




City of Phoenix

FIRE DEPARTMENT
FIRE PREVENTION DIVISION

Explanatory Policy – Sprinklers in Industrial Ovens

SUBJECT: Sprinklers in Industrial Ovens	EFFECTIVE DATE: July 19, 2019
REFERENCES: The Phoenix Fire Code (2018 Edition) Section 3006 NFPA 86: 2015, Standards for Ovens and Furnaces.	REVIEW DATE: July 2024
APPROVED:	
 John Mertens, Fire Marshal	

Scope:

This policy covers the requirements for fire protection regarding industrial furnaces that utilize combustible materials.

Policy:

Where an oven is placed in a non-sprinklered occupancy, the oven shall be required to be protected by an approved automatic fire suppression system. Fully enclosed ovens, having the appropriate listing, as stand-alone appliances without suppression required, which contain process combustible materials, shall be relieved from the requirement of providing fire suppression systems within the oven itself. The ovens are fully enclosed, any fire shall be confined to the oven itself. The oven shall have safety interlock devices that, in the event of a fire, shall shutdown the oven and secure the door.

Installing a fire suppression system within a listed stand-alone, fully enclosed oven can damage the structural integrity of the oven, voiding the listing and the manufacturer’s warranty. The Fire Marshal will be responsible for evaluating technical reports determining whether this policy is applicable to the product in question.

In a fully sprinkler protected facility with an open flow through process oven, which meets the criteria of obstruction to overhead protection (over 4-feet wide), then protection shall be extended into the oven.