



## SPECIFICATION SHEET

### Smart Vents



Flair's **Zoning and Air Balancing solutions** integrate Flair Smart Vents into home HVAC systems to enhance comfort, improve energy efficiency, and enable precise room-level climate control and air balancing.

| Size  | SKU           | UPC          |
|-------|---------------|--------------|
| 4x10  | FLAIRVENT410  | 868596000206 |
| 4x12  | FLAIRVENT412  | 868596000244 |
| 4x14  | FLAIRVENT414  | 868596000282 |
| 6x10  | FLAIRVENT610  | 868596000213 |
| 6x12  | FLAIRVENT612  | 868596000251 |
| 6x14  | FLAIRVENT614  | 868596000275 |
| 8x10  | FLAIRVENT810  | 850047423139 |
| 8x8   | FLAIRVENT88   | 850047423016 |
| 10x10 | FLAIRVENT1010 | 850047423023 |
| 12x12 | FLAIRVENT1212 | 850047423030 |

| Accessories                            | SKU                   | UPC          |
|--|-----------------------|--------------|
| Flair Puck                             | FLAIRPUCK001          | 868596000220 |
| Flair Puck Pro                         | FLAIRPUCK001P         | 868596000299 |
| Bridge                                 | FLAIRBRIDGE001        | 868596000268 |
| Bridge Pro                             | FLAIRBRIDGE001P       | 850047423146 |
| Static Pressure Kit                    | FLAIRSPK001           | 850047423177 |
| Smart Vent Covers -<br>Cast Iron Black | 4x10: FLAIRGRILL410B  | 850047423108 |
|  | 4x12: FLAIRGRILL412B  | 850047423115 |
|  | 4x14: FLAIRGRILL414B  | 850047423122 |
| Smart Vent Covers -<br>Espresso        | 4x10: FLAIRGRILL410DB | 850047423047 |
|  | 4x12: FLAIRGRILL412DB | 850047423054 |
|  | 4x14: FLAIRGRILL414DB | 850047423061 |
| Smart Vent Covers -<br>Caramel         | 4x10: FLAIRGRILL410LB | 850047423078 |
|  | 4x12: FLAIRGRILL412LB | 850047423085 |
|  | 4x14: FLAIRGRILL414LB | 850047423092 |

## COMPATIBILITY



Fixed Speed Equipment



Variable and Multi-Stage  
Equipment



**Backpressure Protection:**  
Protocols in place that prevent  
too many Smart Vents from  
being closed at once.

## SPECIFICATIONS

**Power:** Wireless | 2 x C (included), Wired | 24 VAC

**Operating Temp Range:** 0°C to 50°C / 32°F to 122°F

**Storage Temp Range:** -10°C to 55°C / 14°F to 131°F

**Operating Humidity:** 5% to 95% RH (non-condensing)

**Color:** White

**Sensors:** Temperature, Pressure

**Radios:** 915 MHz

**Mounting:** Screws (included)

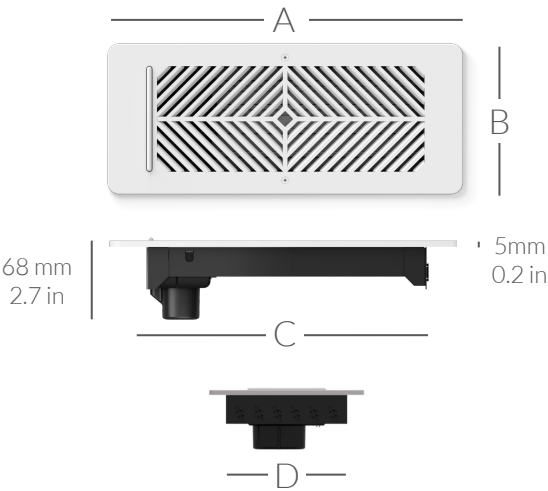
For full wiring diagrams, see [flair.co/wiring](https://flair.co/wiring)



SPECIFICATION SHEET

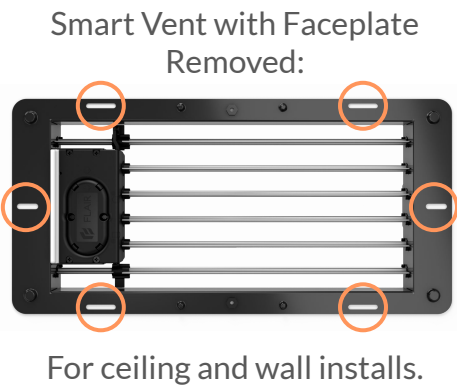
Smart Vents

MEASUREMENT GUIDE



| Size  | A (in) | B (in) | C (in) | D (in) | Free Area Without Cover (sq in) |
|-------|--------|--------|--------|--------|---------------------------------|
| 4x10  | 12.0   | 5.1    | 9.6    | 3.6    | 27.4                            |
| 4x12  | 14.0   | 5.1    | 11.6   | 3.6    | 34.6                            |
| 4x14  | 16.0   | 5.1    | 13.6   | 3.6    | 41.8                            |
| 6x10  | 12.0   | 7.0    | 9.6    | 5.6    | 46.6                            |
| 6x12  | 14.0   | 7.0    | 11.6   | 5.6    | 57.8                            |
| 6x14  | 16.0   | 7.0    | 13.6   | 5.6    | 69.0                            |
| 8x10  | 12.2   | 10.2   | 9.6    | 7.6    | 65.8                            |
| 8x8   | 10.2   | 10.2   | 7.6    | 7.6    | 50.6                            |
| 10x10 | 12.2   | 12.2   | 9.6    | 9.6    | 85                              |
| 12x12 | 14.2   | 14.2   | 11.6   | 11.6   | 127.4                           |

MOUNTING HOLES



RESOURCES

ZONING SOLUTION GUIDE  
[flair.co/smart-vent-solution-guide](https://flair.co/smart-vent-solution-guide)



CONTRACTOR SELLING GUIDE  
[flair.co/selling-guide-zoning](https://flair.co/selling-guide-zoning)



WIRING GUIDE  
[flair.co/wiring](https://flair.co/wiring)



FLAIR ACCESSORIES

BRIDGE

A dedicated plug and play networking device.



SMART VENT COVERS

2-Way throw pattern available in three sizes: 4x10, 4x12, 4x14.



PRO ONLY

BRIDGE PRO

Required to monitor static pressure and fan speed.



PRO ONLY

STATIC PRESSURE KIT

Required to monitor static pressure.

