

## CDR195 HIGH TEMPERATURE, LOW LEAKAGE DAMPER

Ruskin developments in high temperature, low leakage dampers have surpassed the competition. Model CDR195 utilizes a one-piece frame and flange construction for leakage performance as low as 1/4%. The center-pivoted blade design enables the damper to seat positively against Ruskin's exclusive high temperature blade seal design. With system capabilities of 20" WG and temperature excursions to 1200°F, Model CDR195 is well suited for incineration systems or wherever low leakage is needed at high temperatures.

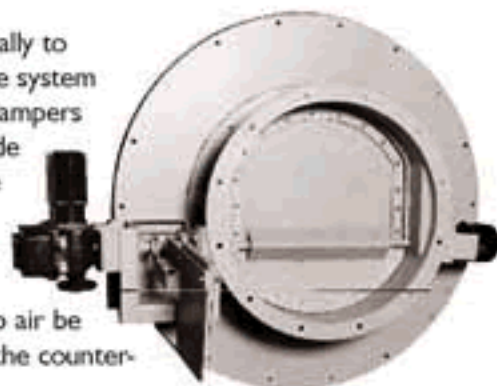
### ■ Features Include

- \* Single-piece carbon steel frame
- \* Adjustable and maintainable blade seal with ceramic fiber cord enclosed in a high temperature material
- \* Designed for normal operation at temperatures up to 750°F
- \* Available in sizes exceeding 60" in diameter



## PDR92 PRESSURE RELIEF PURGE DAMPER

Ruskin pressure relief style purge dampers are designed specifically to provide make-up air to incineration systems and to protect the system from the effects of overpressurization. Ruskin pressure relief dampers operate using a counter-balance design with motorized override or with the counter-balance design only. The offset single blade design lets Ruskin engineers calibrate each damper to exact customer specifications. Under normal system conditions, the damper will serve to provide pressure relief to the system, thereby reducing the risk of system starvation. Should make-up air be required prior to fan start-up, the actuator will then override the counter-balance and open the damper blade.



## CD80AF3/4 HEAVY DUTY AIRFOIL CONTROL DAMPER

Ruskin has the technology and experience to design and manufacture products like the Model CD80AF industrial multiblade airfoil damper series. A welded 10 gage frame available with 1" axles and outboard bearings equip the CD80AF3/4 with the structural integrity necessary to ensure optimal performance. Perfect for applications which require low levels of leakage at high static pressures.



### ■ Features Include:

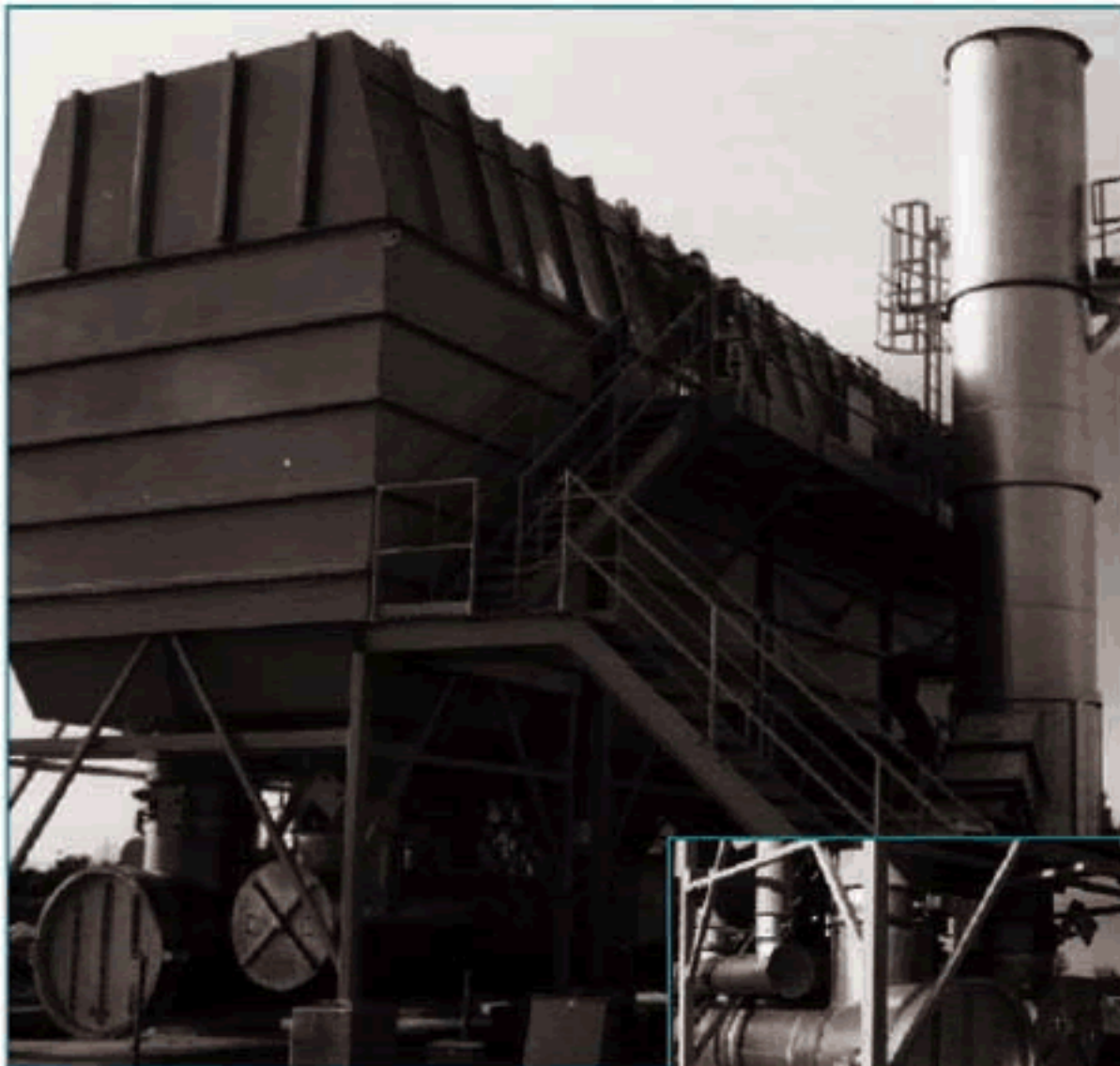
- \* Ability to withstand up to 45" w.g. static pressure with blades closed at fan shut-off
- \* Able to operate in temperatures up to 400°F
- \* 5.75" to 7.75" wide, double-skin, airfoil type blades
- \* Optional blade seals (EPDM, Silicone, or Stainless Steel) and jamb seals (Stainless Steel)

### ■ Fan discharge and fan isolation

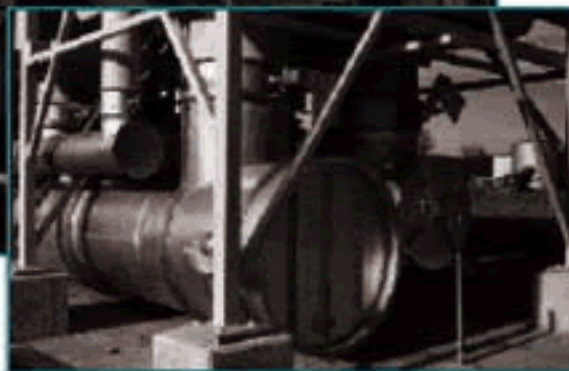
### ■ Available With:

- \* Pneumatic or electric actuation
- \* Position sensors
- \* Elevated temperature construction





Model CDR195 dampers installed on a Model 5400-5-98-95 US Filter/Huntington Energy Systems Regenerative Thermal Oxidizer



Precise flow control of contaminants to an incinerator will optimize VOC destruction efficiency prior to release to atmosphere. To accomplish this, the control damper, integral to the system, must withstand elevated temperatures and a caustic environment while providing the extreme low leakage requirements. Ruskin has developed a full line of control dampers which function effectively within systems such as this Regenerative Thermal Oxidizer and which provide the leakage requirements necessary to ensure optimal VOC destruction. These dampers utilize a Ruskin Exclusive blade seal design that can be easily maintained when necessary, and center-pivoted blades are incorporated to provide a 1/4% leakage rate at 20" W.G.. Regardless of the type of incineration system to be utilized, Ruskin Model CDR195 can be tailored to meet your system's airflow control requirements!