation volume**
Ensuring the high air flow efficiency with the streamline design.
- > **Automatic-reset**
Being able to retrieve ventilation function automatically after the blast so as to minimize the maintenance.
- > **Double acting**
Providing protection from both positive pressure hit and sucking phase.
- > **High corrosion resistant performance**
Being made of chemical-resistant materials and fit for all corrosive conditions.

[Part Number]

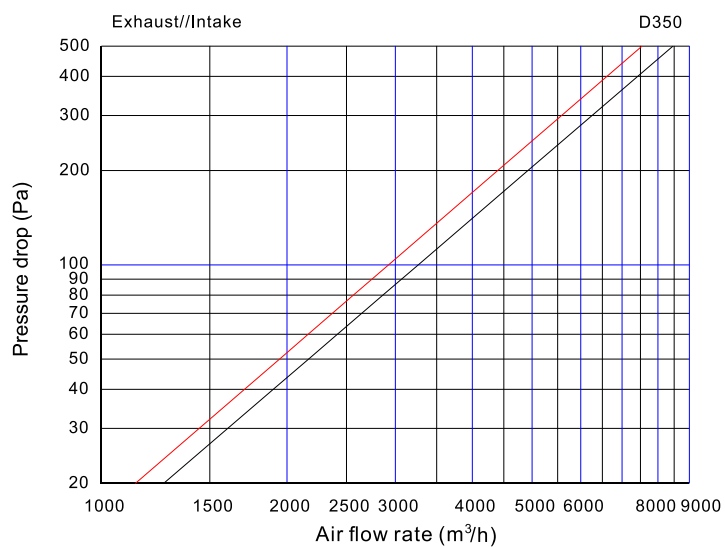
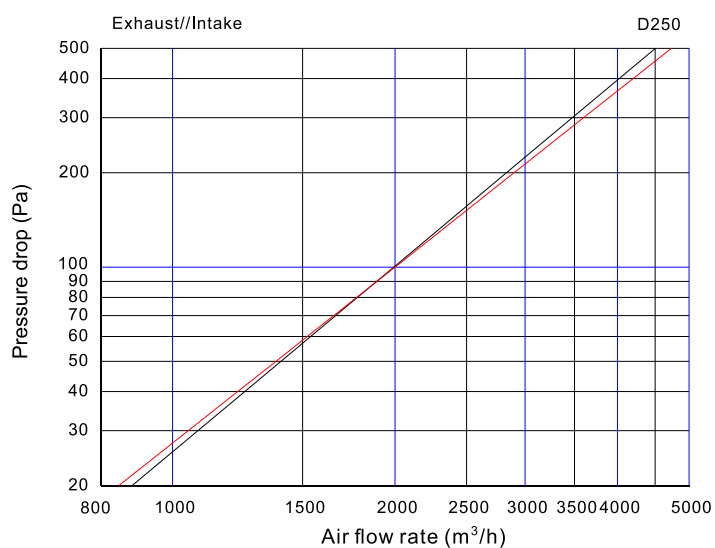
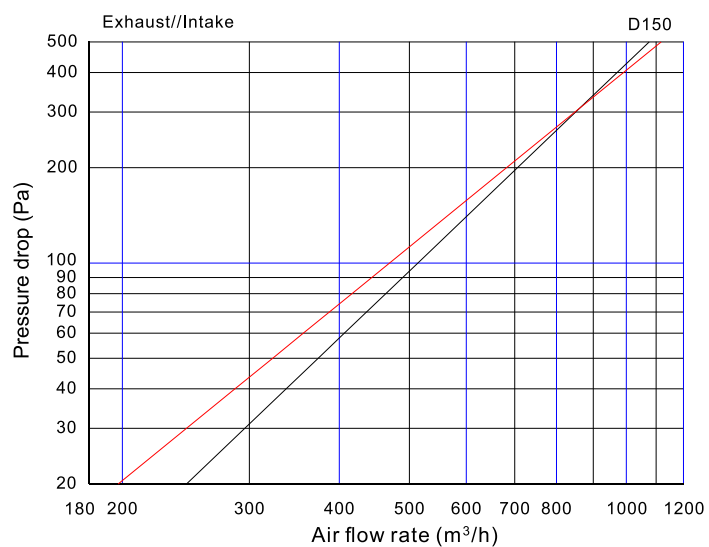
ATO PN: FCRBV31(E)-[A]-[B]-[C]

A	B	C
Model	Materials of valve body	Materials of blade
1-D150 2-D250 3-D350	1-Stainless Steel 316 2-Stainless Steel 304 3-Hot galvanized steel	1-Stainless Steel 316 2-Stainless Steel 304

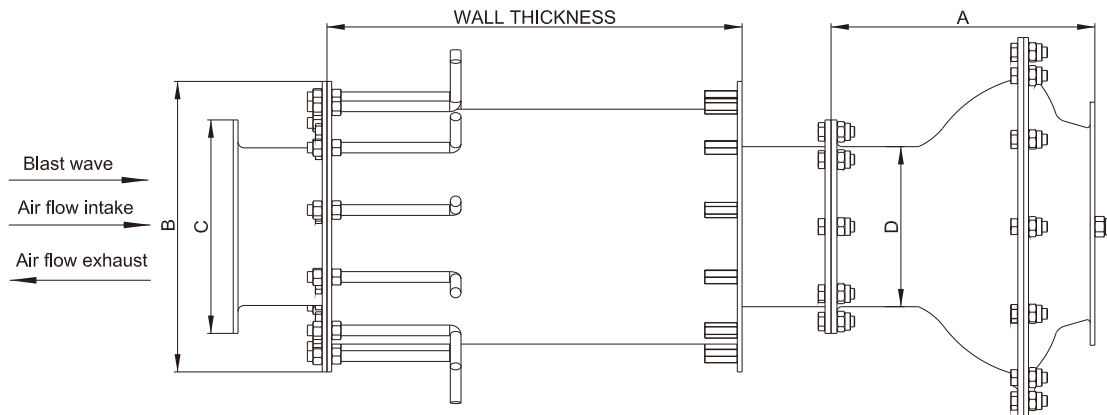
[Product Specifications]

Designed peak pressure: >20 bar peak pressure reflected
 Designed blast duration: >15 ms
 Impulse block rate:> 99%
 Design working temperature: -30 °C ~ 520 °C
 Certification: Product is type tested by VTT, Finland

[Air Flow vs Pressure drop]



[Installation size]



MODEL	Width x Height of wall sleeve (mm)	A (mm)	B (mm)	C (mm)	D (mm)	Wmin (mm)	Net weight by Wall thickness of 600mm (kg)
FC-RBV-31(E)-D150	375x375	270	Φ485	Φ260	Φ150	300	100
FC-RBV-31(E)-D250	450x450	552	Φ560	Φ370	Φ250	300	200
FC-RBV-31(E)-D350	750x750	714	Φ860	Φ490	Φ350	300	345

FuCare
Innovations for better protection

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