



2.16.6. Smoke Dampers

2.16.6.1. Smoke damper leakage ratings shall be not less than Class II as per UL 555S or $200 \text{ m}^3/(\text{h.m}^2)$ as per EN 1366-10. **See Section 7.** for test requirements.

2.16.6.2. Elevated temperature ratings shall be not less than 250°F (140°C).

2.16.6.3. Smoke dampers shall not be required in the following .

- a.** Where ducts or air-transfer openings are part of an engineered smoke control system and the smoke damper will interfere with the operation of a smoke control system.
- b.** Where the air in ducts continues to move and the air-handling system installed is arranged to prevent recirculation of exhaust or return air under fire emergency conditions.
- c.** Where the air inlet or outlet openings in ducts are limited to a single smoke compartment
- d.** Where ducts penetrate floors that serve as smoke barriers.
- e.** Where ducts penetrate smoke barriers forming a communicating space separation in fully sprinklered building .

2.16.7. Smoke Damper Actuation

2.16.7.1. Required smoke dampers in ducts penetrating smoke barriers shall close upon detection of smoke by means of approved smoke detectors, unless ducts penetrate smoke barriers above the smoke barrier doors and the door release detector actuates the damper.

2.16.7.2. Required smoke dampers in air-transfer openings shall close upon detection of smoke by means of approved smoke detectors.