Heavy Duty High Speed Abort Gate

APPLICATIONS

The **Raptor Gate™ Heavy-Duty High-Speed Abort Gate** is an important part of returning clean air back into a facility.

The **Raptor Gate™ Heavy-Duty High-Speed Abort Gate** can be placed on the clean/return air side of the dust collector to redirect sparks, flames, embers, and contaminated air to a safe location.

Raptor Spark Detection, Thermal Probes, and Dust Probes activate the Raptor Single Zone or CU1610 multi-zone control panels in the event of a fire or filter failure in the dust collector.

It's another Boss Products innovated tailored safety solution to keep personnel, processes, and the facility protected.

CERTIFICATIONS & STANDARDS
NFPA compliant when used in conjunction with FM Global and ATEX approved Raptor Spark Detection Systems

STANDARD FEATURES

- Heavy Duty and spring loaded with fully welded 10-gauge carbon steel construction
- Linear actuator gate operation, indicator lights to monitor the system, manual test button, terminals to interlock with Raptor Spark detection system for activation, flanged inlet and outlet, and weather hood
- Available Sizes 4" (400 CFM) through 72" (87,500 CFM)
- 115-volt AC Control Panel

OPTIONAL FEATURES

- Inlet/Outlet Square to Round Transitions
- Support Stand
- Service Platform with ladder
- Bird screen

FEATURES

- Terminals to interlock with Raptor Spark detection system for activation
- 10 gauge carbon steel construction and precise, strong welds ensure the most durable product
- Manual reset type with hand-crank actuator. Push button reset type with electric assist
- Electromagnets are fail-safe and use gate accelerating springs for the fastest gate closure
- Meets all NFPA standards, including NFPA 652 and industry-specific standards
- All abort gates tested prior to shipment for superior performance

Raptor Gate – Heavy Duty High Speed Abort Gate- Raptor Series			
Ø Range	Max Ø Square Dim	Max Airflow@3500FPM	Reset Type
04" - 20"	20"(18"x18")	7,875	Manual
21" - 25"	25"(23"x23")	12,858	Manual
26" - 31"	31"(28"x28")	19,055	Manual
32" - 38"	38"(34"x34")	28,098	Push Button
39" - 42"	42"(38"x38")	35,098	Push Button
43" - 48"	48"(43"x43")	44,940	Push Button
49" - 54"	54"(48"x48")	56,000	Push Button
55" - 58"	58"(52"x52")	65,722	Push Button
59" - 72"	72"(60"x60")	87,500	Push Button

RS-PRA Packaged Return Air Kits with Raptor Gate – Raptor Series		
Ø Range	Control and Qty of Detectors	
04" - 20"	(1) CUSP1L Panel, (2) Detectors	
21" - 25"	(1) CUSP1L Panel, (2) Detectors	
26" - 31"	(1) CUSP1L Panel, (2) Detectors	
32" - 38"	(1) CUSP1L Panel, (2) Detectors	
39" - 42"	(1) CUSP1L Panel, (3) Detectors	
43" - 48"	(1) CUSP1L Panel, (3) Detectors	
49" - 54"	(1) CUSP1L Panel, (3) Detectors	
55" - 58"	(1) CUSP1L Panel, (3) Detectors	
59" - 72"	(1) CUSP1L Panel, (3) Detectors	