

SECTION 15862DAMPERSPART 1 - GENERAL1.1 DESCRIPTION

- A. Work Included: Provide and install dampers and accessories where shown on the Drawings.
- B. Related Work Specified Elsewhere:
 - 1. "HVAC General" is specified in this Division.
 - 2. Electrical is specified in Division 16.
 - 3. Combination louvers and dampers are specified in Section 15869.

1.2 QUALITY ASSURANCE

- A. Acceptable Manufacturers:
 - 1. Air Balance, Inc.
 - 2. Airstream
 - 3. Louvers & Dampers, Inc.
 - 4. Ruskin.
 - 5. Or approved equal.

1.3 SUBMITTALS TO THE ENGINEER

- A. Submit shop drawings in accordance with the General Conditions of the Construction Contract.

1.4 DELIVERY, STORAGE AND HANDLING

- A. Deliver as Work progress requires.
- B. Protect in a suitable weathertight enclosure to prevent damage of any nature.

PART 2 - PRODUCTS2.1 MATERIALS

- A. Motor Operated Air Control Dampers:
 - 1. Control Dampers:
 - a. Equal to Ruskin Model CD50 control damper.
 - b. Multi-blade, parallel or opposed blade as indicated.
 - c. Fully gasketed with a maximum allowable leakage of 8 cfm per square foot of face area at 4 inches W.C. differential pressure.
 - d. Entire damper shall be constructed from aluminum 6063-T5 structural shapes and extrusions.
 - e. Bearings and blade shafts shall be non-corrosive.
- B. Self-acting Backdraft Dampers:
 - 1. Self-acting Backdraft Damper (stainless steel ducts):
 - a. Equal to Ruskin S2/SS.
 - b. All stainless steel construction Type 304.
 - c. Polyurethane blade seals.

2. Self-acting Backdraft Damper (aluminum or galvanized steel ducts)
 - a. Equal to Ruskin Model CBD2.
 - b. 0.025" formed aluminum blades.
 - c. Offset pivot blades.
 - d. 1/2 inch dia. aluminum blade shaft.
 - e. Zytel shaft bearings.
 - f. Blade linkage, top and bottom blade stops.
 - g. Adjustable counterweights on each blade.
 - h. Vinyl blade edge seal.
 - i. 6063T5 extruded aluminum channel frame, 0.90" wall thickness.
 - j. Entire unit to fit same masonry opening as Louver.
 - k. Intake or exhaust as required.
- C. Damper Operators:
 1. Manual operators supplied by damper or louver manufacturer.
 2. Motor operators and linkage to connect motor to damper linkage will be furnished and installed by the Automatic Temperature Control (ATC) Contractor.
 3. Normal closed or open as noted, spring return, electric motor operated. Modulating type as indicated in Section 15604.
- D. Miscellaneous Connecting Sheet Metal:
 1. Galvanized steel or stainless steel to match adjacent duct.
 2. Thickness: Per SMACNA
 3. Joints, seams, connections, cross bracing, flanges and supports as required for installation and recommended by SMACNA.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install dampers, operators and linkage in strict accordance with the manufacturer's instructions and recommendations.
- B. Insure all blades open, close, and seal properly.
- C. Adjust weights on backdraft dampers.

END OF SECTION