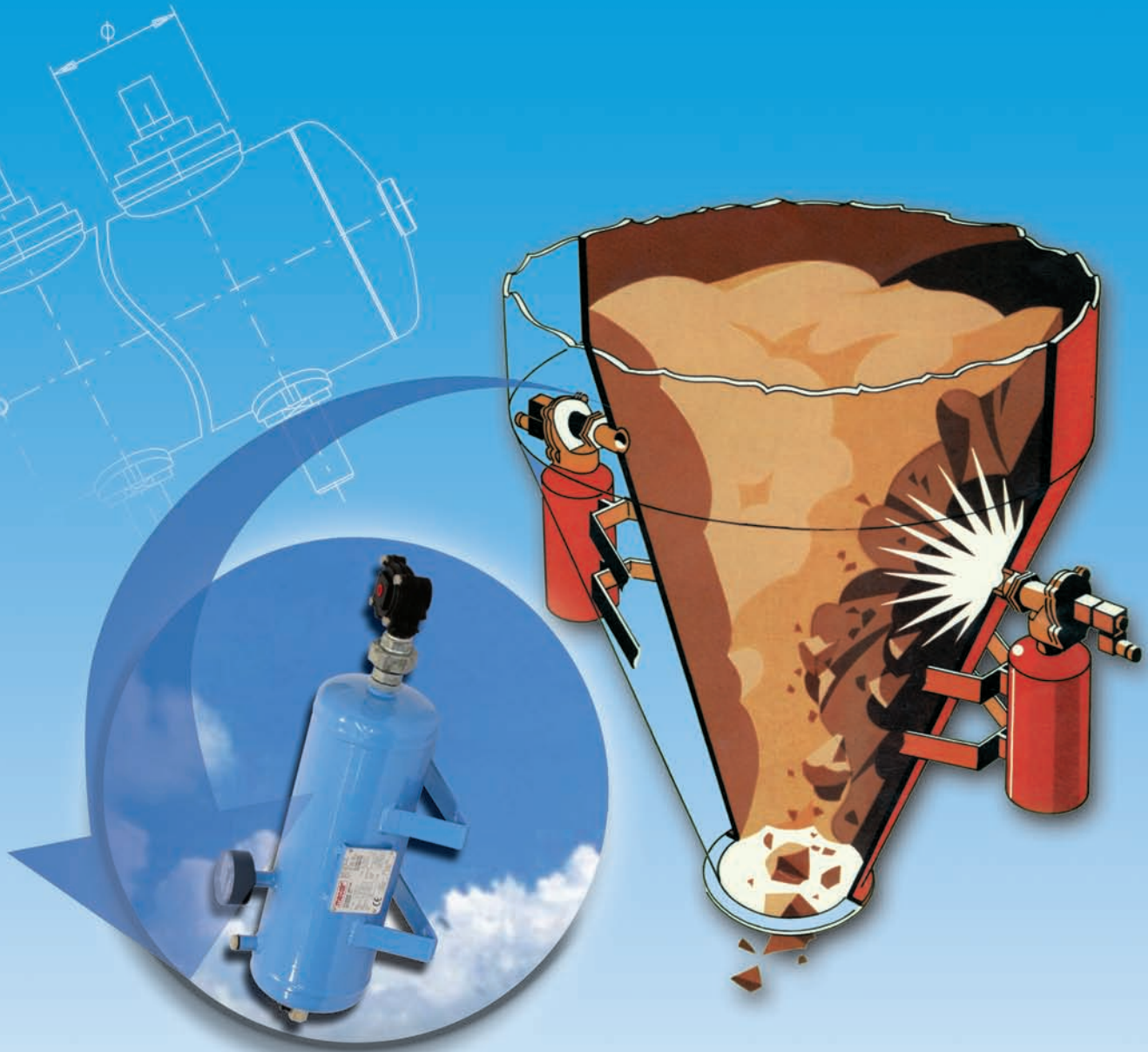




# Pneumatic Air Cannons

## CE Certified

## DESCRIPTION

## Pneumatic Air Cannons

**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.

The air cannons are available in 4 versions:

| MODEL | TYPE                                                        | WEIGHT  |
|-------|-------------------------------------------------------------|---------|
| CNN5  | Diaphragm valve VNP 206 (3/4") + 5 litre air accumulator    | 7 Kg    |
| CNN15 | Diaphragm valve VNP 208 (1") + 15 litre air accumulator     | 13,5 Kg |
| CNN25 | Diaphragm valve VNP 212 (1 1/2") + 25 litre air accumulator | 20 Kg   |
| CNN50 | Diaphragm valve VNP 216 (2") + 50 litre air accumulator     | 43,5 Kg |

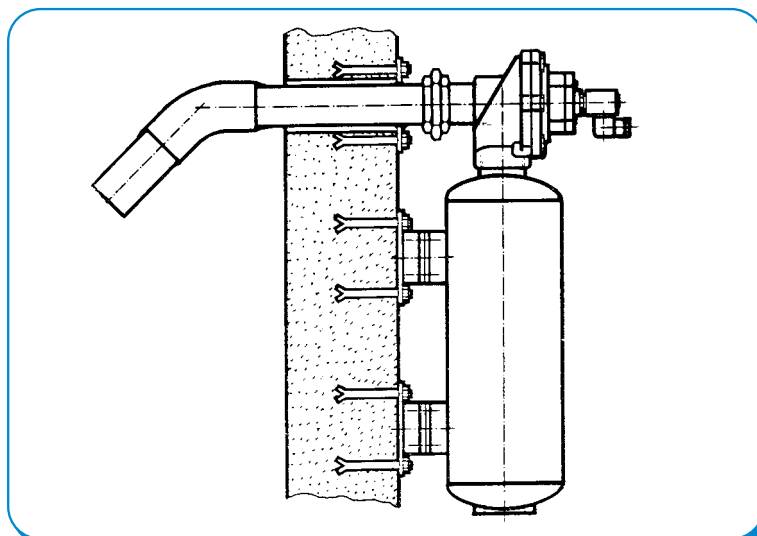
### CONSTRUCTIVE CHARACTERISTICS VALVE

|                  |                               |
|------------------|-------------------------------|
| Top cover        | Die-cast aluminium (Anodised) |
| Body             | Die-cast aluminium (Anodised) |
| Bolts and screws | Stainless steel               |
| Air Accumulator  | Carbon steel                  |

### SAFETY RECOMMENDATIONS

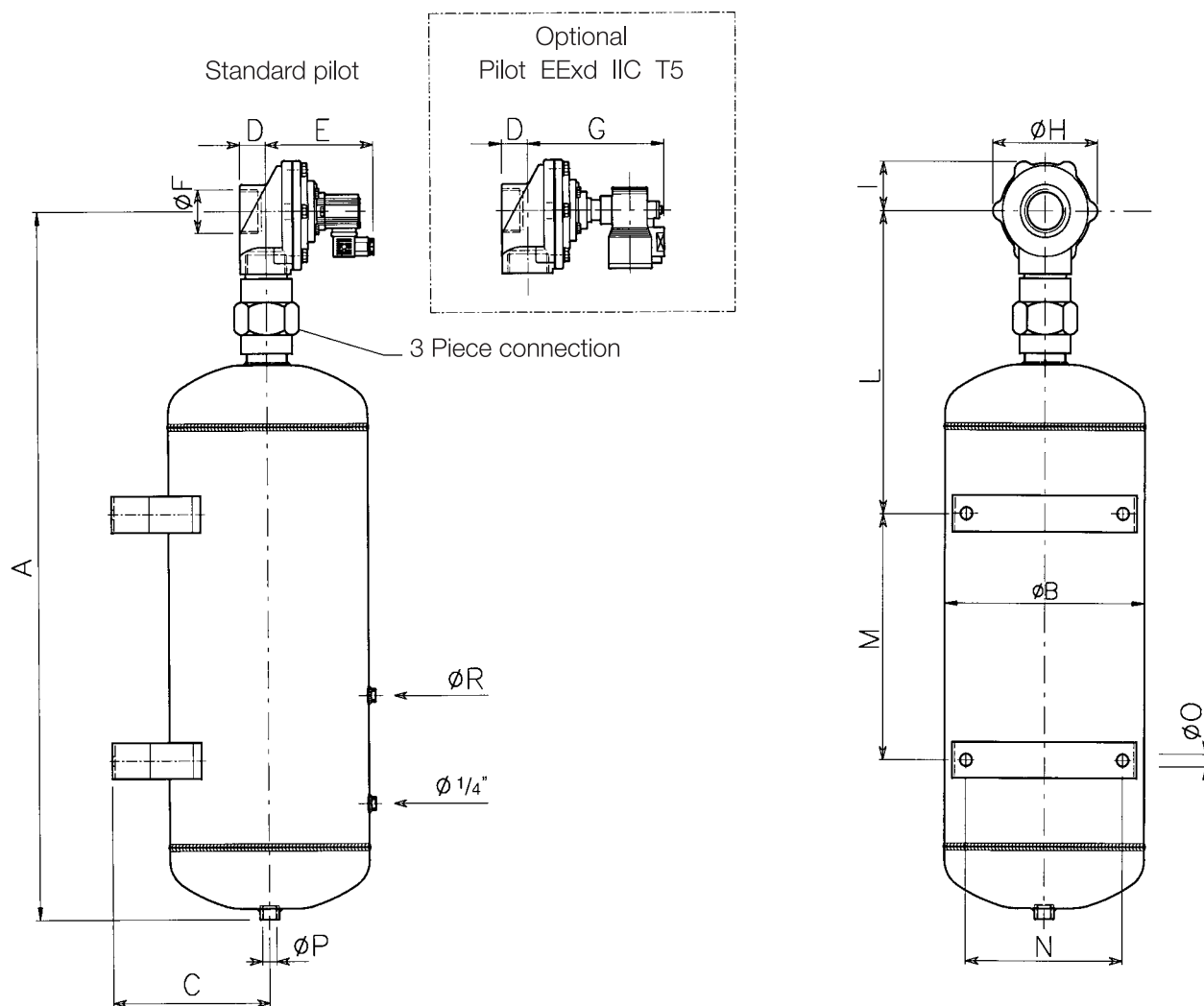
- The anchorage brackets must always be fixed before supplying the tank with compressed air.
- Before dismantling the tank from it's structure, shut off the supply of compressed air and ensure air accumulator has been emptied.
- Supply with compressed air filtered, oil free and with a maximum operating pressure of 0.5bar-7,5 bar.

## EXAMPLE OF INSTALLATION



### DIMENSIONS (mm)

### Pneumatic Air Cannons



| MODEL | A    | Ø B   | C   | D  | E   | Ø F    | VALVE  | G   | Ø H | I  | L   | M   | N   | Ø O | Ø P  | Ø R  |
|-------|------|-------|-----|----|-----|--------|--------|-----|-----|----|-----|-----|-----|-----|------|------|
| CNN5  | 515  | 141,3 | 100 | 18 | 100 | 3/4"   | VNP206 | 140 | 60  | 34 | 230 | 150 | 120 | 13  | 1/2" | 1/2" |
| CNN15 | 605  | 219,1 | 160 | 23 | 100 | 1"     | VNP208 | 140 | 72  | 38 | 220 | 280 | 260 | 13  | 1/2" | 1/2" |
| CNN25 | 895  | 219,1 | 160 | 31 | 122 | 1 1/2" | VNP212 | 162 | 135 | 58 | 362 | 320 | 260 | 13  | 1/2" | 1/2" |
| CNN50 | 1180 | 273   | 200 | 35 | 171 | 2"     | VNP216 | 211 | 160 | 75 | 445 | 460 | 295 | 13  | 1/2" | 1/2" |

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