



FireCoil™

Fire-Rated Rolling Doors

Where safety and fire protection are crucial, choose FireCoil. Raynor FireCoil doors are the standard for facilities that require a listed fire door, in a rated fire wall. Our innovative design incorporates governed speed control that delivers optimal performance and functionality. FireCoil doors are provided with fusible links that automatically release, to close the door at 165°F. The door closing mechanism can also be released by smoke and heat detectors, a building's alarm system, or solid-state release device. FireCoil doors are UL, C-UL and CSFM labeled with Factory Mutual (FM) label optional.



Savings

State of the art design incorporates automatic resetting of the auto closing system. All doors can be easily reset with a single-side release which results in dramatic savings in testing and resetting costs, while minimizing down time.



Safety

Doors of all sizes meet NFPA 80 requirements. Closing speed is consistently controlled between 6-12" per second, resulting in a more smooth, quiet and safer decent.

FireCoil™

Design Applications

- Exterior openings that require a fire rating due to the proximity of their structures or combustible materials.
- Buildings designed for future expansion where current exterior wall openings are to become interior fire openings.
- Interior fire wall openings where the door will be normally closed to control varying climatic conditions between two areas.



FireCoil, Red Powder Coated

Specifications

Model	Slat Profiles	Slat Material (Thickness)	Fire Ratings	Approvals	Max. Width	Operation	Colors/Finishes
Flat Slat (UF)	Flat	Steel 22, 20, 18 gauge	4 Hour, 3 Hour, 1½ Hour, ¾ Hour	UL, C-UL, CSFM ISO-3008, BS-476, FM, MEA	30'	Manual, Chain, Crank, Motor	White, Gray, Tan or ArmorBrite™ Painted, Galvanized Finish
		Stainless Steel 22, 20 gauge			19'6"		#4 Finish
		Steel 24 gauge	1½ Hour, ¾ Hour	UL, C-UL, CSFM, MEA	10'		White, Gray or ArmorBrite Painted
Insulated Flat Slat (UI)	Flat	Steel 24, 22, 20, 18 gauge	4 Hour, 3 Hour, 1½ Hour, ¾ Hour	UL, C-UL, CSFM, MEA	30'	Chain, Crank, Motor	White, Gray, Tan or ArmorBrite™ Painted, Galvanized Finish
Small-C Slat (US)	Curve	Steel 22, 20 gauge	4 hour, 3 Hour, 1½ Hour, ¾ Hour	UL, C-UL, CSFM, ISO-3008, BS-476, FM, MEA	14'	Manual, Chain, Crank, Motor	Gray or ArmorBrite™ Painted
Large-C Slat (LL)	Curve	Steel 22, 20, 18 gauge	4 Hour, 3 Hour, 1½ Hour, ¾ Hour	UL, C-UL, CSFM, ISO-3008, BS-476, FM, MEA	30'	Manual, Chain, Crank, Motor	Gray or ArmorBrite™ Painted

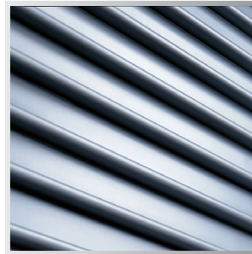
FireCoil Standard Features

Every FireCoil door is built for superior performance and includes the features listed here. For additional options, see your Raynor dealer.



Fusible Link

Automatic door closure is initiated by one of three fusible links that melt at 165° Fahrenheit.



Curtain

All FireCoil door curtains are constructed with heavy-duty steel slats: Flat Slats (UF), Insulated Flat Slats (UI), Large Contour Slats (LL), and Small Contour Slats (US)



Bottom Bar

Curtain bottoms are reinforced with a minimum of two steel angles for maximum durability. A bottom astragal is included on all motor-operated doors.



Guides and End Locks

Steel angle guides provide added support for curtain slats. Zinc-plated, malleable cast-iron end locks prevent lateral movement of the curtain slats.



Counterbalance System

A torsion-spring-operated system, enclosed in a structural steel barrel, effectively counterbalances the door for a minimum 10,000 cycles.

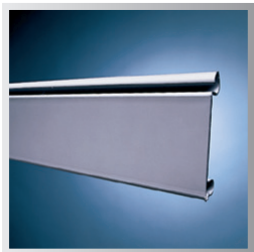


Curtain Hood*

For maximum structural rigidity, curtain hoods feature rolled edges and are formed from 24 gauge, hot dipped galvanized steel.

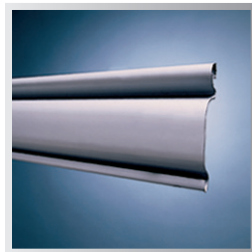
**FireCoil hood include a flame baffle that is activated by a fusible link. Standard on Factory Mutual-approved doors. Optional on UL-approved doors.*

Slat Style Options



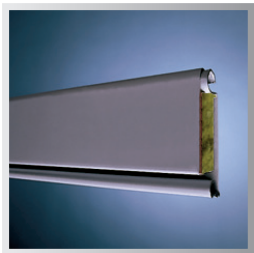
Flat Slats (UF)

The most architecturally pleasing slat profile.



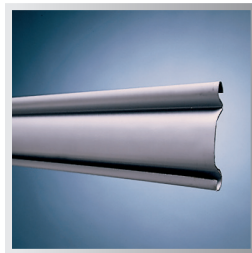
Large Contour Slats (LL)

Available in virtually unlimited widths, large contour slats are typically specified for larger sized openings.



Insulated Flat Slats (UI)

Designed for any application demanding greater thermal efficiency.

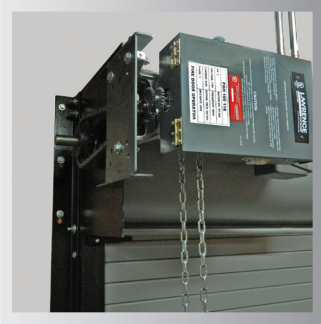


Small Contour Slats (US)

An excellent choice for smaller openings widths, small contour slats are the best value for opening sizes up to 14'x24'

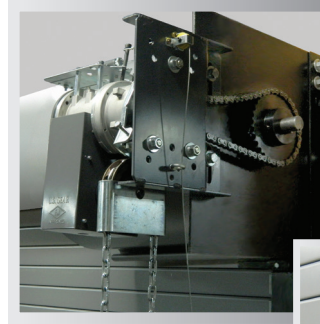
Operation Options

Raynor's FireCoil door systems feature specialized construction and automatic closing providing state of the art technology. All doors are easily resettable with a single sided release decreasing reset time after performing specified drop testing. The included governor provides controlled closing speeds of 6" -12" per second resulting in a safer, smoother, and quiet descent. Doors of all sizes are easily controlled and meet NFPA 80 requirements.



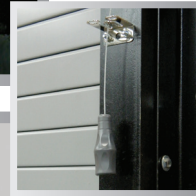
Motor Operated

Automatic closing can occur with the door partially open or fully closed without resulting in any damage to the door components.



Chain and Crank Operated

Chain (top) and Hand crank (bottom) operation is available on all FireCoil model doors.

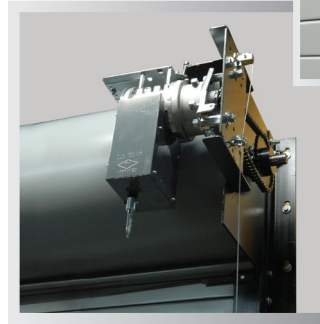


Close and Test Cable



Manual Operated

Manual design features a centrifugal clutch governor smoothly controlling descent.



Model Options and Upgrades



187 ArmorBrite™ Colors

Choose your color! Nearly every Raynor fire door component (curtain slats, bottom bars, guides, hoods, and head plates) can be powder coated in any of 187 colors for an attractive appearance and exceptional durability.



Pre-Assembled Option

The pre-assembled option allows for a faster and easier installation by having the curtain, barrel and head plates shipped pre-assembled in one crate. This option eliminates the labor involved in installing spacers, washers, barrel rings, charge wheels and drive gears and speeds up the standard install.



Locks

In applications where control and access are important, choose from a variety of locking options to help keep your building secure. Locks come in either cylinder or slide-bolt (shown) variations. Slide-bolt locks are standard on push-up operation.



Smoke Control

A guide with brush seal (shown) and header seal reduce smoke damage.

FireHoist™ Fire Door Operators

All Raynor FireHoist operators provide automatic closing without the loss of spring tension, and do not require a traditional mechanical reset after testing. All units feature a high efficiency gear reducer and horizontal front of coil installation. The FireHoist in-line offering is versatile and able to withstand the most rigorous environments. All operators feature an internal release device and governor system to control the automatic closing of the door. The compact low profile design ensures that no additional clearance above the top of the door coil is required, saving space. If an approved monitored reversing device is not connected, the operator will require constant pressure on the close button to close the door.

Standard Features

- cULus Listed
- NEMA I enclosure
- 24 volt control circuit
- 3 button open/close/stop
- Solid State Control Board
- Overload protection
- Continuous duty motor
- Adjustable Linear Driven Limit Switches
- Optional monitored reversing device and unmonitored reversing device
- Delay on reversing
- Average speed 6" to 8" per second.

FireHoist™ FGH



Raynor FireHoist FGH operators offer 1/2 hp, 1 hp, 1½ hp, 2 hp and 3 hp in line gear reducer providing for an integrated fire door system. Resetting of the operator is as easy as reconnecting the fusible link release cable and then activating the open control to reset the door. The FGH models are also available for retrofitting existing fire doors by eliminating all

the components that typically fail with an operator. Other release devices can be added to the system for detector/alarm inputs and loss of power.

- Solenoid actuated disc brake
- TENV motor
- 30 cycles per hour
- Fusible link activation of internal release and governor controlled closing
- Auxiliary hand chain (up to 2 hp)
- On board open, close, stop buttons
- On board non-resettable cycle counter
- Optional on board timer to close

FireHoist™ FDCL



Raynor FireHoist FDCL operators provide a ½ hp spur gear drive providing an integrated fire door system. Resetting of the operator is as easy as activating the open control to reset the door.

- Monitored 2 hour battery back-up
- Low battery warning
- Programmable closing function selections
- Keyed test station
- Detector/alarm inputs
- Time-delayed automatic closing for detector/alarm (10 sec.)
- Electronic thermal sensors that replaces fusible links (field installed)
- Electromagnetic disc brake
- ODP motor
- 25 cycles per hour

FireHoist™ FDC



Raynor FireHoist FDC operators offer ½ hp and 1 hp helical gear drive providing an integrated fire door system. Resetting of the operator is as easy as activating the open control to reset the door.

- Monitored 72 hour battery back-up
- Low battery warning
- Programmable closing function selections
- Keyed test station
- Detector/alarm inputs
- Time-delayed automatic closing for detector/alarm (10 sec.)
- Electronic thermal sensors that replaces fusible links (field installed)
- Electromagnetic disc brake
- ODP motor
- 25 cycles per hour

FireHoist™ FSEP



Raynor FireHoist FSEP operators offer 1/3 hp, 1/4 hp, 1½ hp, and 2 hp planetary reduction gear drive providing an integrated fire door system. Resetting of the operator is as easy as activating the open control to reset the door with the exception of melting a fusible link. The FSEP models are also available for retrofitting existing fire doors by eliminating all components that typically fail with an operator.

- TENV motor
- 30 cycles per hour
- Safety reverse cycles (0, 1, 3)
- Auto open after alarm clears
- Door releases under a power failure or alarm (delay 0 or 10 sec.)
- Detector/alarm inputs
- Non-resettable counter
- On board push buttons
- Mid open timer & reclose timer

Optional Release Devices



McCabe Link
Electro/Thermal/Manual
Release

- 115V AC/DC
- 24V AC/DC



LM21 Release
Models: XP, XPBB,
AFCB



Smoke Detectors
Photoelectric heat

- 115V AC
- 24V DC

Dependable. Stylish. Timeless

Raynor also offers a full line of commercial sectional doors, high performance doors, shutters, as well as security grilles and rolling doors. See your Raynor Dealer or visit www.raynor.com for more information.



TC Series™

RapidCoil™

DuraShutter™

Professional Installation and Service

Depend on your Raynor Dealer

When you select Raynor, you're not just getting a superior garage door - you're also getting professional garage door installation and service expertise.

Every Raynor garage door is installed by a trained Raynor professional. And that means added benefits for you. First, you won't have to deal with it yourself. And because it's done right the first time, your door will deliver performance and reliability from the day it's installed. Your technician will check your door for everything from safety to performance and appearance. Trust your Raynor garage door to someone who knows it better than anyone else, your professional Raynor Dealer.



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