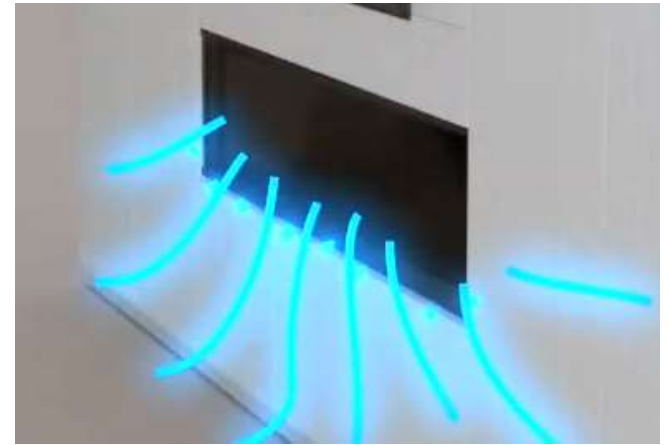
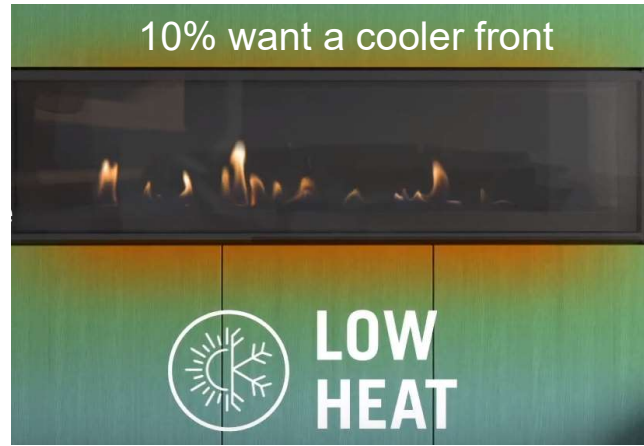


HEAT MANAGEMENT



WHY HEAT MANAGEMENT

Quick Survey Results –
What People Want



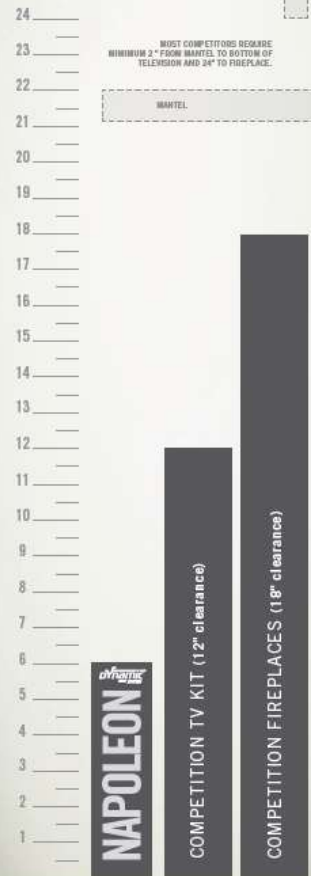


INDUSTRY LEADING HEAT MANAGEMENT

Just 6" Minimum Clearance Required

Napoleon's industry leading Dynamic Heat Control™ heat management system is engineered to optimize air flow through both the appliance and enclosure to reduce surface temperature. This patent pending technology allows you to place your television, artwork or other electronics a mere 6" from the fireplace to truly customize your home decor.

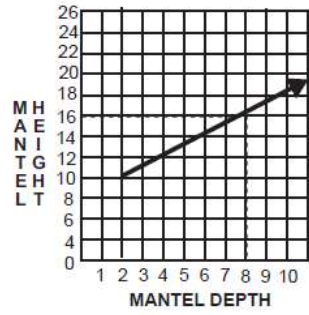
TELEVISION



BENEFITS OF HEAT MANAGEMENT

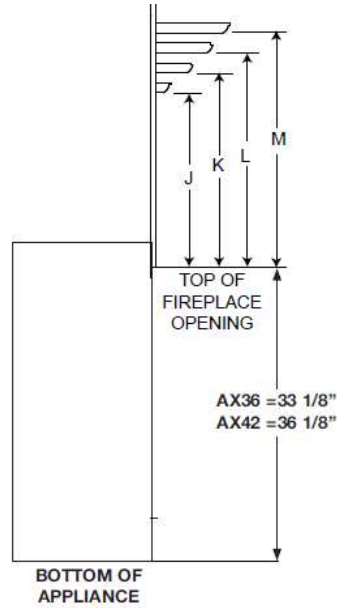
- Reduces clearances to "mantels"
- Allows for TV installation at a more reasonable height
- Allows for a more comfortable environment
- Can move the heat where it's wanted
- Allows for greater decorating flexibility
- Cooler glass (LVX) / cooler wall = improved customer perception of safety



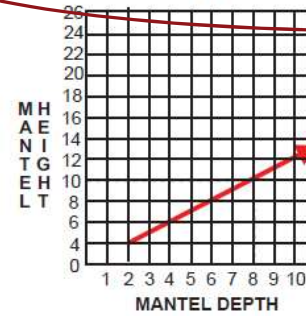


A

MANTEL DIMENSIONS		
Ref	Height	Depth*
J	10" (254mm)	2" (51mm)
K	12" (30.5cm)	4" (102mm)
L	14" (35.6cm)	6" (152mm)
M	16" (40.6cm)	8" (203mm)



ONLY if the Altitude™ X Heat Management System is installed, mantel clearances can be reduced.



B

MANTEL DIMENSIONS (WITH AXHM)		
Ref	Height	Depth*
J	4" (102mm)	2" (51mm)
K	6" (153mm)	4" (102mm)
L	8" (203mm)	6" (153mm)
M	10" (305mm)	8" (203mm)

! WARNING
 • Risk of fire! Reduced mantel clearances are **ONLY** acceptable for applications with AXHM installed.

*Mantel depth must be appropriately sized if placing any valuable items above the fireplace / mantel (see "clearances around appliance (TV and valuable objects)").

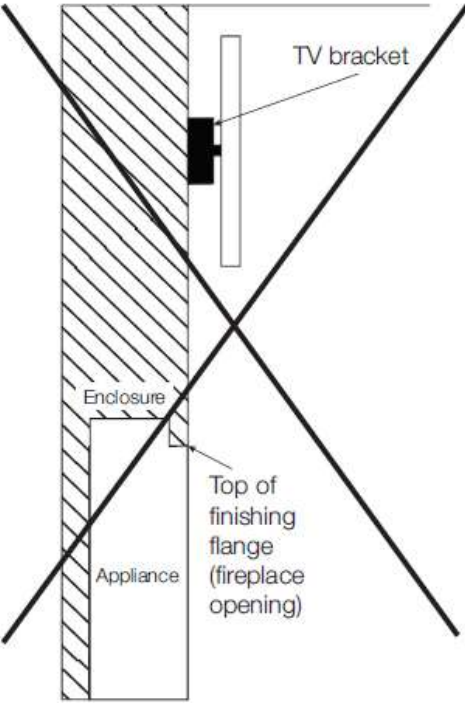
BENEFITS OF HEAT MANAGEMENT

- Example mantel clearance from AX with and without

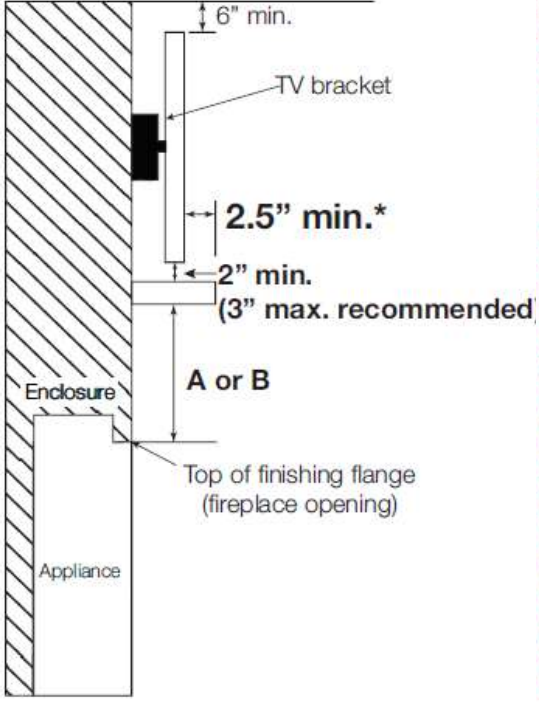


REMINDER: TV MOUNTING "TIPS"

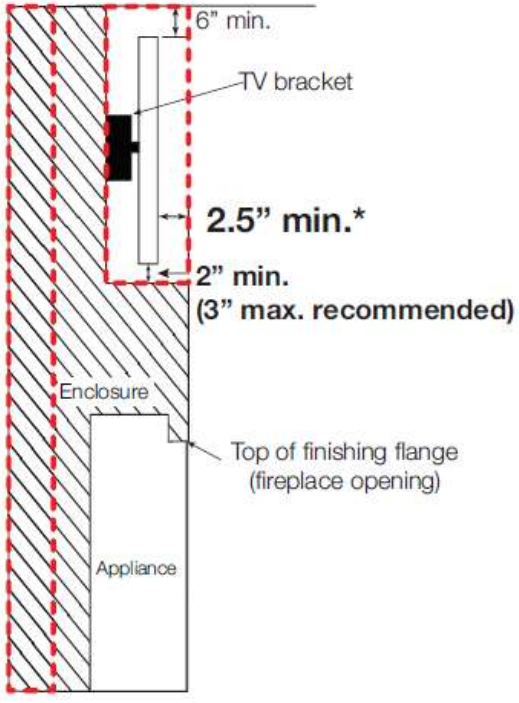
Flush installation without mantel



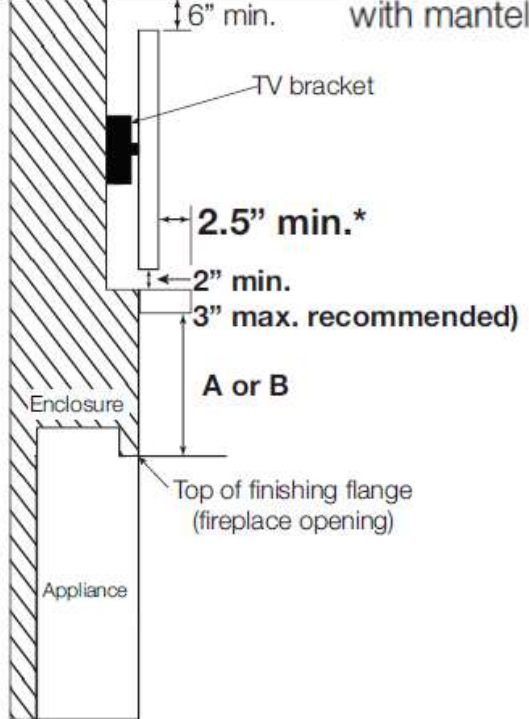
Flush installation with mantel




Recessed installation with protrusion



Partially recessed installation with mantel



UNLESS USING DHC!

 The volume of air must be added to the enclosure to accommodate the recessed area.



REMINDER: TV MOUNTING "TIPS"

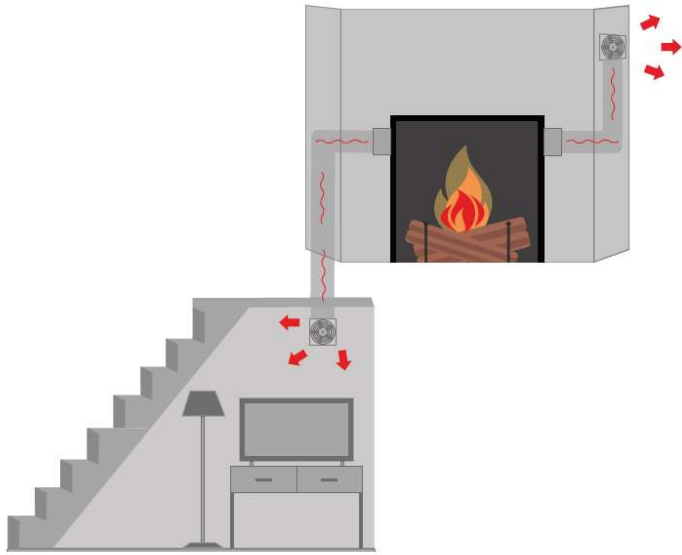
note:

- These are recommended minimum clearances only and are supplied in good faith and not a guarantee of compliance with TV manufacturers' maximum allowable operating temperatures. Always comply to TV manufacturers' requirements.
- **TV temperatures must be validated at the time of installation** as air flow characteristics within the room can vary and maximum acceptable operating temperatures can vary from appliance to appliance. TVs cannot be used where the TV temperature exceeds the manufacturer's maximum allowable operating temperatures (see TV manufacturer's specifications).
- Mantel height and depth must conform to mantel clearance requirements specified in this manual, see "minimum clearance to combustible mantel" section in installation manual.
- Dimension "A" the gap between the top of the finishing flange and the bottom of the TV are taken from the top of the appliance opening.
- TV temperatures may be further reduced by increasing the horizontal distance between the front of the TV and the front edge of the mantel or by increasing dimension "A". However, increasing the gap between the top of the mantel and the bottom of the TV beyond the maximum recommended figure, typically results in higher temperatures. Minimum clearance between the mantel and bottom of the TV should be maintained to allow air circulation below and behind the TV.

CALCULATING TV CLEARANCES

- Example of calculating Clearances

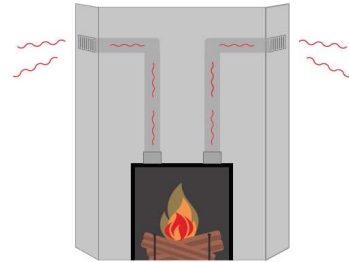




LHAD

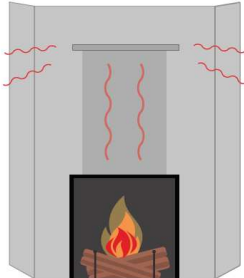


FIREPLACE WITH INTERNAL BLOWER

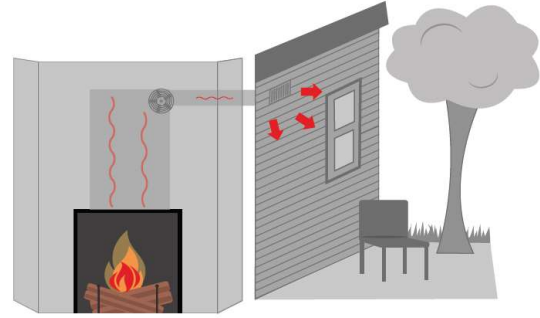


AXHM

NAPOLEON'S HEAT MANAGEMENT SYSTEMS



DHC



DHC+

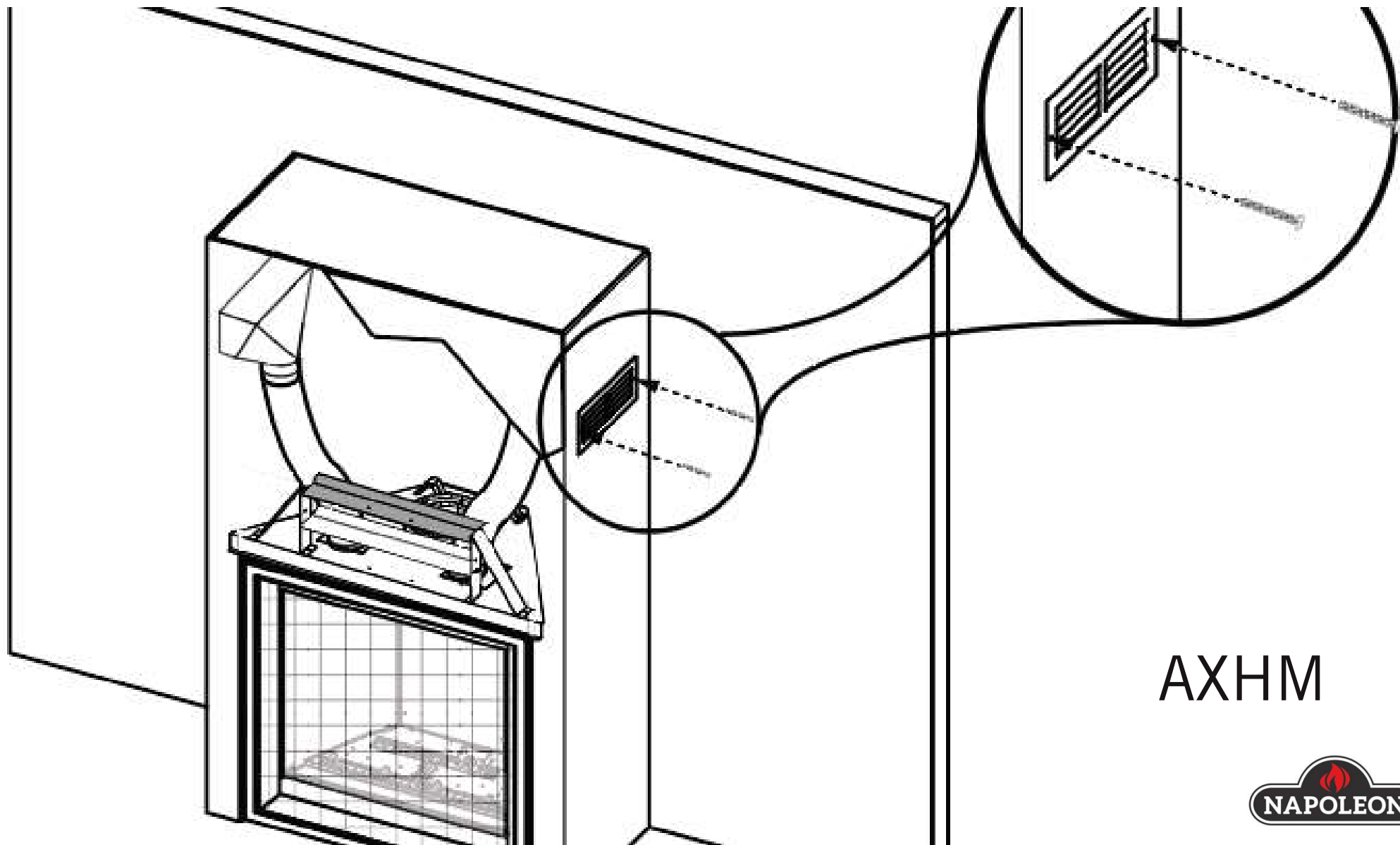




ALTITUDE HEAT MANAGEMENT (AXHM)

- Passive Heat Management Kit
- No blower required
- No high switch
- Silent heat management system
- Moves warm air from the fireplace enclosure into the same room as the fireplace
- Duct lengths greater than 5 feet should be insulated
- x 2 standoff shields need to be reinstalled to provide the necessary clearances





AXHM



A modern living room with a fireplace, leather sofa, and armchairs. The room features a dark wood floor, a large patterned rug, and a glass coffee table. The fireplace has a dark marble surround and a white mantel. The walls are dark, and there are large windows with white frames. The text "AXHM: Altitude - 4 Units" is overlaid on the image.

AXHM:
Altitude – 4 Units

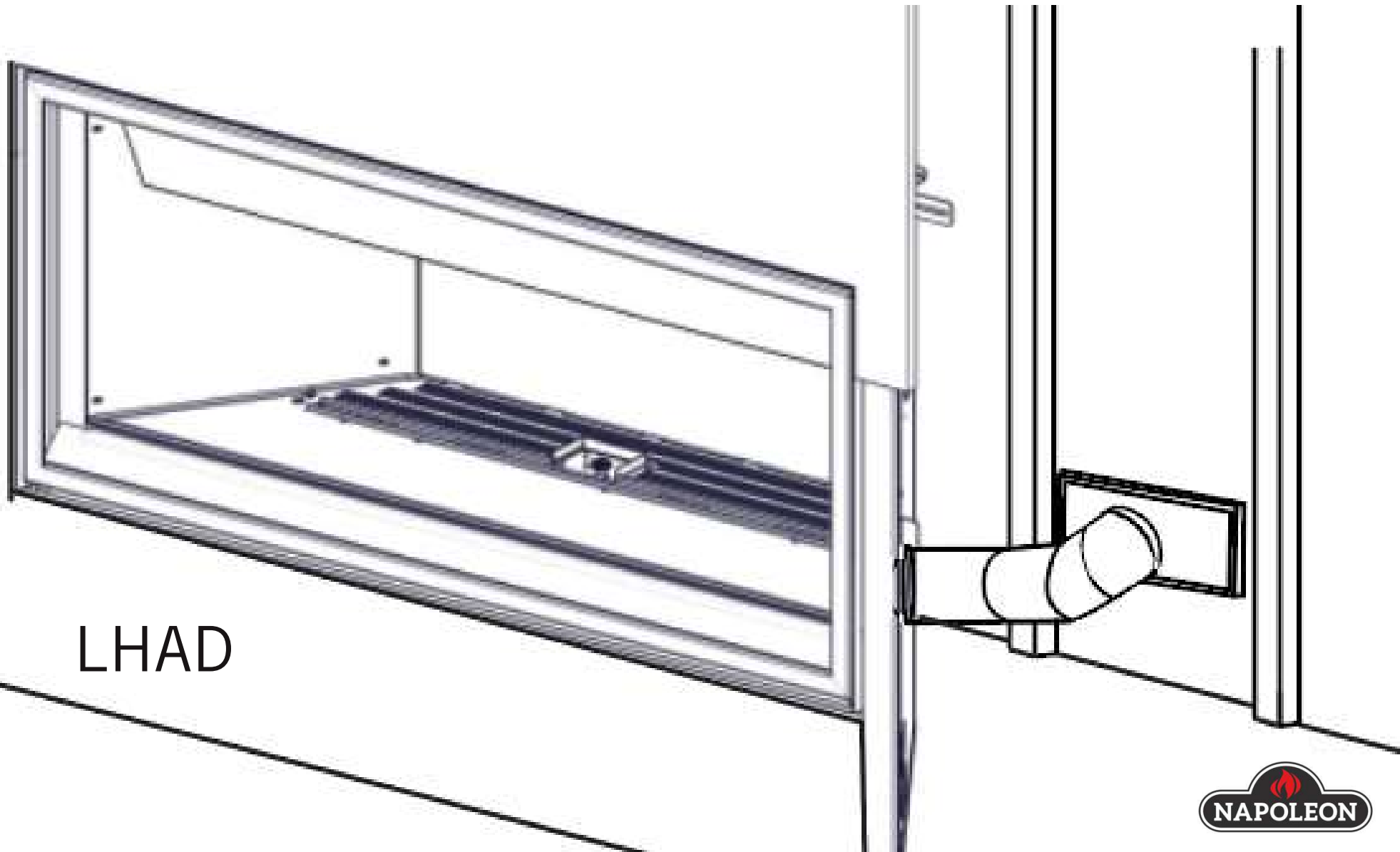
Will be expanded in future to
other moderate priced products.



LINEAR HOT AIR DISTRIBUTION

- Powered Heat Management Kit
- Moves warm air from the fireplace into a different room (or a different place in the same room)
- Duct lengths greater than 5 feet or through an uninsulated space should be insulated
- May use up to two (2) Linear Hot Air Distribution Kits



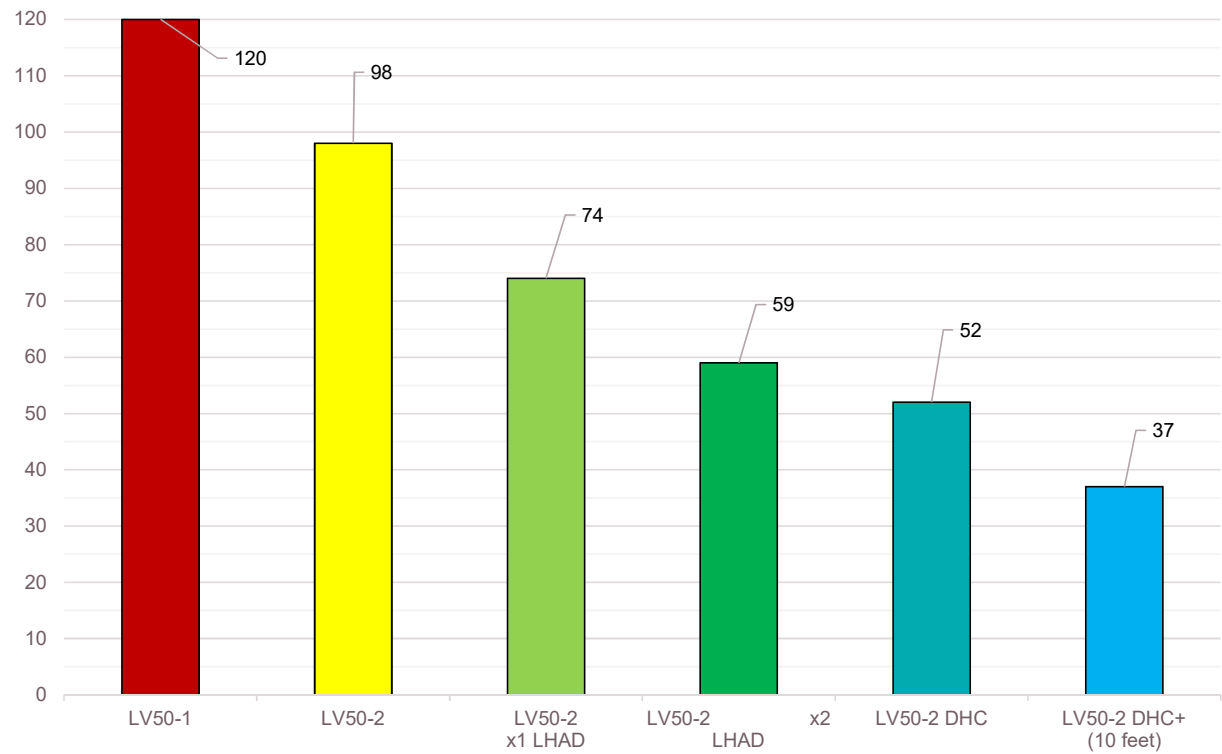


LHAD



LINEAR HOT
AIR
DISTRIBUTION

Vector 50 - Peak Surface Temperature 0.5" Above Opening





Altitude – 4 Units
Elevation – 2 units



Ascent Linear – 2 units
Ascent – 5 units

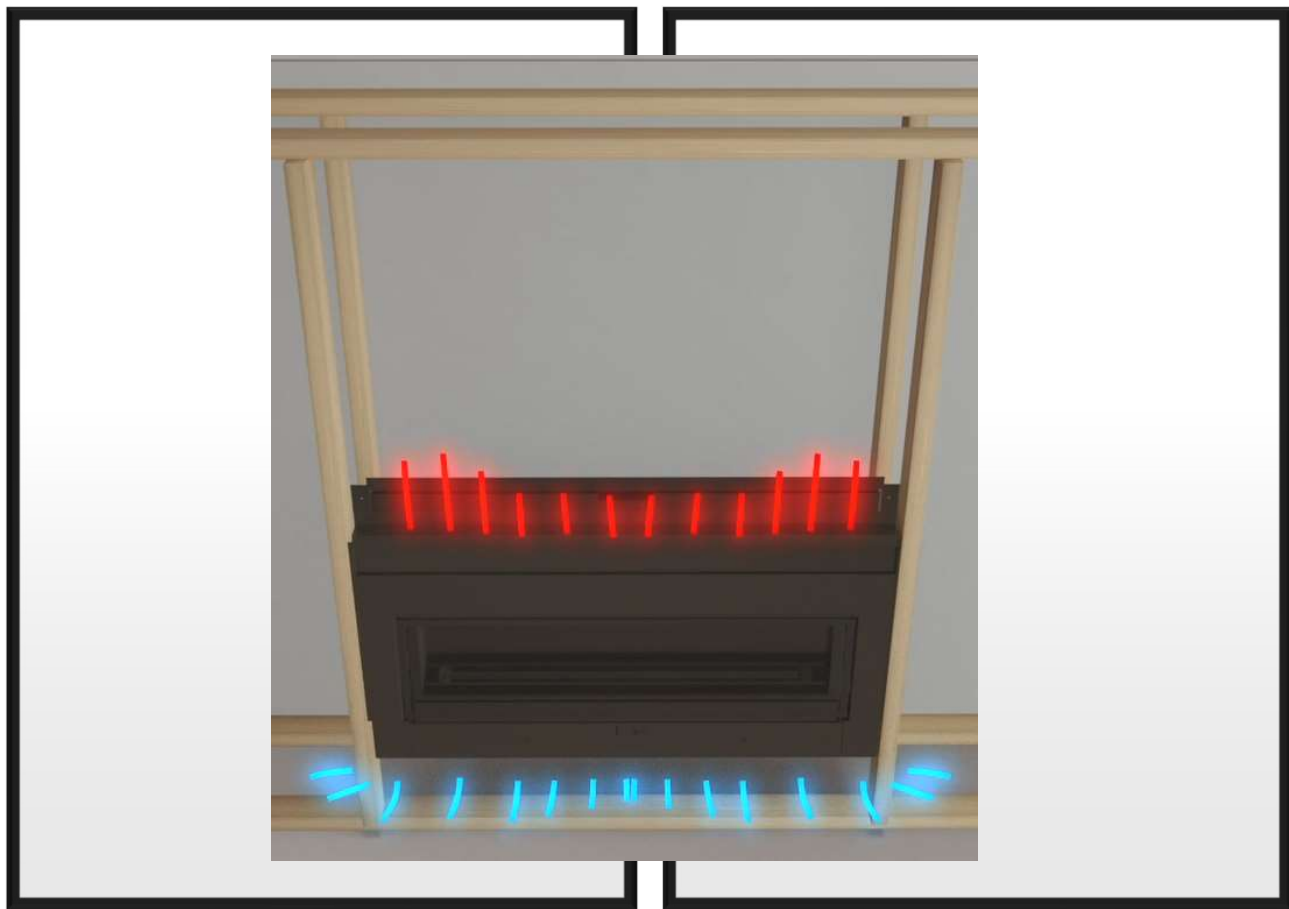


Vector, Acies - 24 Units

DYNAMIC HEAT CONTROL

- Super high efficiency heat management
- Passive heat management kit (standard on Luxuria)
- Uses natural air circulation – no fans
- Requires no ducts (use enclosure)
- Keeps glass cooler (glass guard equipped model), wall cooler and fireplace opening cooler
- Transfers heat more consistently throughout the room
- Reduces mantel clearance dramatically (





DHCL1 / 2





Linear Series – 16 Units
Elevation Series – 2 Units

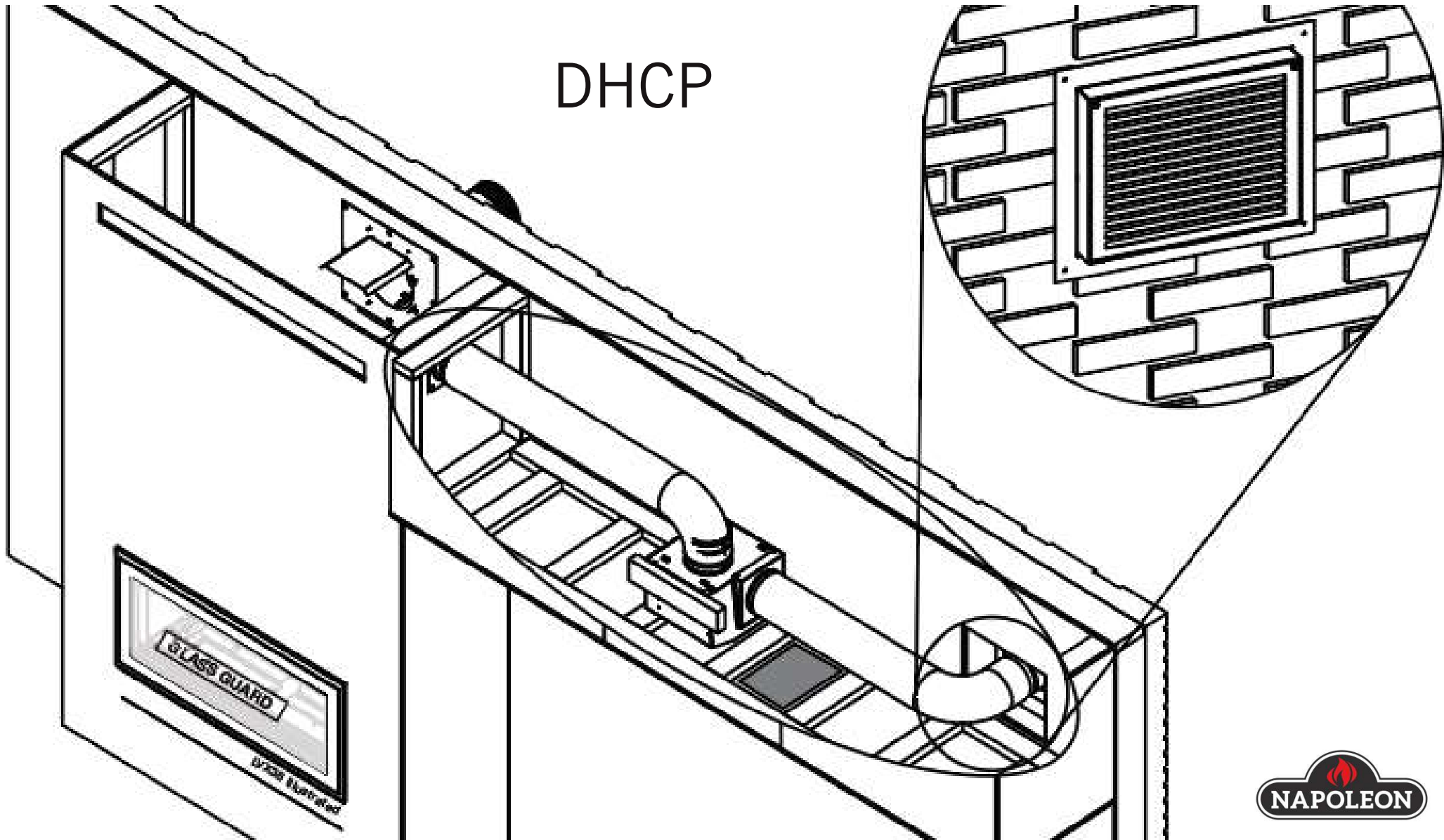


DYNAMIC HEAT CONTROL +

- Powered Heat Management Kit
- Moves heat away from the appliances to another room or externally
 - Heat should not be directed to smaller rooms or those with low ceilings
- Duct lengths greater than 5 feet or through an uninsulated space should be insulated
- DHCP blower fan is as quiet as a bathroom fan



DHCP





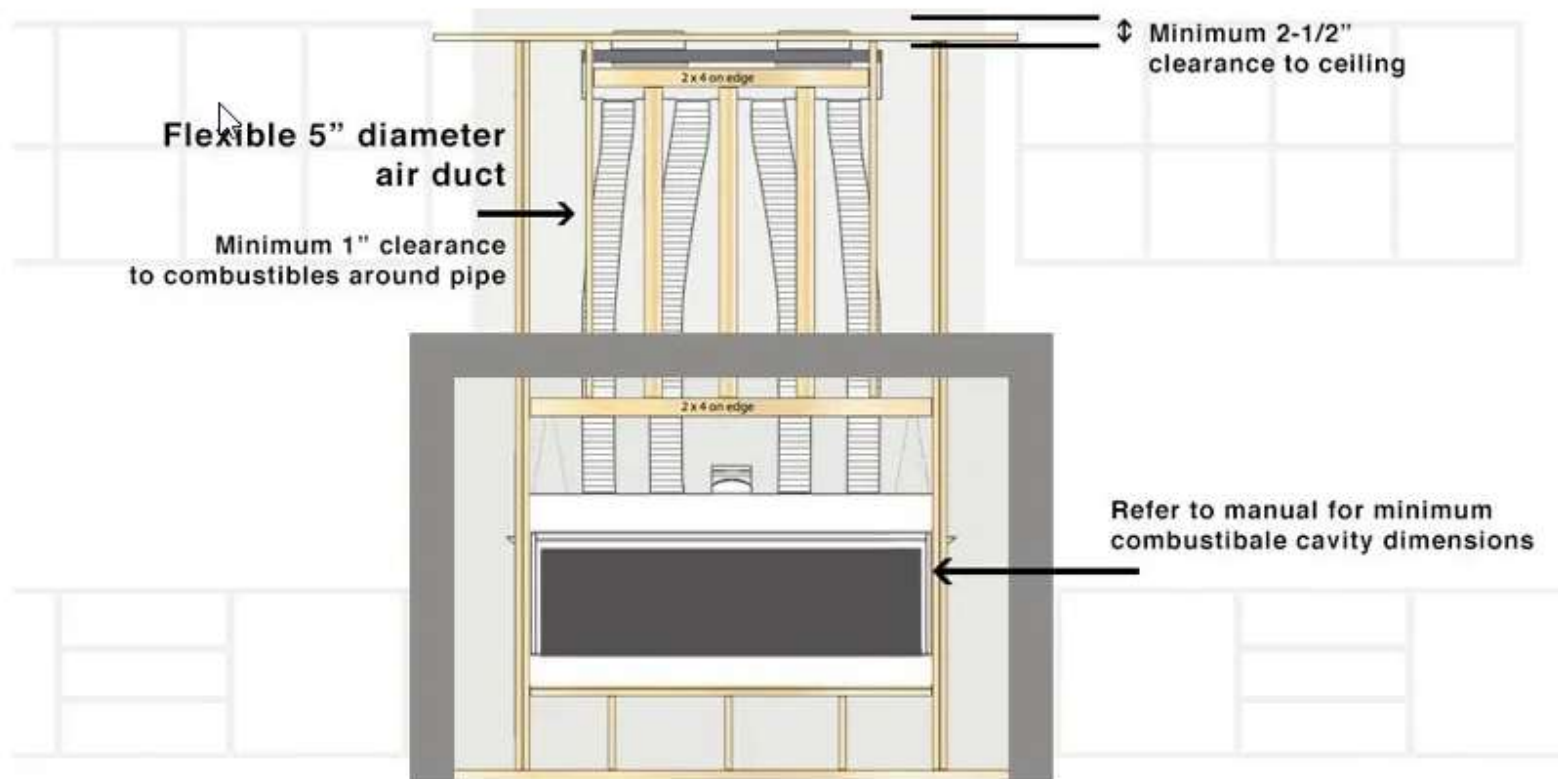
Linear Series – 16 Units
Elevation Series – 2 Units

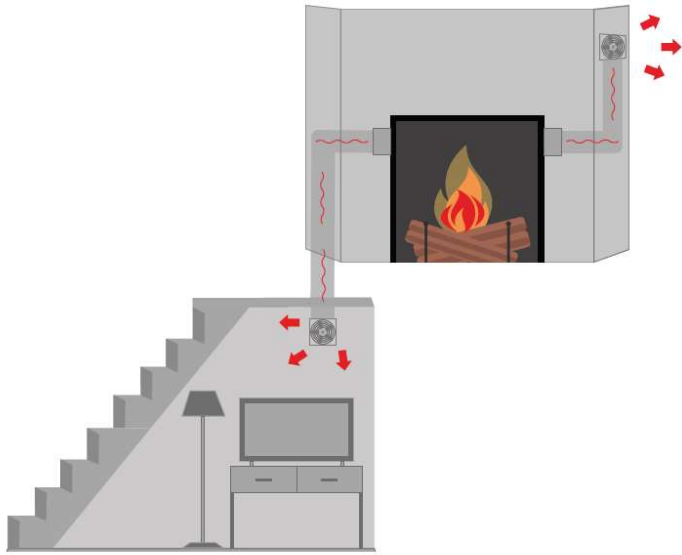
DHM – Future Products

- Ducted Heat Management Kit
- Passive system – no fans
- Reduces clearance to mantel, TV's, etc.
- Eliminates need for non-combustibles
- Intended to provide similar clearances to DHC
- Eliminate the potential for mistakes
- Keep the heat in the same room or move it to another room

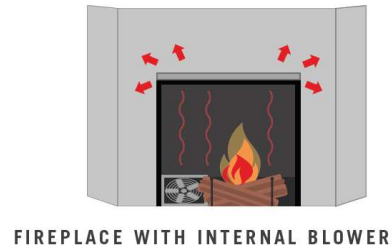


DHM – Future Products

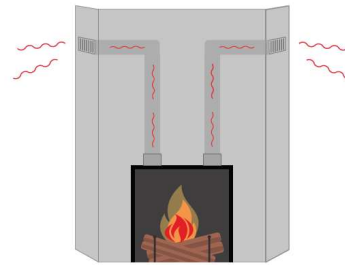




LHAD

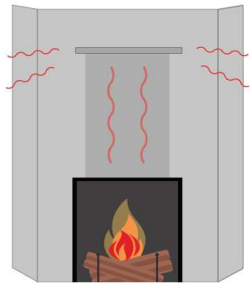


FIREPLACE WITH INTERNAL BLOWER

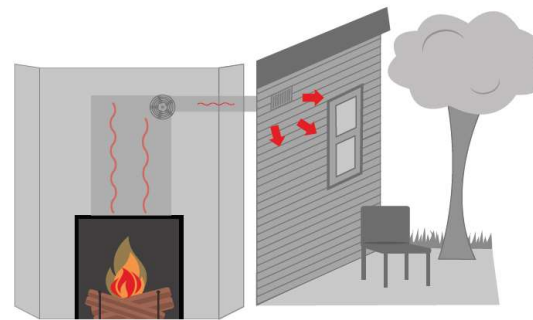


AXHM

NAPOLEON'S HEAT MANAGEMENT SYSTEMS



DHC / DHM



DHC+



HEAT MANAGEMENT - FUTURE

- More heat management options than competitors
- More units with high performance heat management
- Ducted heat management will provide additional option for highest performance where concerns existing regarding contractors / builders
- Heat management will be expanded step by step to more units, (examples could include BL36/46)

