

TECHNICAL DATA SHEET

On/Off Vent Damper

VB2-G



PRODUCT LINE

VB2-G - Two Position On/Off Vent Damper

DESCRIPTION

- The VB2-G Vent Damper is a single blade On/Off damper. It can be used to prevent airflow through the appliance in an off cycle. Suitable for placement in the connectors or common manifold/breeching of Building Heating Appliances
- VB2-G is on/off only, if modulating damper is needed to also control over-draft, see Jeremias VSD-G Modulating Damper and On/Off Damper System



APPLICATIONS

- Motor actuated on/off gas vent damper for gas vents serving gas or liquid burning appliances such as Category I, II, III, & IV Appliances
- Essential for common venting Condensing or Category II/IV Appliances - will not allow any possibility of flue gas recirculation on idle appliances
- Elimination of cycle venting losses through boilers and draft hoods

FUNCTION

- Open/close damper with appliance on/off
- Appliance calls for heat and activates Controller
- Controller interlocked with actuator, which turns the external damper rod
- The rod is connected to a damper blade that rotates to restrict or relieve exhaust flow
- End switch recognizes open damper which permits the appliance to turn on
- When the appliance shuts down, the damper closes

LISTINGS & RATINGS

- Listed to UL-378 Standard for Draft Equipment
- 0.85" WC maximum static pressure
- Leakage rate 10 CFH at 3" WC
- Maximum 550°F continuous flue gas temperature
- 24V DC/AC power supply

CONSTRUCTION

- 20 Gauge 316L stainless-steel housing and blade
- ½" graphite-sealed bearings
- Viton seal on damper blade

CONNECTION/INSTALLATION DETAILS

- ½" flanged connections
- Positioning: horizontal or vertical - shaft must remain horizontal

ADVANTAGES

- Includes a capacitor return safety mechanism
- Condensate tight shaft
- Two auxiliary switches
- Fast acting actuator, 2 or 4 second 0°-90° span

INTEGRATED COMPONENTS

- Damper housing, blade, and shaft
- 0-10 VDC fast-acting actuator
- Vent probe and silicone tubing
- Open and closed position vent switch



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PRODUCT SPECIFICATIONS

VB2-G Dimensions - Two Position On/Off Vent Damper

Dimensional Data - Damper & Actuator				
Model	A	B	C	D
VB2-4-G	4"	4.875"	6.625"	11.25"
VB2-6-G	6"	6.875"	6.625"	12.875"
VB2-8-G	8"	8.875"	6.625"	14.875"
VB2-10-G	10"	10.875"	6.625"	16.875"
VB2-12-G	12"	12.875"	6.625"	19"
VB2-14-G	14"	14.875"	6.625"	21"
VB2-16-G	16"	16.875"	8.875"	23"

