

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)
[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]
[ItemPred]	0,5

Models

	Item no	Diameter (mm)	Connection
	73008219 ^[1]	160	QF
	73008218 ^[1]	160	FL
	73008220 ^[1]	160	NW
	73008399 ^[1]	180	QF
	73008398 ^[1]	180	FL
	73008400 ^[1]	180	NW
	73008402 ^[1]	200	QF
	73008401 ^[1]	200	FL
	73008403 ^[1]	200	NW
	73008405 ^[1]	250	QF
	73008404 ^[1]	250	FL
	73008406 ^[1]	250	NW

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

Accessories

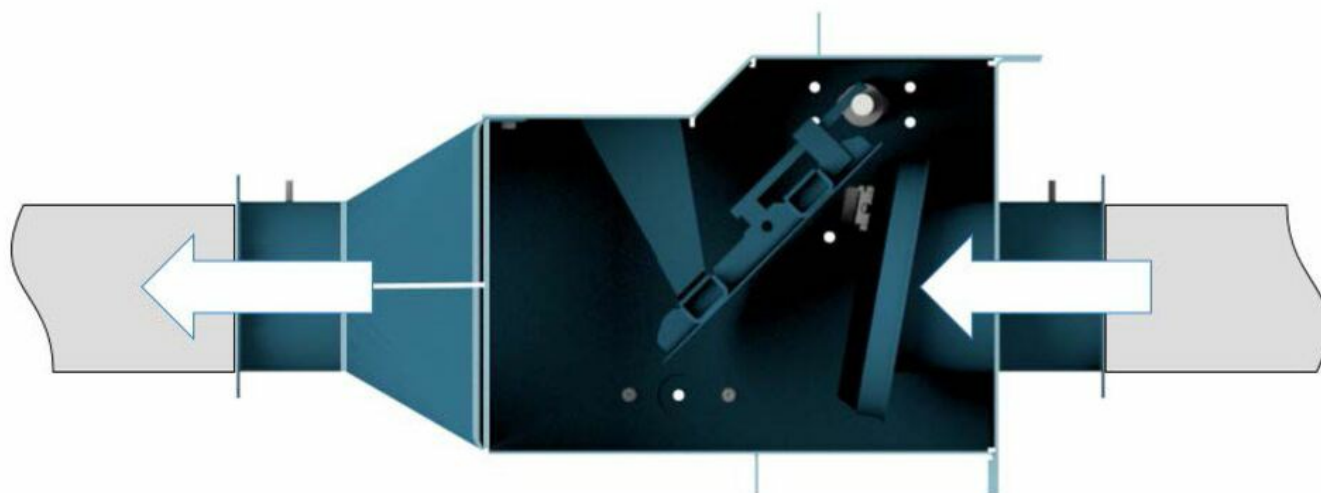
	Accessory	Item no
	CARZ support frame suspended 160	73001558
	CARZ support frame suspended 180	73001559
	CARZ support frame suspended 200	73001560
	CARZ support frame suspended 315	73001562
	CARZ support frame suspended 350	73001563
	CARZ support frame suspended 400	73001564
	CARZ support frame suspended 500	73001566
	CARZ support frame suspended 710	73001569
	Carz support frame suspended 900	73001571
	CARZ support frame suspended 1000	73001572
	CARZ support frame wall-hanging 160	73001573
	CARZ support frame wall-hanging 180	73001574
	CARZ support frame wall-hanging 200	73001575

Accessories

	Accessory	Item no
	CARZ support frame wall-hanging 250	73001576
	CARZ support frame wall-hanging 315	73001577
	CARZ support frame wall-hanging 350	73001578
	CARZ support frame wall-hanging 400	73001579
	CARZ support frame wall-hanging 450	73001580
	CARZ support frame wall-hanging 500	73001581
	CARZ support frame wall-hanging 560	73001582
	CARZ support frame wall-hanging 900	73001586
	CARZ support frame wall-hanging 1000	73001587
	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

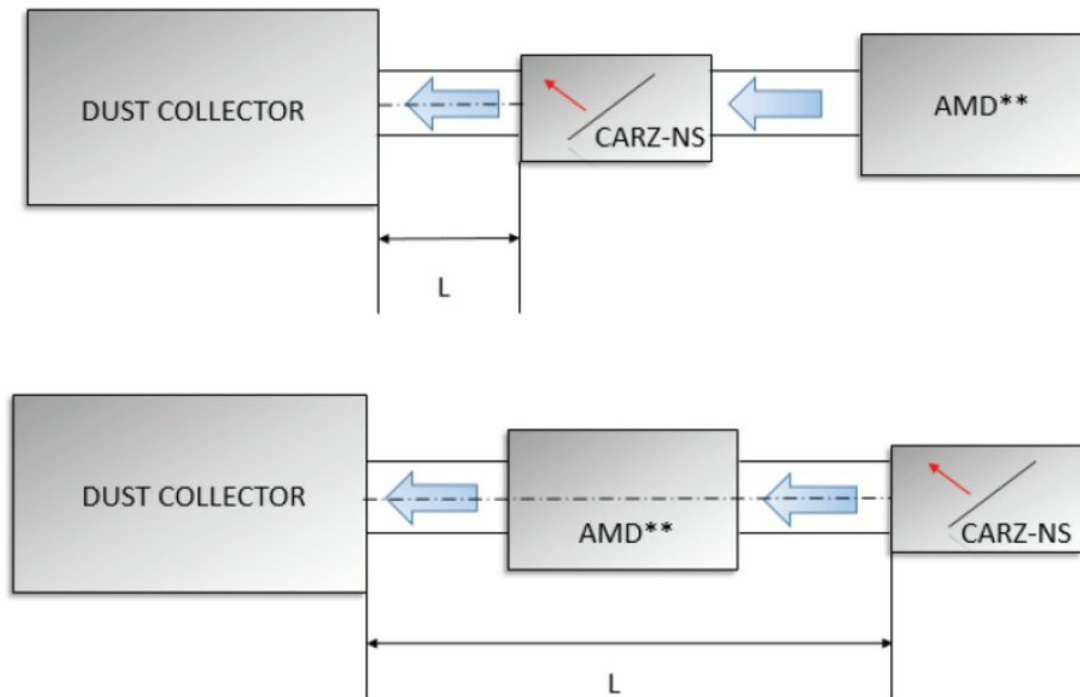


PULL configuration **AMD = Air moving device or fan

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