

Explosion Isolation Flap Valve CARZ-NS Ø160-250mm

Explosion Isolation Flap Valve CARZ-NS - protective system for combustible dust applications



Explosion Isolation Flap Valve CARZ-NS Ø160-250mm

- ✓ Independently tested to latest and most stringent standards and regulations
- ✓ Compliant with international dust explosion protection codes (ATEX, NFPA69, IECEx)
- ✓ Widest range of sizes, applications and filter system configurations on the market (e.g. approval for positive and negative pressure systems, approval for metal dust, approval for St2 dust)
- ✓ Manufactured fully by Nederman under certified quality assurance system, ensuring highest level of quality and reliability

Explosion Isolation Flap Valve type CARZ-NS prevents a transmission of explosion pressure wave and flames front from the filter to your workplace. By using our CARZ-NS Explosion Isolation Flap Valve, you reduce the risk from dust explosion for both people and equipment.

Function

During normal operation, the valve is kept open, and large opening angle ensure low pressure drop. In case of an explosion in the filter, the pressure wave will force to close the flap plate and lock in position. When flap plate is closed it makes an effective barrier against approaching flame front. This prevent the explosion from being transmitted from the filter to upstream work areas.

No matter what industry you are in or what type of dust is generated in your factory, we can provide the complete dust explosion protection solution of filters, and explosion isolation flap valves.

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Certifications	[ce], [ex]
Operating temperature range	-20 - +70°C (0 - 160 F)
Ambient temperature range	-20 - +60°C (0 - 140 F)
[ItemDuctConnection]	FL
[ItemExClassEX]	St2
[ItemDustConcentration]	organic dust: Any; metal dust: < LEL
[ItemMaxVelocity]	35
[ItemMinVelocity]	0
[ItemMinVesselSizePush]	0.46
[ItemPushPull]	Push and Pull
[ItemMinVesselSizePull]	0.46
[ItemDustType]	[metallicorganic]

Models

	Item no	Diameter (in)
	73008486 ^[1]	160
	73008487 ^[1]	180
	73008488 ^[1]	200
	73008489 ^[1]	250

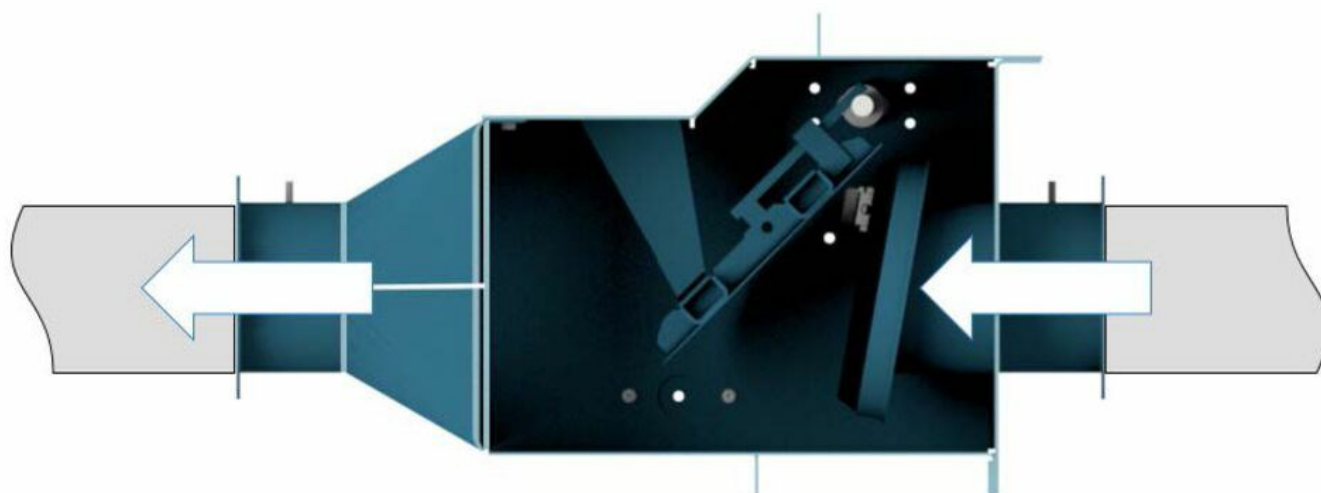
^[1] Organic dust - PUSH & PULL; metal dust - PULL only

Accessories

	Accessory	Item no
	Limit switch XCM-D - plunger - 2 x (1 NC + 1 NO) - II2 D-Ex tb IIIC T85°C Db IP66/67	73007978
	Limit switch XCM-D - M12 metal end plunger - 1NC + 1 NO - snap - 5 m	73007979



Explosion direction



Suction direction

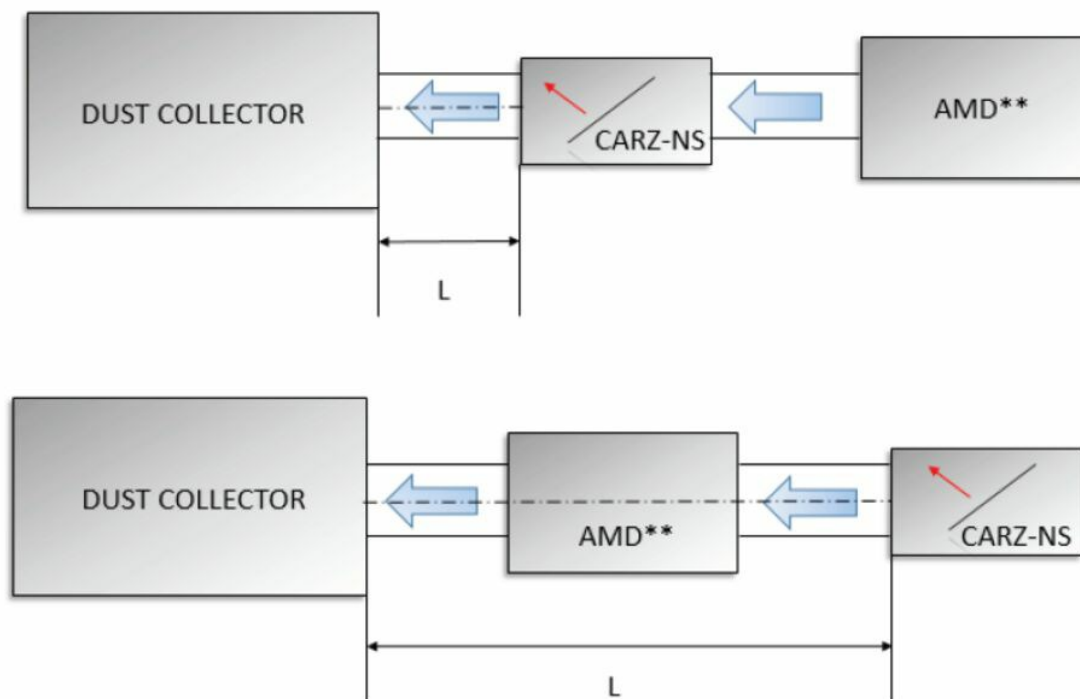


PULL configuration **AMD = Air moving device or fan

Patent protected product:

- EP patent: EP 3 343 077
- USA: US 10 315 059
- China: 201711349554.2

Patent protected product



PUSH configuration **AMD = Air moving device or fan