

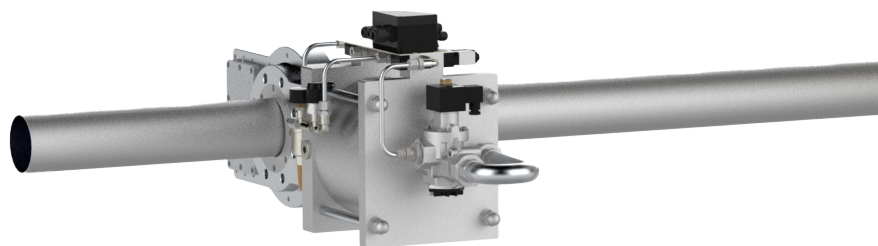


GV TECHNOLOGY®
FIRE AND EXPLOSION PROTECTION

SG

SLIDE
GATE
VALVE





Slide Gate Valve Features Unique Air- Operated Actuation and Fail-Safe Design

Safeguarding pneumatic conveying lines from explosion hazards while keeping product flowing smoothly can be a challenge, particularly if you have to worry about maintenance and require a fail-safe design for your process.

The Interceptor®-SG® slide gate valve can help protect your equipment, people, and plant from deflagration- or explosion-related damage by mechanically closing when the valve receives a signal that a deflagration is occurring in the system. This high-strength slide gate valve can be reset in the field at the press of a button without vendor service or valve replacement if the valve activates accidentally unlike competing valves that rely on gas cartridges to activate. If the valve's fail-safe design mechanism activates from pressure or power loss, causing automatic valve closure, the valve can also be reset without repair or replacement in that instance as well. The

valve has been full-scale, third-party tested and approved for use with metal dusts and is compliant with NFPA 69 and certified according to EN 15089.

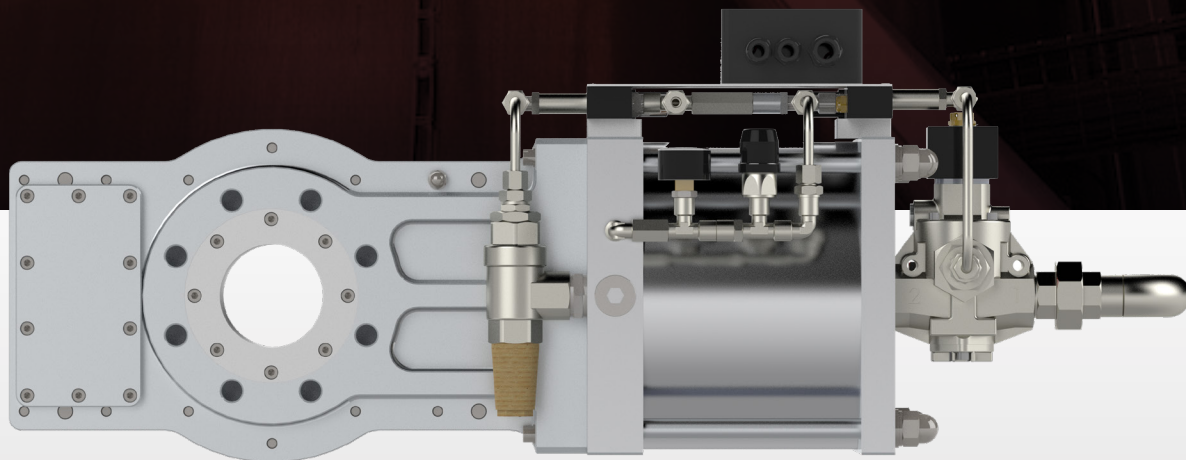
CV Technology's Interceptor®-SG® slide gate valve can receive a signal to activate during a deflagration event from either a pressure detector, a flame detector, or a burst indicator on an explosion vent. The slide gate valve seamlessly integrates with CV Technology's CONEX® controller, which communicates universally with other safety solutions from CV Technology, which makes creating a custom mix-and-match system for your process needs simple.



Interceptor® SG®

The Interceptor®-SG® slide gate valve remains open unless activated to prevent the spread of a deflagration.

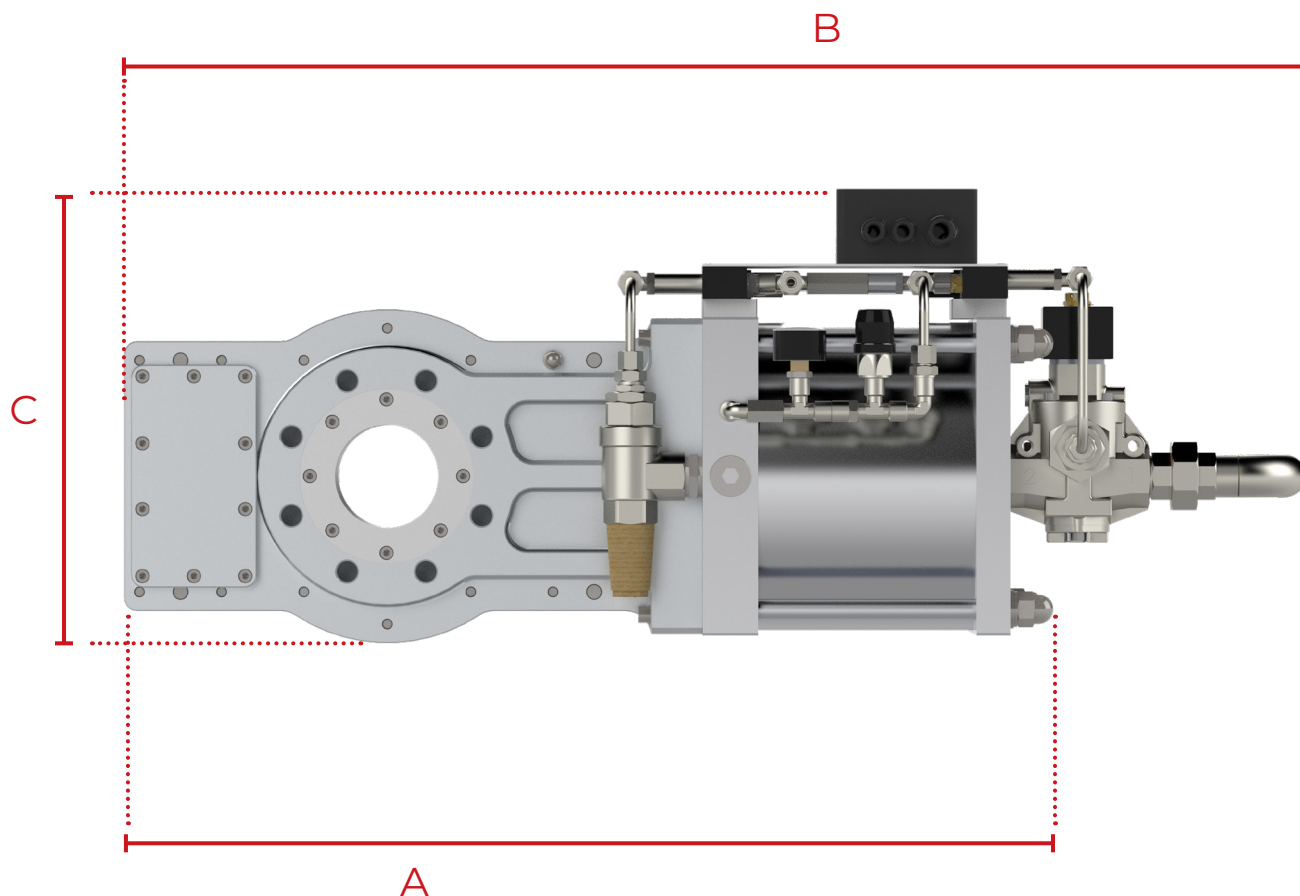
The air operated slide gate valve closes when it receives a signal from either a pressure detector, a flame detector, or the burst indicator from an explosion vent, indicating the start of a deflagration. The valve's robust design is rated for containment, meaning that it can contain an explosion rather than relieving or releasing the flame and energy elsewhere in a plant. The valve is air activated with a solenoid and can be quickly reset in the field after activation without any rebuild or igniter replacement requiring vendor service. Optional protective cover is available for the valve if operated in colder climates that could impact valve performance.





FEATURE

- Continuously protects equipment, property, and personnel at all times using mechanical isolation and fail-safe design
- Meets North American and European regulatory standards:
 - » NFPA 69 Standard on Explosion Prevention Systems compliant
 - » FM Global 7-76 Prevention and Mitigation of Combustible Dust Explosion and Fire compliant
 - » EN 15089 certified
- Protects pneumatic conveying systems, dust collectors, cyclones, storage vessels and processes involving metal dusts
- Rated for either explosion mitigation or containment rather than relief applications where flame and pressure are contained to the protected vessel
- Activates by signal from pressure detector, flame detector, or a burst indicator on an explosion vent
- Suitable for either horizontal or vertical installations
- Uses a single controller, which can monitor multiple valves and includes CAN-BUS controller capability for sophisticated and expandable communication options
- Offers unique air-operated activation for quick, in-the-field valve reset without any rebuild or igniter replacement
- User-friendly design includes an access door for valve cleaning and overall minimal maintenance requirements
- Standard construction with food-grade 304 stainless steel product contact surface
- Sizes from 2 to 8 inches in diameter



SG **WEIGHT & DIMENSION**

Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	Weight Lbs (kg)
6"x24" (150x600)	8.9" (225)	26.6" (675)	10.4" (265)	18.3" (465)	53 lbs (24)
8"x22" (200x540)	12.0" (305)	24.6" (625)	13.2" (335)	20.9" (530)	62 lbs (28)
12"x24" (310x630)	15.4" (390)	28.0" (710)	16.5" (420)	24.4" (620)	77 lbs (35)

Selecting a Slide Gate Valve with Confidence

Slide gate valve selection to meet regulations and protect equipment, property, and personnel can require expertise and a deep knowledge of safety.

Not only does CV Technology have the dependable and reliable engineering solutions you need, but we can advise you on a safety plan that works for your process and your specific regulatory requirements, saving time and money while keeping your people safe. Call CV Technology today and find out how we can help you with selecting the best safety solutions for your plant!



Contact us for more info!

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