

# ENERGY SAVING ISOLATION DAMPER K100, K100-U, K200, K200-U

Description:

- > K100 Low leakage energy saving volume control damper (Insulated Blades)
- K100-U Ultra low leakage energy saving volume control damper (Insulated Blades). Blade leakage in accordance with DIN 1946 part4
- > K200 Low leakage isolation volume control damper
- K200-U Ultra low leakage isolation volume control damper. Blade leakage in accordance with DIN 1946 part 4



#### Applications:

- Multi-leaf dampers primarily used in air conditioning and ventilation systems for volume control, pressure control and isolation
- This range of dampers are energy saving, reducing air loss considerably over standard products. The K100 & K100-U incorporate insulated blades for improved thermal performance and noise reduction
- > Direct fixing to the inlet louvres to form one assembly
- > Room isolation in manufacture of pharmaceutical products
- > Agricultural stores
- System sterilization



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# ENERGY SAVING ISOLATION DAMPER K100, K100-U, K200, K200-U

Features:

- K100-U and K200-U ultra low leakage dampers meet the stringent DIN 1946 part 4 standard for blade leakage
- > K100 & K100-U dampers incorporate thermal insulation within the blade section
- High strength galvanised channel casing
- > Aerofoil section extruded aluminium blade with integral blade edge seal
- > Opposed blade action for optimum air control
- > Full Length 12.7mm square drive shaft
- Individual blade coupling by plastic gears, running in maintenance free acetal bushes, forming a nonferrous gearing system
- > Manual, electrical or pneumatic control options
- > Large single and multiple module assemblies
- > Circular Spigot or Flanged connections available
- Face and bypass dampers

Construction:

- Casing 1.2mm thick galvanised mild steel casing, 132mm deep and 40mm flanges c/w 10mm return edge for flange clamps
- Blades Aerofoil section extruded aluminium blades, 103mm wide c/w EPDM edge seals. K100 and K100-U blade sections filled with thermal insulation
- Gears Plastic gear with integral stub spindle. K100-U and K200-U gear fitted with foam/felt side seals running on low friction PTFE strip
- > Bushes 25mm diameter hard acetal, incorporating locking rib. Bushes encased as standard



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# AIR CONTROL EQUIPMENT K100/K200 ENERGY SAVING ISOLATION DAMPER K100, K100-U, K200, K200-U

40 DAMPER WIDTH 40 AIR FLOV IN EITHEU DIRECTIO	Damper Construction				
	4				
HDIEH NAUVAL UNDER SPINDLE STD OPTION					
ELEVATION DAMPER FACE END SECTION   PL A DES IN OPEN POSITION VIEW ON A - A					
BLADES IN OPEN POSITION					

#### Size Range:

- K100, K200 100 W x 108 H to 1250 W x 1250 H in a single module
- > K100-U, K200-U 100 W x 108 H x 1000 W x 1008 H in a single module
- > For larger multiple module assemblies, please consult our technical department
- > Circular, flat oval, spigot & flanged units are available



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## ENERGY SAVING ISOLATION DAMPER K100, K100-U, K200, K200-U

### **Operating Conditions:**

- Temperature: -10°C to +90°C
- Pressure: ± 2500Pa
- Velocity: up to 20m/s

### **Control Options:**

- M = Manual operated quadrant
- > E = Extended spindle for motorization (by others)

### **Factory Fitted Actuators:**

- Electrical actuator options 24/110/240 volt units. Double acting /open-close, modulating, spring return
- Pneumatic actuator options. Double acting/open-close, modulating, spring return

#### ORDERING

1500 W x 1008 H	Ч (К 100-U		SM24A-SR
Size	Туре	(E) Extended spindle	Actuator Type
		(M) Manual operation	$\ll$
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