Elite Industrial Controls

AUTHORIZED REPRESENTATIVE

ARMOREP

Engineering Design, Manufacturing & Final Controls All Under One Roof — Berlin Heights, OH since 1969

FULLY AUTOMATED DAMPERS & VALVES — COMPLETE TURNKEY SOLUTIONS






PRODUCT LINE



ROUND ANSI WAFER BUTTERFLY

2000 / 2200 / 2500

Solid body wafer bolts between Class 125/150 flanges; 300–2500 Class optional. For narrow face-to-face applications.



ROUND BUTTERFLY DAMPERS

2100 / 2300 / 2400 / 2700 / 2800

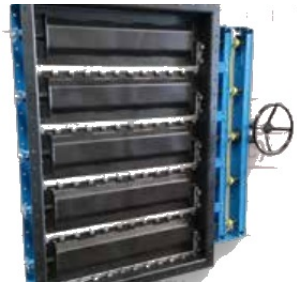
Medium to heavy duty, weld-in and multi-louver. 2700 weld-in for hazardous service, optional 37.5° bevel.



DIVERTER DAMPERS

2600 — Tee & Wye

Bypass applications. Main/branch angle, length and diameter customized to the application. All connection styles.



SQUARE & RECT. BUTTERFLY

3200 Single Blade / 3400 Multi-Louver

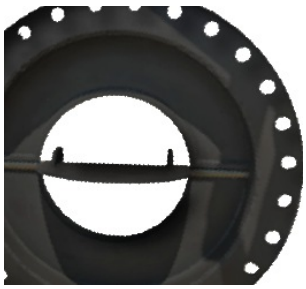
Parallel or opposed blades for air balancing where duct size prevents a round butterfly damper.



BUBBLE TIGHT & ZERO LEAKAGE

4100 EV-O-SEAL™ / 4300 FLATE-O-SEAL™

Double offset shutoff to 425°F. 4100 metal seat; 4300 inflatable soft seat, lower actuator torque. US Pat. 3,840,208.



MONARCH™ ZERO LEAKAGE

4400 — Patent Pending

Uni- and bidirectional zero leakage shutoff with double shaft butterfly disc for high temperature service.



GATE VALVES

5000 Round / 5200 Square-Rect.

All flange and connection styles. Minimal pressure drop — used to limit flow resistance and turbulence.



REFRACTORY LINED DAMPERS

Round & Rectangular

Fully cured refractory lining with water/air-cooled components to 2,500°F — a cost effective alternative to exotic alloys.

BUILT TO YOUR SPECIFICATION

- **Sizes:** 4" to 144"; larger on special request
- **Bodies:** rolled angle ring, ANSI drilled or ductwork flange — your bolt pattern as standard
- **Connections:** any flange style, including weld-in
- **Flange face:** flat-faced, machined or serrated
- **Shafts:** slotted, stubbed or thru-shaft to suit torque
- **Stuffing box:** cryogenic through high temperature
- **Materials:** carbon steel, 304/310/316 SS, Inconel, Titanium, 253MA and more
- **Soft seals:** EPDM, Viton and others for all leakage classes

REPRESENTED IN UTAH, COLORADO & WYOMING BY ARMOREP

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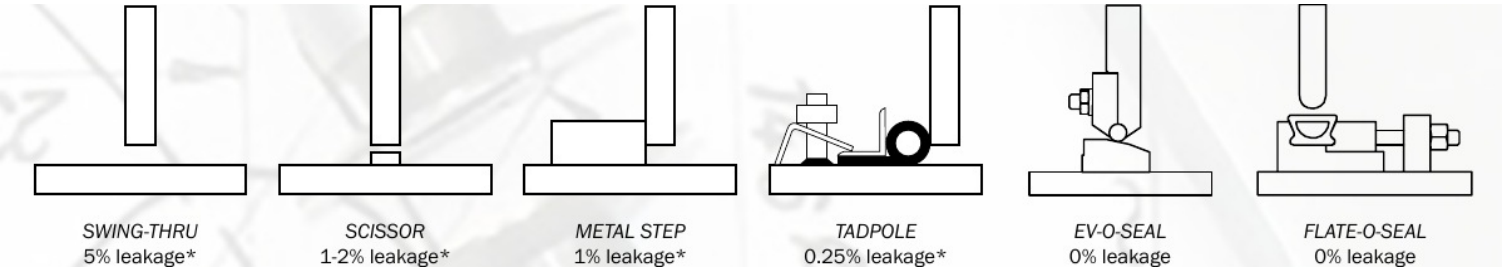
DAMPER & VALVE SEAT OPTIONS



SWING-THRU 5% leakage* | *SCISSOR* 1-2% leakage* | *METAL STEP* 1% leakage* | *TADPOLE* 0.25% leakage* | *EV-O-SEAL* 0% leakage | *FLATE-O-SEAL* 0% leakage

AUTOMATION & FINAL CONTROLS



- Fully automated valves and dampers with optional self-diagnostics.
- Final Controls team mounts, programs and tests pneumatic, electric, hydraulic and manual actuation packages.
- Actuators mounted and tested from Bettis, Rotork, Fisher, AUMA, Neles, Flowserve, Triac and J-Flow.
- Bare stem dampers supplied with custom mounting kits — shaft machining, adapters and brackets.
- Operation test reports and Factory Acceptance Testing on request.

TESTING SERVICES ON REQUEST

- **Weld:** X-ray, dye penetration, ultrasonic | **Pressure:** pneumatic, hydrostatic | **Leak:** air and bubble

POPULAR APPLICATIONS

- Heat recovery
- Carbon capture systems
- Abatement systems
- Thermal oxidizers (RTOs)
- Blast furnaces
- Bypass / diversion ducts
- Fresh air / ventilation
- Boiler systems
- Purge & seal air systems
- Electric arc furnaces
- Flue & exhaust gas
- Dryer systems
- Pre / re-heating systems
- Dust collection / canopy hoods
- Vacuum de-gassers

COMPLETE YOUR PROJECT — TURNKEY SUPPLY



FLANGE GASKETS | METAL & FABRIC EXPANSION JOINTS | COMPANION FLANGES | INSTRUMENT & ACTUATION ENCLOSURES | FLOW & F.E.A. SIMULATION | DESIGN & PROJECT MANAGEMENT

FIELD SERVICE, AFTERMARKET & FACTORY REPAIR

- **On-site & on-demand:** installation, calibration, start-ups, turnarounds and aftermarket repair at your site or ours.
- **Engineering consultation:** collaborative planning and walk-throughs to align on project goals up front.
- **Service contracts:** proactive maintenance programs to minimize downtime.
- **Factory rebuild:** complete disassemble, clean and refurbish of existing equipment — any manufacturer.
- **Quality assurance:** every refurbished item passes an 80-point inspection before re-installation. OEM parts from certified vendors.









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