

# TECHNICAL SPECIFICATION

## *Certified Air Cannon - CNN*



**Product Description**



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## PRODUCT DESCRIPTION

Mecair produces a complete series of air cannons to dislodge all types of dust which stick to the walls of the hoppers and the bottom of the silos. These devices are more efficient than «fluidification» and «vibration» systems especially with particularly sticky dust. The air cannons consist of two basic elements: the first is the Mecair diaphragm valve with an extremely high flow rate and the second is an air accumulator. The valves are quick-opening and discharge instantaneously the pneumatic energy of the tank on which they are mounted, striking the material to be dislodged with a violent impulse of compressed air. A strong vibration spreads to all parts of the product, causing the dust to fall, without stressing the silos structure.



## PRODUCT VARIATIONS

The air cannons are available in 4 versions:

- CNN5: diaphragm valve VEP206 (3/4") + 105 litres air accumulator
- CNN15: diaphragm valve VEP208 (1") + 115 litres air accumulator
- CNN25: diaphragm valve VEP212 (1 1/2") + 125 litres air accumulator
- CNN50: diaphragm valve VEP216 (2") + 150 litres air accumulator



## CONSTRUCTION

Valve

Top cover Die-cast aluminium

Body Die-cast aluminium

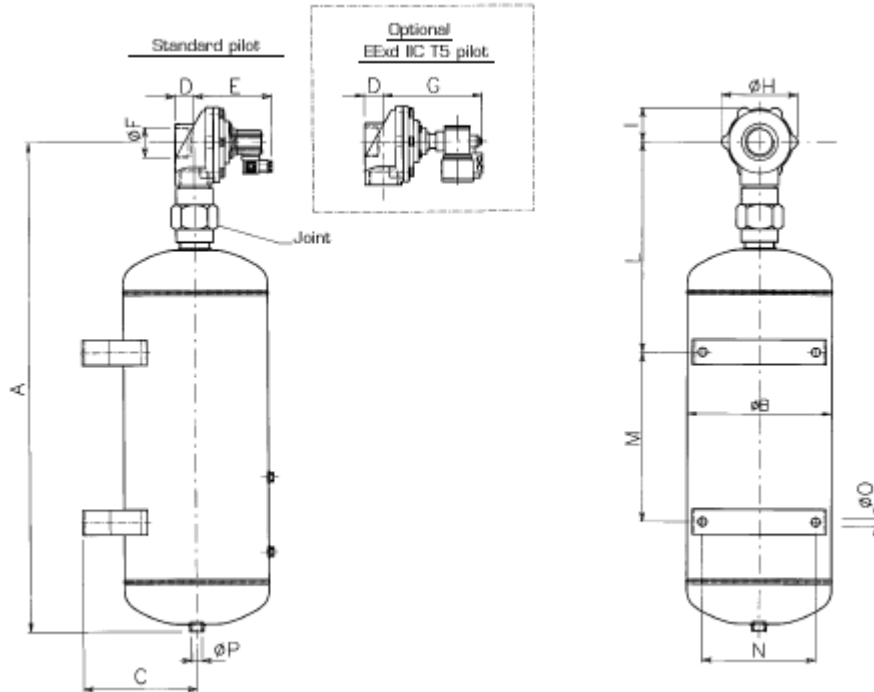
Bolts and screws Stainless steel

Air Accumulator

Carbon steel

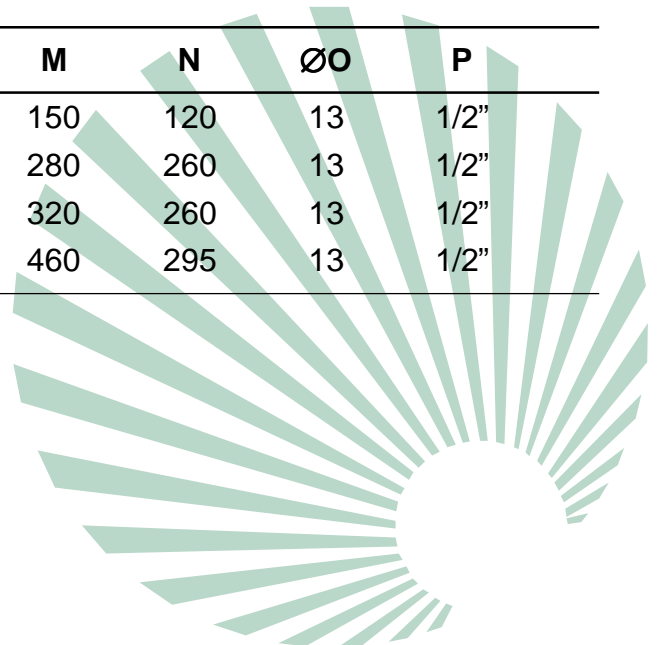


## DIMENSIONAL DETAILS (mm)



Model	A	ØB	C	D	E	ØF
CNN5	515	141,3	100	18	100	3/4"
CNN15	605	219,1	160	23	100	1"
CNN25	895	219,1	160	31	122	1 1/2"
CNN50	1180	273	200	35	171	2"

Valve	G	ØH	I	L	M	N	ØO	P
VEP206	140	60	34	230	150	120	13	1/2"
VEP208	140	72	38	220	280	260	13	1/2"
VEP212	162	135	58	362	320	260	13	1/2"
VEP216	211	160	75	445	460	295	13	1/2"



## **SAFETY RECOMMENDATIONS**

The anchorage feet must always be fixed before supplying the tank compressed air.

Before dismantling the tank cut the supply of compressed air and carry out blasts of air until the tank is completely empty.

Supply with compressed air filtered, oil free and reduced with a maximum pressure of 7,5 bar.

