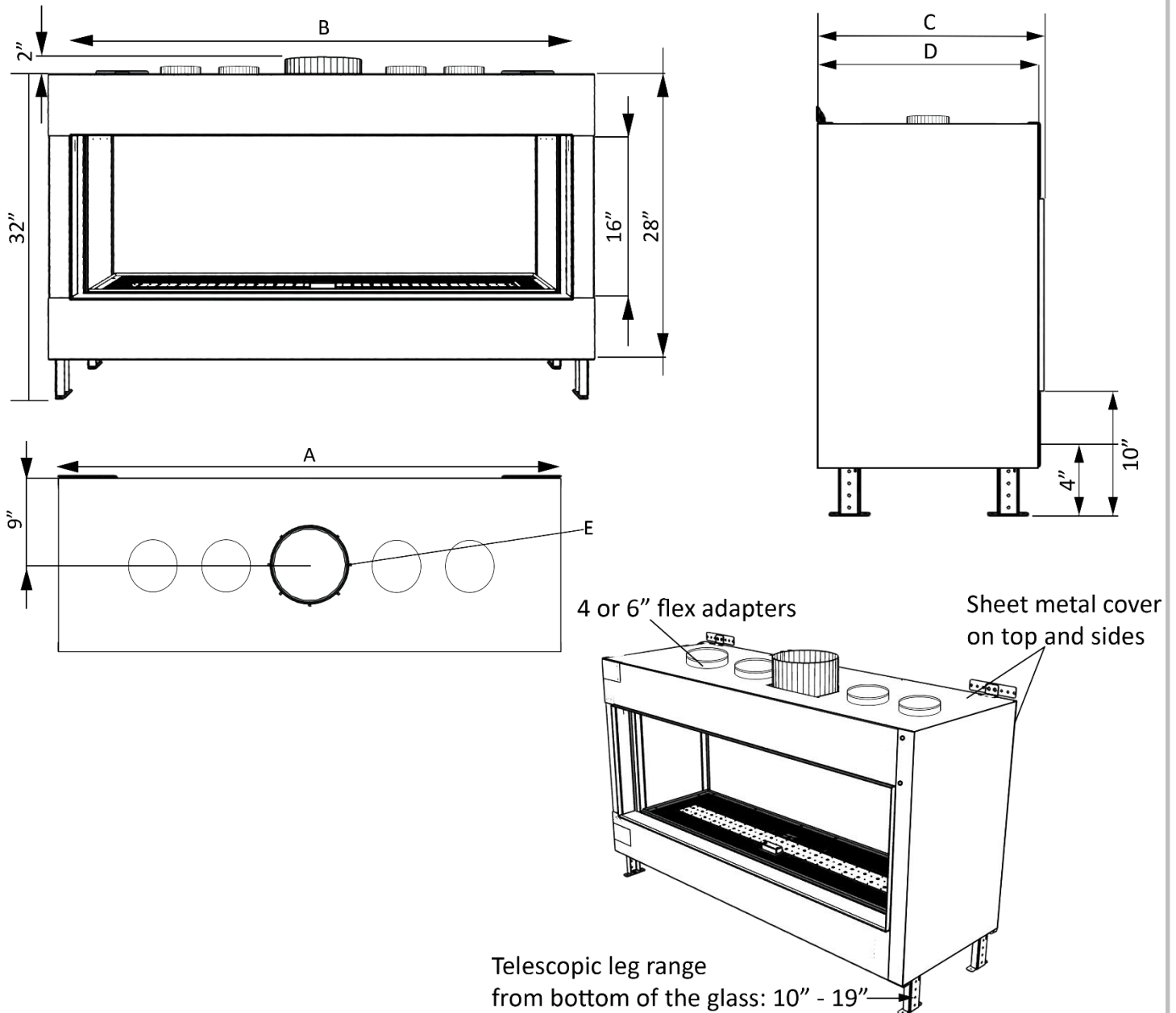


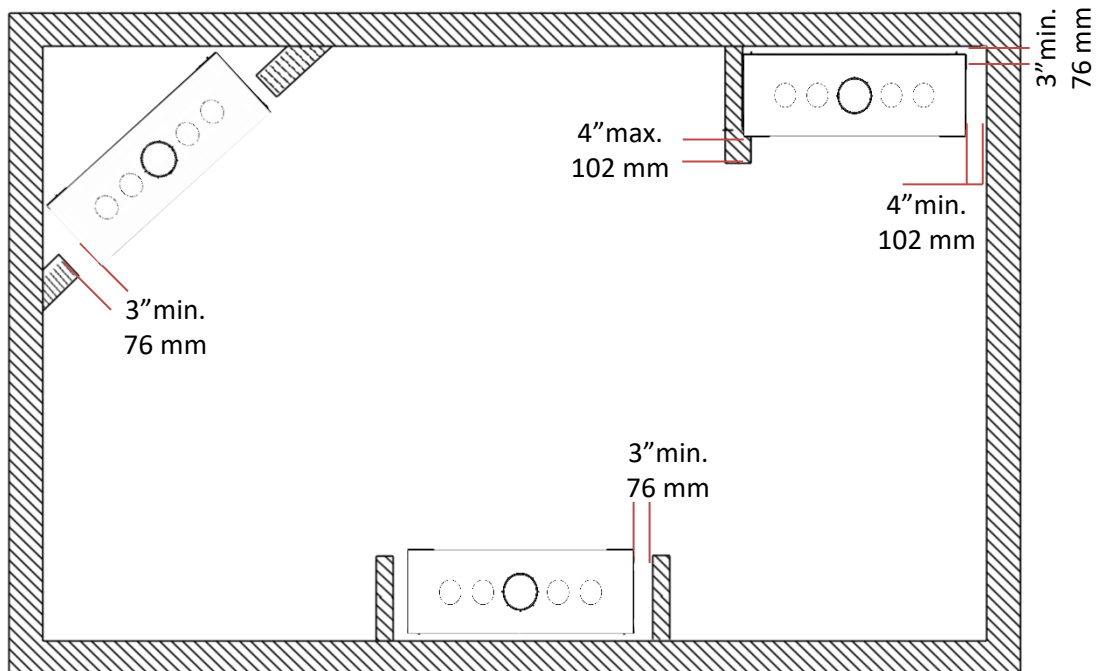
## Passive Heat Flex Front Facing – Wood Framing –Regular

### Fireplace Dimensions



| Model |    | 30       | 45      | 50       | 60       | 70       | 80      | 100      |
|-------|----|----------|---------|----------|----------|----------|---------|----------|
| A     | IN | 32 10/16 | 45 9/16 | 52 5/16  | 62 2/16  | 72 3/16  | 84 9/16 | 101 8/16 |
|       | MM | 828      | 1157    | 1328     | 1577     | 1833     | 2147    | 2578     |
| B     | IN | 28 4/16  | 41 4/16 | 47 15/16 | 57 13/16 | 67 10/16 | 80 4/16 | 97 3/16  |
|       | MM | 717      | 1047    | 1217     | 1468     | 1717     | 2038    | 2468     |
| C     | IN | 18 9/16  | 18 9/16 | 18 9/16  | 18 9/16  | 18 9/16  | 18 9/16 | 18 9/16  |
|       | MM | 471      | 471     | 471      | 471      | 471      | 471     | 471      |
| D     | IN | 18 1/16  | 18 1/16 | 18 1/16  | 18 1/16  | 18 1/16  | 18 1/16 | 18 1/16  |
|       | MM | 458      | 458     | 458      | 458      | 458      | 458     | 458      |
| E     | IN | 4x6      | 4x6     | 5x8      | 5x8      | 5x8      | 5x8     | 5x8      |
|       | MM | 101x152  | 101x152 | 127x203  | 127x203  | 127x203  | 127x203 | 127x203  |

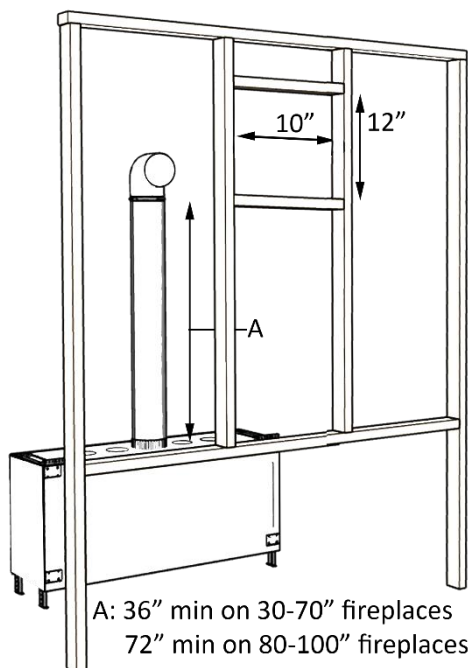
Clearances below are to combustible materials.



## Chimney Installation

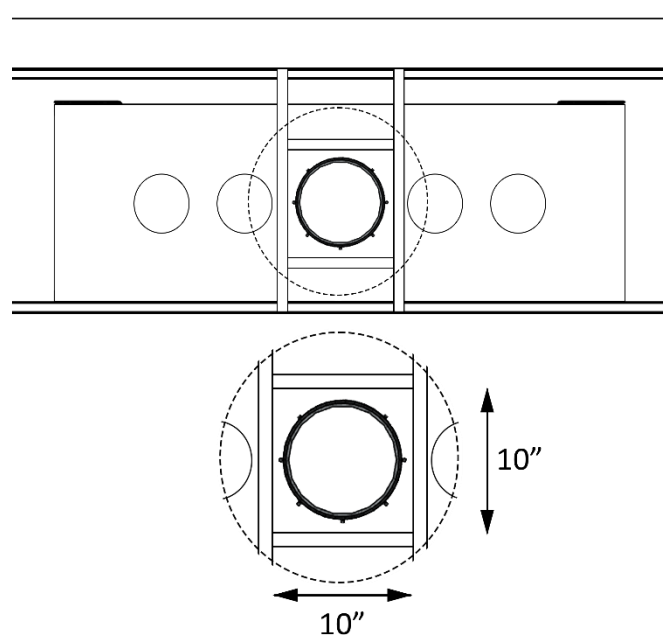
### Horizontal Termination

For 5x8 vent pipe termination create a 10"x12" opening.



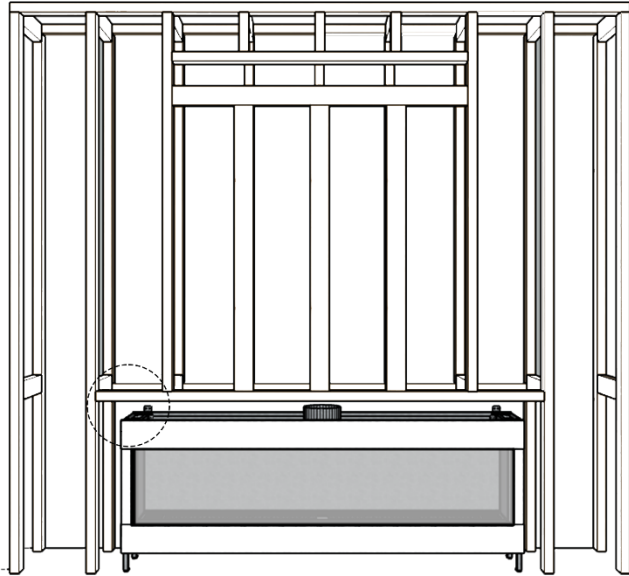
### Vertical Termination

For 5x8 vent pipe termination create a 10"x10" opening.

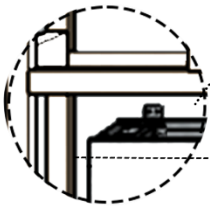


## Flat vs Recessed Installation

Flat Installation

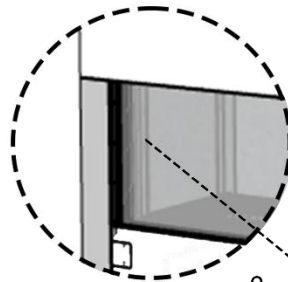
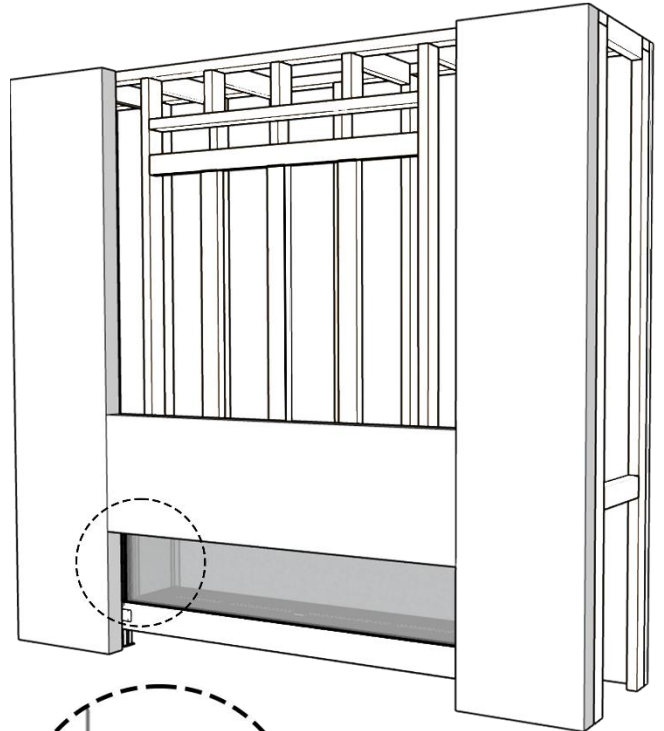


4" clearance to uncovered wood framing above the fireplace.

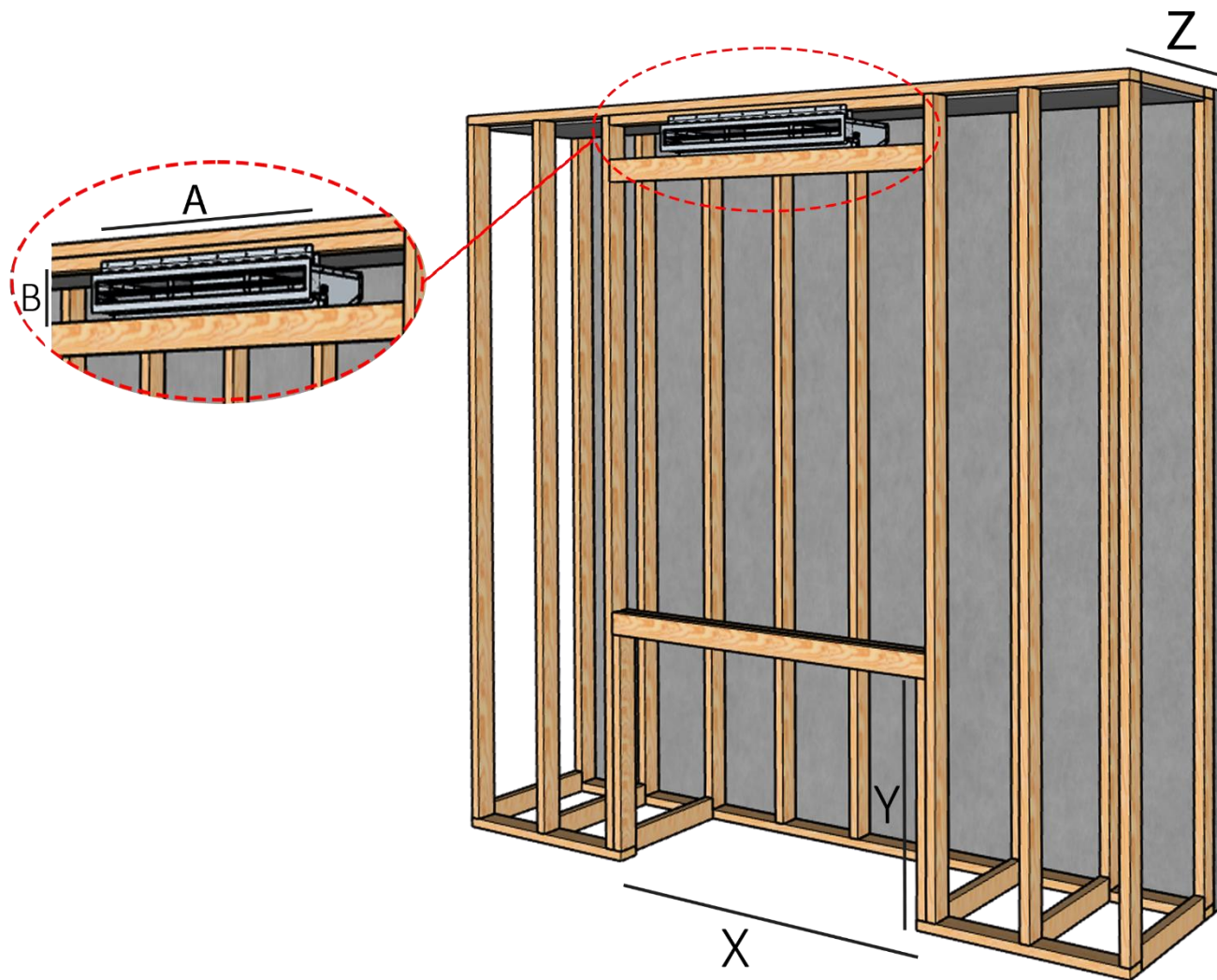


3" clearance to uncovered wood framing on sides of the fireplace.

Recessed Installation



0 - 4" recommended overhang  
8" max. May be combustible material.



**NOTE:** Dimension “Y” assumes the fireplace legs are set to the default height of 4”, placing the glass opening at 10” above the floor. This “Y” dimension can change based on where your client wants their viewing window.

\*All framing and finishing must be secured to your projects back wall, ceiling or floor and must never bear weight on the fireplace in any circumstance. For more information reference the [Installation Manual](#).

| Stud to Stud Framing Around The Fireplace |    |          |     |                   |                          | Heat Flex Box Framing |       |
|-------------------------------------------|----|----------|-----|-------------------|--------------------------|-----------------------|-------|
| Model                                     |    | X        | Y   | Z                 |                          | A                     | B     |
|                                           |    |          |     | Flat Installation | Recess Installation (4") |                       |       |
| 30                                        | IN | 38 10/16 | 36  | 21 1/16           | 25 1/16                  | 33                    | 5 1/2 |
|                                           | MM | 981      | 914 | 534               | 636                      | 838                   | 140   |
| 45                                        | IN | 51 9/16  | 36  | 21 1/16           | 25 1/16                  | 47 3/16               | 5 1/2 |
|                                           | MM | 1294     | 914 | 534               | 636                      | 1199                  | 140   |
| 50                                        | IN | 58 5/16  | 36  | 21 1/16           | 25 1/16                  | 47 3/16               | 5 1/2 |
|                                           | MM | 1481     | 914 | 534               | 636                      | 1199                  | 140   |
| 60                                        | IN | 68 2/16  | 36  | 21 1/16           | 25 1/16                  | 57                    | 5 1/2 |
|                                           | MM | 1730     | 914 | 534               | 636                      | 1448                  | 140   |
| 70                                        | IN | 78 3/16  | 36  | 21 1/16           | 25 1/16                  | 57                    | 5 1/2 |
|                                           | MM | 1985     | 914 | 534               | 636                      | 1448                  | 140   |
| 80                                        | IN | 90 9/16  | 36  | 21 1/16           | 25 1/16                  | 84 1/16               | 5 1/2 |
|                                           | MM | 2300     | 914 | 534               | 636                      | 2135                  | 140   |
| 100                                       | IN | 107 8/16 | 36  | 21 1/16           | 25 1/16                  | 84 1/16               | 5 1/2 |
|                                           | MM | 2731     | 914 | 534               | 636                      | 2135                  | 140   |

### Heat Release and Air Intake

| Heat Release Louvers |           |                |                        |
|----------------------|-----------|----------------|------------------------|
| Flare Model          | Part Name | Description    | SKU                    |
| Flare 30             | LUV-70    | 70 SQ" Louver  | <a href="#">LUV70</a>  |
| Flare 45             | LUV-100   | 100 SQ" Louver | <a href="#">LUV100</a> |
| Flare 50             |           |                |                        |
| Flare 60             | LUV-120   | 120 SQ" Louver | <a href="#">LUV120</a> |
| Flare 70             |           |                |                        |
| Flare 80             | LUV-180   | 180 SQ" Louver | <a href="#">LUV180</a> |
| Flare 100            |           |                |                        |

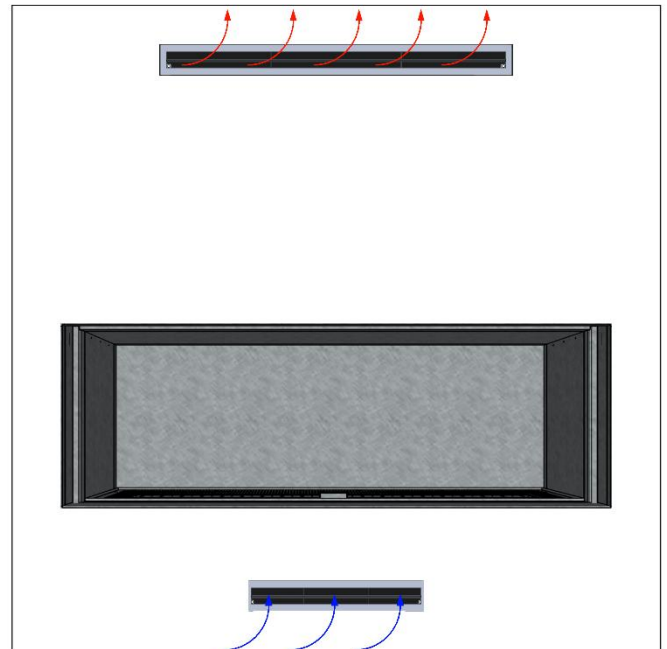
*\*Standardized heat release louver is included with passive heat kit.*

| Air Intake Louvers |           |                |                        |
|--------------------|-----------|----------------|------------------------|
| Flare Model        | Part Name | Description    | SKU                    |
| Flare 30           | LUV-50    | 50 SQ" Louver  | <a href="#">LUV50</a>  |
| Flare 45           |           |                |                        |
| Flare 50           |           |                |                        |
| Flare 60           | LUV-70    | 70 SQ" Louver  | <a href="#">LUV70</a>  |
| Flare 70           |           |                |                        |
| Flare 80           | LUV-100   | 100 SQ" Louver | <a href="#">LUV100</a> |
| Flare 100          |           |                |                        |

*\*Air intakes are required on Blower Kit and Cool Glass equipped fireplaces only.*

*\*\*Double the intake on see through and room definers, balancing size and positioning on both long sides.*

*\*\*\*Standardized air intake louvers are available, but designing a unique intake is acceptable.*



### Passive Heat Flex Kit

The Passive Heat Flex System Includes:

- Heat Flex Box
- Heat Release Louver and In-Wall Mount
- Flex Pipe Adapters

| Model Size | Part Name | Description                              | Flex Quantity/Size | SKU                     |
|------------|-----------|------------------------------------------|--------------------|-------------------------|
| 30         | HFPK-70   | Passive Heat Flex Kit for 30" Fireplace  | 4 / 4"             | <a href="#">HFPK70</a>  |
| 45         | HFPK-100  | Passive Heat Flex Kit for 45" Fireplace  | 4 / 4"             | <a href="#">HFPK100</a> |
| 50         | HFPK-100  | Passive Heat Flex Kit for 50" Fireplace  | 4 / 4"             | <a href="#">HFPK100</a> |
| 60         | HFPK-120  | Passive Heat Flex Kit for 60" Fireplace  | 4 / 6"             | <a href="#">HFPK120</a> |
| 70         | HFPK-120  | Passive Heat Flex Kit for 70" Fireplace  | 4 / 6"             | <a href="#">HFPK120</a> |
| 80         | HFPK-180  | Passive Heat Flex Kit for 80" Fireplace  | 6 / 6"             | <a href="#">HFPK180</a> |
| 100        | HFPK-180  | Passive Heat Flex Kit for 100" Fireplace | 6 / 6"             | <a href="#">HFPK180</a> |

### WOOD - FLAT - SIDE VIEW

INCLUDED LOUVERED RELEASE  
(SIZED BASED ON THE SIZE OF THE FIREPLACE)

HEAT FLEX BOX MOUNTED  
A MINIMUM OF 35" ABOVE  
THE FIREPLACE

12" CLEARANCE FROM  
BASE OF TV TO TOP OF  
GLASS OPENING

4" CLEARANCE TO UNCOVERED  
WOOD STUD ABOVE FIREPLACE

 COMBUSTIBLE MATERIAL

 NON-COMBUSTIBLE MATERIAL

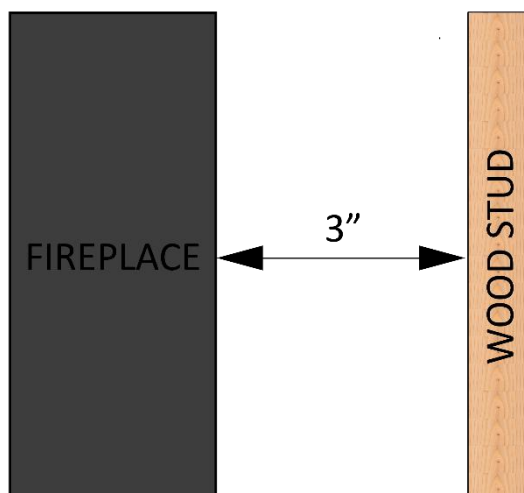
AIR INTAKE  
\*COOL GLASS ONLY

NON-COMBUSTIBLE  
FIRESTOP

1" MINIMUM FROM  
CONCENTRIC PIPE TO  
ANY MATERIAL

3" MINIMUM TO  
COMBUSTIBLE BACK  
AND SIDES

### Wood Framing Clearances and Materials Example



\*Any combustible material found within the fireplace cavity must maintain a 3" clearance to the sides and back, and a 4" clearance to the top of the fireplace.