FLASH RETRO VALVE · RETROFIT CONTROL SYSTEM

Keep the tank. Upgrade everything else.

The ACT Group
Environmental Services Division

BULK MATERIAL HANDLING · SINCE 1991

WHY REPLACE THE WHOLE CANNON?

A drop-in valve that outperforms the system it replaces.

Paying too much for replacement valves on your air cannons? Wishing there was a fix that did not mean buying a whole new system? The **Flash Retro Valve** is ACT's retrofittable air cannon control system — patented technology engineered over three and a half years to overcome the shortcomings of every air cannon valve on the market, and built to install directly in **Martin® Hurricane®-style tanks** you already own.

The goal was simple: a reliable product at the best possible price. The result is a valve with **more blast force than any cannon on the market**, fewer wearing parts, and service access that does not require pulling the tank off the wall.



Features

- **More powerful blast force** than any cannon on the market
- **No internal springs** — nothing to break
- Built for corrosive and abrasive materials
- Withstands ambient temperatures up to **400°F***
- **All parts serviceable** without dismounting the tank

*On a 2,000°F kiln, mounting requirements match our original Flash Cannon models — minimum 3' of discharge pipe plus one long-radius bend from the kiln wall.

400°F	0	5-yr
AMBIENT TEMPERATURE RATING	INTERNAL SPRINGS TO BREAK	FLASH FAMILY WARRANTY

Count your cannons, then call us.

Tell us the tank make and count — we will quote the retrofit and the labor. Pair with the Flash SSIV isolation valve for safe maintenance, or ask about the Air Cannon Exchange Program.

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FLASH RETRO VALVE · ENGINEERING ADVANTAGES

Why it outlasts the valve it replaces.

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THE CORE IDEA

The piston lives outside the tank.

In every other air cannon, the activating piston sits in the airflow — battered by turbulence each time the tank fires, wearing the piston, its housing and any spring that closes it. The Flash Retro Valve isolates the activating piston **outside the tank** in its own controlled environment. A permanently lubricated wiper-seal keeps the plunger rod moving freely and keeps contaminants out — no additional lubricators required. The only components inside the tank are the plunger-rod assembly and the seat, both with proprietary corrosion-resistant coatings.



High-temperature service

Rated for 400°F ambient, same as the original Flash Cannon. Kiln, cooler, preheater tower — it belongs there.

Corrosion & abrasion resistant

The contaminants that ride into the tank and destroy conventional valve internals never reach the isolated piston. What they do touch is coated to resist them.

No springs, no flutter

Patented air-control porting does everything springs do in other cannons — close the valve, dampen the piston — without a part that breaks. And with the piston out of the airflow, firing turbulence stops flogging the moving parts.

Sealed & serviced from the flange

A true piston seal stops the constant air seepage of metal-to-metal designs. The control module and seat adaptor service from the tank flange — the tank never comes off the application.

Most suppliers ship you a box. We show up and install it.

ACT crews retrofit, plumb and commission the valves, then keep them firing on a maintenance schedule. OSHA 30 & MSHA Part 46/48 trained, dispatched across CA, NV, OR and WA.

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