



DESCRIPTION

KW Barometric Draft Regulators, also known as Barometric Dampers, help reduce fuel consumption and increase efficiency in solid, liquid, and gas burning heating appliances. Barometric Draft Regulators compensate for changes in temperature, wind, pressure, as well as seasonal weather changes by limiting the negative pressure in the system to a set value to maintain a steady and consistent draft and prevent over-drafting.

APPLICATION

Flue systems serving all solid fuel, gas, and liquid burning appliances.

LISTINGS & RATINGS

UL 378—Standard for draft equipment, up to 1000°F continuous, 1400°F abnormal
ULC/ORD-C378—75 (R2018)—Standard for draft equipment, up to 1000° F continuous, 1400° F abnormal

FUNCTION

Improves the fuel efficiency of solid, liquid, and gas burning heating appliances by maintaining steady draft.
Reduces emissions due to less fuel being burned.

CONSTRUCTION

- 304L Stainless Steel
- Includes brass control wheel; does not require additional balancing weights
- Integrated relief mechanism for gas appliances

Model	ZUK 130	ZUK 150	ZUK 150-S	ZUK 180
max. flue gas temperature (DIN 1860)	750 °F	750 °F	750 °F	750 °F
Setting range (required draft in neg. pressure)	0.04–0.10"	0.04–0.14"	0.04–0.14"	0.04–0.24"
Air flow rate at Δp 0.02" wc	45 CFM	80 CFM	80 CFM	110 CFM
Air flow rate at Δp 0.08" wc	75 CFM	130 CFM	130 CFM	160 CFM
Air flow rate at Δp 0.16" wc	95 CFM	175 CFM	175 CFM	210 CFM
Response pressure of pressure relief valve	> 0.40" wc	> 0.40" wc	-----	> 0.40" wc
max. open cross-section pr. relief valve	10 in ²	5.25 in ²	-----	5.25 in ²
Air flow rate as combined sec.-air appliance at Δp 0.08" wc	> 60 CFM	-----	> 130 CFM	> 120 CFM

The air flow rates given for Δp refer to the negative static pressure above the set point of the barometric damper.

KW USA

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