

# newsrelease

## **NEW ES DAMPER RANGE ENHANCES ACTIONAIR'S HEAVY DUTY AIR CONTROL AND SHUT-OFF CAPABILITY**

Actionair has launched an enhanced range of Heavy Duty Air Control and Shut-off Dampers.

The introduction of this new ES range follows an intensive period of development involving both Actionair's Whitstable headquarters and parent company Ruskin's research and development laboratory in Kansas City.

As a result Actionair will be able to offer a truly comprehensive service embracing standard solutions and specials such as the Ruskin "Bubble" Damper for those infrequent, but vital applications where ultra low-leakage is of paramount importance.

The new ES range embraces dampers for systems requiring air control and low closed-blade leakage characteristics. Four models are available to cover most typical applications - all in rectangular, circular, or flat oval configurations (with matching spigotted casings) and a range of sizes from 200mm to 2080mm (double section).

Specifiers may opt for either standard opposed blade movement, or the optional parallel blade design. All models feature blades retained within the width of the casing so they cannot foul adjacent grilles, louvres etc.

The new Actionair ES 35 and 36 dampers are designed for horizontal mounting in air conditioning and ventilation ductwork. They feature blades with a triple V configuration, fabricated from galvanised steel.

Actionair ES 36 model combines all the performance capability of the basic air control design with the additional feature of a "shut off" function thanks to their low leakage performance when the blades are closed. This low closed blade leakage is achieved by means of stainless steel side gaskets and special blade seals of a synthetic material. The closed blade leakage of ES 36 damper conforms to EN1751 Class 2.

Type ES 35 and 36 dampers are suitable for system pressures up to 1500Pa and duct velocities up to 10m/s.



### **Ultra quiet**

For applications where both air control and shut-off functions must be combined with ultra quiet operation, Actionair offers the new ES50 design. This high performance damper features aluminium blades with a special aerodynamic profile, purpose-designed for low noise generation. Mounting the blade drive mechanisms out of the airstream serves to further minimise pressure and noise.

Blade tip seals also ensure very low air leakage in the closed position - Actionair ES50 Dampers perform to EN1751 Class 3.

Rectangular ES dampers can be supplied housed in a deep galvanised steel frame with 40mm flanges and pre-punched corner holes to match proprietary duct flange systems. As an alternative spigotted casings are available for rectangular models and all circular and flat oval versions.

The Actionair ES range is supported by a full range of matching components including a choice of control options.

Extended spindles for motorised control are supplied as standard. Alternatively, users may choose manual quadrant control. Quadrants are supplied from the Actionair factory as separate items for on site fitting. Finally, customers may opt for factory fitted Belimo Actuators with a choice of 24V or 230V open/closed, or spring return operation. A 24V modulating version is also available.

### **Perfect complement**

The new ES Dampers form a key component in the industry's most comprehensive range of fire and smoke control products. They offer a perfect complement to the Actionair Air/Shield range of Air Control and Shut-off Dampers.

Actionair's parent company Ruskin is a world leader in damper design and manufacture and the full spectrum of Ruskin products is available to underwrite Actionair's range of solutions.

The extensive Ruskin ranges include heavy-duty designs, specifically developed to meet international demand for industrial, marine and tunnel ventilation damper systems that can operate in the most arduous conditions.