

Air Cannon & Suction Arm

SIMATEK CO., LTD.

Simatek

Air Pollution Control Systems

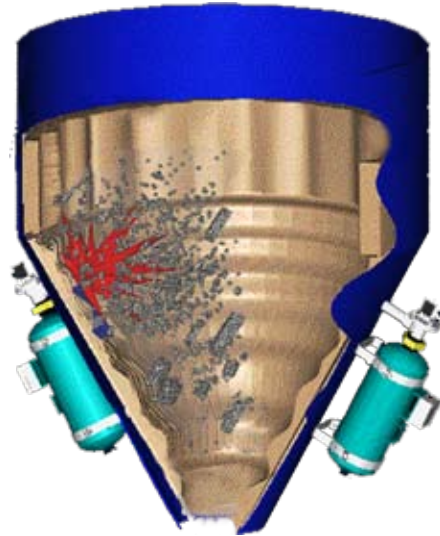
Produces a Complete Series



SIMATEK CO., LTD.



BEFORE



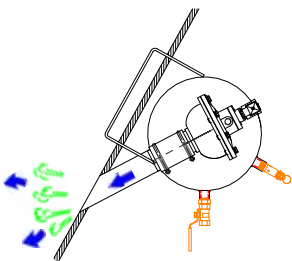
AFTER

SIMATEK

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 SIMATEK 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 5 versions:

- ACN10 diaphragm valve (1") ~ 10 litre
- ACN15 diaphragm valve (1") ~ 15 litre
- ACN25 diaphragm valve (1-1/2") ~ 25 litre
- ACN50 diaphragm valve (2") ~ 50 litre
- ACN75 diaphragm valve (3") ~ 75 litre

VALVE	MATERIAL
Top cover	Die-cast aluminium
Body	Die-cast aluminium
Bolts and screws	Zinc Chromium
AIR ACCUMULATOR	Carbon steel



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.



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Fumes



Welding Smoke



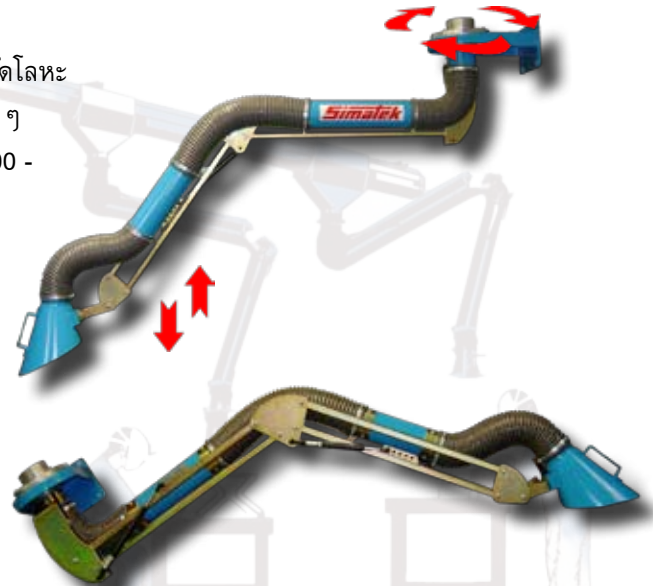
The Simaflow Filter is well suited for the aspiration of dry dust from welding, cutting, thermic spray pharmaceutical production. The cartridges elements is easily installed and maintained. The Simaflow Filter is available up to 20,000 Filter is available up to 20,000 cubic meter of air capacities.

Simafilter เหมาะสำหรับฝุ่น และควันที่เกิดจากการเชื่อม-ตัดโลหะ

เช่น เหล็ก,ทองแดง,สแตนเลสหรือไอกรดในห้องทดลอง,หมอก,ควันต่าง ๆ

Simafilter สามารถออกแบบได้ตามความต้องการตั้งแต่ขนาด 1,000 -

2,000 ลูกบาศก์เมตรต่อชั่วโมง



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