



## Rectangular Multi-blade Isolation Dampers



M.C. Air Filtration manufacture's a range of high integrity isolation dampers suitable for use in a wide range of critical ventilation & process applications associated with nuclear, biotechnology, pharmaceutical, research & hospital facilities. Our range of multi-blade ultra-low leakage & zero leakage isolation dampers complement our range of single blade butterfly type dampers. The Multi-blade design is especially suited for applications that will benefit from a thin damper profile.

The M.C. Air Filtration multi-blade isolation damper is defined as an ultra-low leakage or zero leakage damper. They can be used in applications where the differential working pressure will be in the range of 500 & 5000 Pascal.

The maximum leak rate across the blades and seals will not exceed  $0.01 \text{ m}^3/\text{h} \times \text{m}^2$  with a pressure differential of 2000 Pa

### Materials of Construction:

Body & flanges	All welded construction from painted carbon steel or 304L / 316L grade stainless steel
Blades	Spring loaded self-compensating blades manufactured from painted carbon steel or 304L / 316L grade stainless steel
Operating spindles	304L / 316L grade stainless steel with bronze iolite bushes and nitrile rubber O ring seals
Blade seals	Silicone sponge rubber
Actuation	Hand-lever manufactured from 304L / 316L grade stainless steel with positive thumb screw locking in both the open & closed position (supplied with or without padlock option) Electric actuation (power open power close or spring return) Pneumatic actuation (power open power close or spring return)

### Quality Control:

All M.C. Air Filtration products are designed, manufactured and tested under strict quality controlled conditions and in accordance with our BS EN ISO 9001:2008 accreditation. Each isolation damper will be individually factory tested and issued with a unique serial number for future trace-ability.

Alternative sizes, specifications and materials of construction may be available. Please contact this sales office to discuss your specific requirement and for further information on these products.

We reserve the right to change product specification without notice

Publication No 34.12 8-09/12

