DUAL HOSE STREAM 120®
2 HOUR STEEL- TEX FIRE SHUTTER

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GENERAL DESCRIPTION:

The DUAL HOSE STREAM 120® is a deployable Steel-Tex fire shutter system composed of wired reinforced Steel-Tex fire shutter on round steel tubes in a fire rated assembly. The Steel-Tex fire shutters remain retracted above the finished ceiling until activated by fire alarm or smoke alarm at which point they descend at 9 in/sec. and create a smoke and fire barrier. The shutter can also be non-motorized when activated by a fusible link for smaller openings. The system consists of:

- A roller assembly with a 0.05 in. thick galvanized steel Two independent head boxes side by side with a minimum 9 in. x 9 in. dimension. Maximum span up to 146 ft. and drop height of 40 ft.
- A motor controller (MC) is housed in a steel enclosure and mounted onto the motor end of the head box. NFPA 70 compliant DC motor interfaced with Control Panel (CP) and a suitably weighted bottom bar. Internal or external motor depending on length.
- Removable fire rated cover plates incorporated to allow access to shutter roller.
- Shutter passes through fire rated galvanized steel auxiliary rails (side guides) that are factory painted or can be repainted in the field by others.
- If required, egress switches can be provided on both sides of shutter when shutter is directly in the path of egress.
- Tested at Guardian Fire Testing Laboratories. Accreditation
  ISO 17025 (testing)
  ISO 17020 (inspection)
  ISO 17065 (production certification)
- Tested at Intertek

STANDARDS:

The DUAL HOSE STREAM 120® is certified for quality by ISO 9000, meets and exceeds the requirements of:

- Each Hose Stream headbox is tested listed and labeled in accordance to UL 10B and ASTM E2226 (Hose Stream Test) for 90 minutes each
- Harmathy Principle- Two hose stream 120® systems installed back to back summates the rating per IBC 715 thus 180 minutes to UL 10B
- ASTM E119 (UL263) is listed and labeled assembly for two hours in accordance with IBC 903.3.1.1
- NFPA 105 and NFPA 252 Compliance
- Tested to UL 1784 Intertek to .1 water column with no artificial bottom seal

PERFORMANCE:

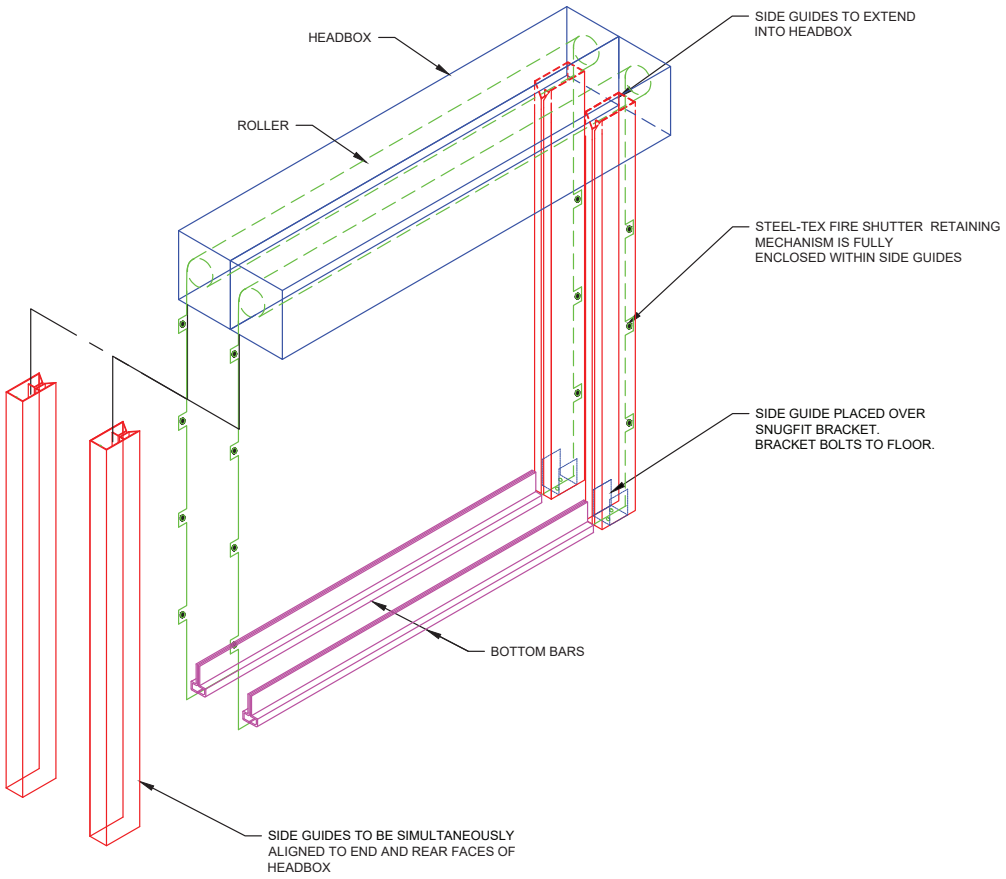
- UL864 listed and labeled Releasing Device
- UL 864 listed and labeled Canada Releasing
- Bottom bars deploy ~9"/second
- Fail-safe battery backup
- Building Management System Relay option
- Leading Edge Safety Sensor option
- Surface Membrane Retract Switch option

CONTROL PANEL (CP):

The shutter deployment mechanism is directly synced and integrated in the fire alarm emergency systems.

When an alarm signal is detected, the Control Panel (CP) will automatically trigger the shutter systems to deploy in a controlled descent under gravity. In normal operating conditions the CP provides AC supply to the Motor Controller (MC) to keep the shutters in retracted condition. Should smoke be detected, the fire alarm control system will send a signal to the CP and the shutters will deploy at a controlled speed to their operational position. When the fire alarm system goes back to normal power mode, the shutters will automatically retract back to the housing.

DUAL HOSE STREAM SHUTTER DIAGRAM



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