

OPERATION & MAINTENANCE

INDUSTRIAL BACKDRAFT DAMPERS

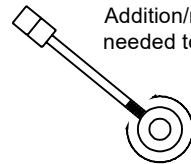
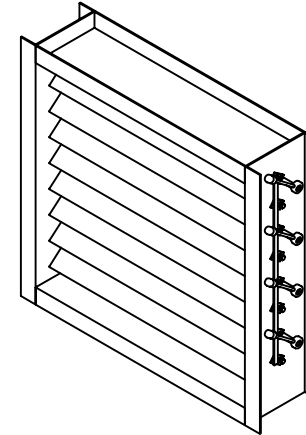
SAFETY WARNING:

Improper service or maintenance can cause property damage, injury or death. Read the operating and maintenance instructions thoroughly before servicing this equipment.

STORAGE OF DAMPERS PRIOR TO INSTALLATION

The basic intent of proper storage of heavy duty/industrial dampers is to prevent physical damage, material corrosion, and deterioration of organic material.

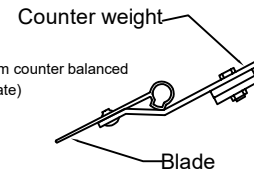
- Visually inspect the damper for damage. Store indoors, protected from sunlight, moisture and flooding. Protect dampers from debris and dirt accumulation. Keep all conduit entry plugs and actuator access covers in place.
- The damper should be stored in a clean dry area. Damage due to moisture is not covered by Damper warranty.
- Isolate Damper from any high vibration loading.



Addition/removal and/or adjustment of weights may be needed to achieve opening set point (to be set in field)

Precision Counter Balanced; both by rotation in hub or slide weight up or down the rod in addition to removal or adding weights.

Optional: In airstream counter balanced (no side plate)



DAMPER MAINTENANCE

United Enertech's dampers are designed to be trouble free and hassle free under normal operation. Dampers are to be installed square and straight so as to prevent binding during operation. The following annual damper maintenance suggestions (on the next page) will help insure proper damper operation and increase the life expectancy of the damper.

Due to continuing research, United Enertech reserves the right to change specifications without notice

Job Name:	☐ INDUSTRIAL BACKDRAFT DAMPERS		
Location:			
Architect:	DRAWN BY:	DATE:	REV. DATE:
Engineer:	CLJ	5-8-13	5-27-15
Contractor:	REV. NO.	APPROVED BY:	Page 1 of 2
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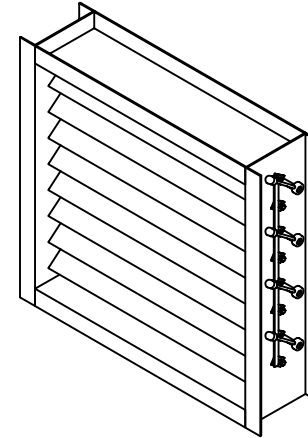
Operation & Maintenance continued.....

♦ Over the course of time, dirt and grime may collect on damper surface. The damper surface should be cleaned to insure optimal airflow.

♦ Make sure that parts such as linkage, bearings, etc. that are intended to move freely can do so. Lubricating these components can prevent possible rusting and unnecessary friction. Use only a molybdenum spray oil or similar graphite based oil on sleeve bearings as regular lubricating oil will attract dirt.

BEARINGS: Synthetic, oil impregnated, carbon sleeve, and ball bearings (without grease fittings) do not require lubrication. Ball bearings with grease fittings should be lubricated as follows:

Maximum Duct Temperature			
°F	°C	Lubricant	Minimum Frequency
250	121	NLGI Grade 2 lithium 12-hydrostearate grease	Twice a year
600	316	Hi temperature synthetic, Mobilith SHC100 or equal	Four times a year



- ♦ Remove foreign materials that may be interfering with blade closure or effective sealing of blades with each other or with the frame.
- ♦ Inspect Blade Seals yearly and replace if necessary.
- ♦ Inspect Axle Seals yearly and adjust if necessary.
- ♦ Check weight arms to make sure they are tight and cannot slip.

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