

Commercial Cooking Hoods  
Draft Hood Interlock  
Requirements

NFPA -54 10.3.5.2

2002 Edition

NFPA 54-10.3.5.2

Requirements are the same  
For Standing Pilots or  
Electronic Ignition.

A Valve shall Be located on  
the Main Gas Line feeding  
the Appliances served by  
the draft Hood and shall  
Stop the flow of gas to the  
appliances upon loss of  
Draft.  
No By-Pass of Gas  
Solenoid Valve is allowed.

Valve shall be Controlled by  
a Draft Proving Switch  
measuring draft within the  
Hood allowing Valve to be  
open only when the Fan is  
operational or Damper  
100% open

Valve Must Be Manually  
Reset when lock out  
condition is corrected, due  
to Hood Draft not Proven.  
Reset shall not be  
automatic

Questions on Above

What if I am only Changing One  
Appliance under the Hood  
?

Answer

Install Valve on that One  
appliance with Interlock

Can I use an alternate Device in  
lieu of the Air Switch to  
determine Draft Failure such as  
C/ O Detector  
?

Answer

Yes!

If the Following Functions are  
Included.

Functions

#1- When device Fails (or  
sunssets) it will leave the Gas  
Valve Closed until Replaced. No  
Bypass Allowed.

# 4  
An Audible Alarm Shall Sound  
when the CO level is reached

To #4

#3- Detector Shall be interlocked  
With Gas Valve. Gas Valve shall  
be equipped with a manual reset  
(integral or otherwise)

To #3

#2 CO Detection  
1. Must be taken from a  
minimum of Two separate  
locations  
2. May be One location if  
Manufacturer instructions allow