

## Explosion Isolation Flap Valve CARZ-N 315-1000mm

爆炸隔离阀CARZ-N——用于可燃粉尘应用的保护系统。



"CARZ-N爆炸隔离阀能够防止除尘器内的爆炸压力波和火焰通过管道传播到其他工艺单元。使用我们的CARZ-N隔爆阀可以减少粉尘爆炸对工作人员和设备产生的危害。"

### 工作原理

在系统正常操作的条件下，隔爆阀为打开状态。当除尘器内发生爆炸时，爆炸压力波推动闭合装置紧闭于密闭片上，当关闭时，隔离阀被锁定，并且有效阻止爆炸产生的火焰和压力波从除尘器传播到其他工艺单元。
















我们为各个行业提供全面的防爆除尘解决方案和防爆隔离阀产品，可用于处理各类可燃粉尘，满足您的多样化需求。"

已经过独立测试，满足最新且最严苛的标准和法规  
符合国际粉尘防爆标准（ATEX、NFPA69、IECEX）  
市面上最齐全的尺寸选择和除尘器配置，以及最广的应用范围  
（可用于正负压系统，用于St2级粉尘的隔爆阀最大接口尺寸可达630mm）  
由尼的曼在认证质量保证体系下制造，保证了最高水平的质量和可靠性。











品名	Explosion Isolation Flap Valve CARZ-N 315-1000mm
材料	Welded carbon steel, painted RAL5009
作业温度	-20 - +70° C (0 - 160F)
环境温度范围	-20 - +60° C (0 - 140F)
技术数据声明	LEL = Lower Explosion Limit = MEC Minimum Explosion Concentration
Max velocity in duct (m/s)	30
Minimum velocity in duct	0
Install type	Push and Pull



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[image]	直径 (mm)	Connection	重量 (公斤)	Explosion Class ATEX	Dust Concentration in duct	Minimum vessel size, push (m3)	Minimum vessel size, pull (m3)	Dust type	Kst (bar m/s)	Maximum reduced pressure, Pred (bar)	产品编号
	450	FL	175	St2	ST1: Any; ST2: < LEL	1,6	0,9		300	ST1: 0,5 bar; ST2: 0,4 bar	73007816*
	450	NW	175	St2	ST1: Any; ST2: < LEL	1,6	0,9		300	ST1: 0,5 bar; ST2: 0,4 bar	73007817*
	500	FL	200	St2	ST1: Any; ST2: < LEL	1,6	1,6		300	ST1: 0,5 bar; ST2: 0,4 bar	73007839*
	500	NW	200	St2	ST1: Any; ST2: < LEL	1,6	1,6		300	ST1: 0,5 bar; ST2: 0,4 bar	73007840*
	560	FL	224	St2	ST1: Any; ST2: < LEL	1,6	1,6		300	ST1: 0,5 bar; ST2: 0,4 bar	73007845*
	560	NW	224	St2	ST1: Any; ST2: < LEL	1,6	1,6		300	ST1: 0,5 bar; ST2: 0,4 bar	73007846*
	630	FL	260	St2	ST1: Any; ST2: < LEL	1,6	1,6		300	ST1: 0,5 bar; ST2: 0,4 bar	73007851*
	630	NW	260	St2	ST1: Any; ST2: < LEL	1,6	1,6		300	ST1: 0,5 bar; ST2: 0,4 bar	73007852*
	710	FL		St1	Any	3,2	3,2		200	PULL: 0,35 bar; PUSH: 0,4 bar	73008055
	710	NW	566	St1	Any	3,2	3,2		200	PULL: 0,35 bar; PUSH: 0,4 bar	73008056
	800	FL	431	St1	Any	3,2	3,2		200	PULL: 0,35 bar; PUSH: 0,4 bar	73008058
	800	NW	431	St1	Any	3,2	3,2		200	PULL: 0,35 bar; PUSH: 0,4 bar	73008059
	900	FL	490	St1	Any	3,2	3,2		200	PULL: 0,35 bar; PUSH: 0,4 bar	73008060
	900	NW	490	St1	Any	3,2	3,2		200	PULL: 0,35 bar; PUSH: 0,4 bar	73008061
	1000	FL	566	St1	Any	3,2	3,2		200	PULL: 0,35 bar; PUSH: 0,4 bar	73008062

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	1000	NW	566	St1	Any	3,2	3,2		200	PULL: 0,35 bar; PUSH: 0,4 bar	73008063
	315	FL		St2	Any	0,46	0,46		300	0,5	73008407
	315	NW		St2	Any	0,46	0,46		300	0,5	73008408
	350	FL		St2	ST1: Any; ST2: < LEL	1,6	0,9		300	ST1: 0,5 bar; ST2: 0,4 bar	73008409*
	350	NW		St2	ST1: Any; ST2: < LEL	1,6	0,9		300	ST1: 0,5 bar; ST2: 0,4 bar	73008410*
	400	FL		St2	ST1: Any; ST2: < LEL	1,6	0,9		300	ST1: 0,5 bar; ST2: 0,4 bar	73008411*
	400	NW		St2	ST1: Any; ST2: < LEL	1,6	0,9		300	ST1: 0,5 bar; ST2: 0,4 bar	73008412*
	315	QF		St2	Any	0,46	0,46		300	0,5	73008413
	350	QF		St2	ST1: Any; ST2: < LEL	1,6	0,9		300	ST1: 0,5 bar; ST2: 0,4 bar	73008414*
	400	QF		St2	ST1: Any; ST2: < LEL	1,6	0,9		300	ST1: 0,5 bar; ST2: 0,4 bar	73008415*

\*LEL = Lower Explosion Limit = MEC Minimum Explosion Concentration

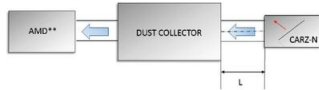
## Explosion Isolation Flap Valve CARZ-N 315-1000mm

	附件	产品编号
	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 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
	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

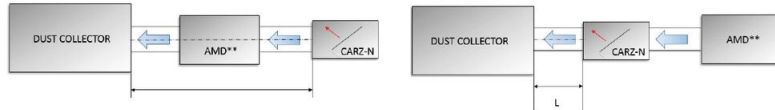
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### Special installation requirements

#### PULL configuration



#### PUSH configuration



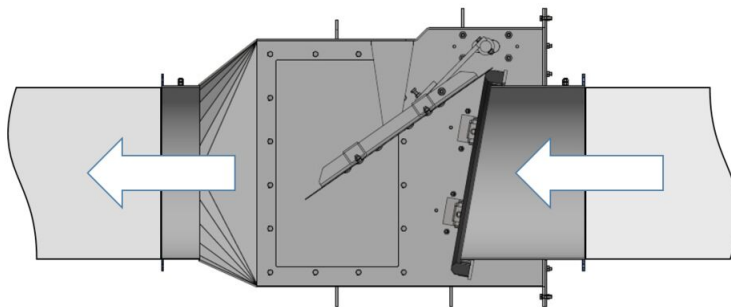
\*\*AMD=Air moving device or fan

Parameter	Dust type	Size 315 mm	Size 350 - 450 mm	Size 500 - 1000 mm
L min	Organic	5 m (16.4 ft) for PULL & PUSH	5,5 m (18 ft) for PULL 5 m (16.4 ft) for PUSH	5,5 m (18 ft) for PULL 5 m (16.4 ft) for PUSH
	Metallic	5,3 m (17.4 ft) only for PULL	5,5 m (18 ft) only for PULL	N/A
L max	Organic	10,2 m (33.5 ft) for PULL 10 m (32.8 ft) for PUSH	10 m (32.8 ft) for PULL & PUSH	10 m (32.8 ft) for PULL & PUSH
	Metallic	10,3 m (33.8 ft) only for PULL	10,5 m (34.5 ft) only for PULL	N/A
Max. flow velocity		30 m · s <sup>-1</sup> (5,906 fpm)		
Max. number of bends (between CARZ-N and protected vessel)		straight duct with max. 2 bends 90 dgr		

AMD\*\*=Air moving device or fan

L=for min and max ducting lengths, see specific part numbers.

Suction direction



Suction direction

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