

Konvekta

LTD

NON RETURN
DAMPERS

B RANGE

APPLICATIONS

- Multi-leaf non-return dampers primarily used as open air operated opening or closing dampers for intake, discharge and pressure relief vents in air conditioning systems.
- Non-return dampers on fan discharge.
- Suitable for use within systems from low to high velocity.
- B100-PVC and B200-PVC suitable for use in both corrosive atmospheres such as swimming pools and fume cupboards.



FEATURES

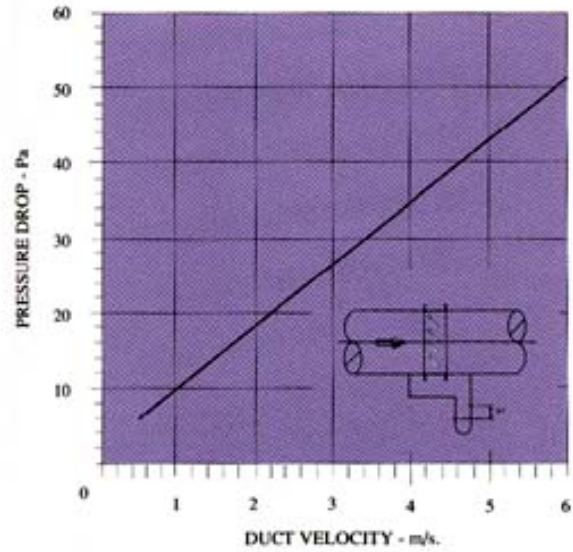
- High strength channel casing.
- Large range of material options - aluminium, galvanised stainless steel and PVC, to suit application and customers' requirements
- Maintenance free nylon bushes.
- Encased bearings.
- Large single modules and multi-damper assemblies.
- Flanged and spigoted casings.

PRODUCT RANGE

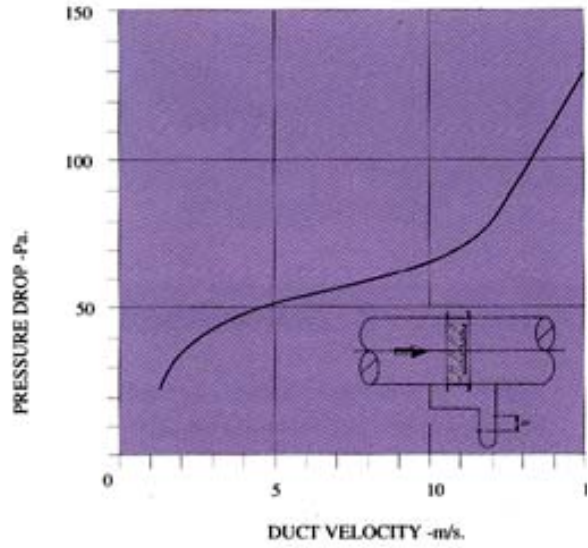
B100	-Low velocity (0-5m/s)
B200	-Medium velocity (5-15m/s)
B100-PVC	-Low velocity (0-5m/s) Corrosive Resistant
B200-PVC	-Medium velocity (5-15m/s) Corrosive Resistant

PERFORMANCE DATA

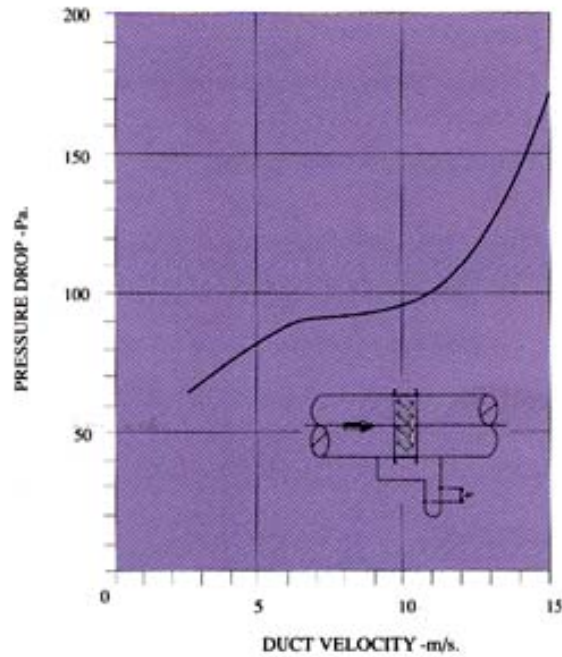
**Figure 1 Velocity vs. Pressure Drop
TYPE B100 & B100-PVC**



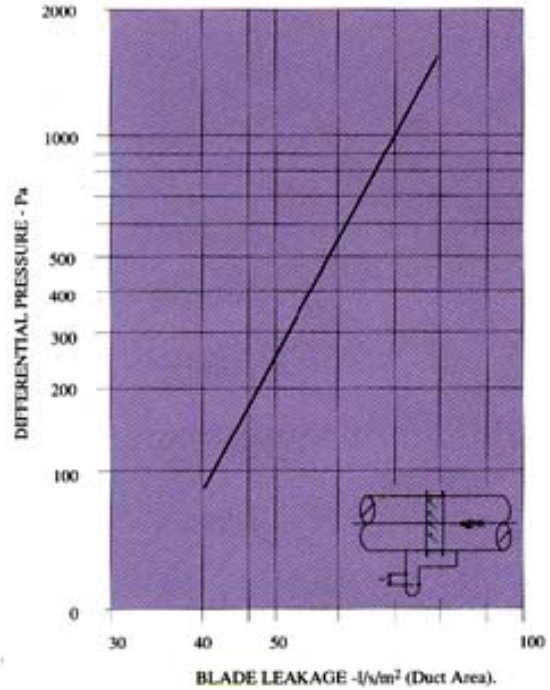
**Figure 2 Velocity vs. Pressure Drop
TYPE B200**



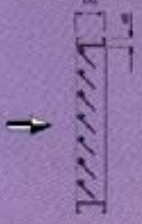
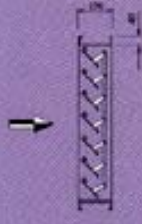

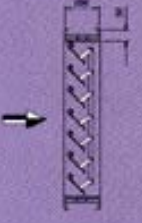
**Figure 3 Velocity vs. Pressure Drop
TYPE B200-PVC**



**Figure 4 Blade Leakage vs. Pressure Differential
'B' RANGE**

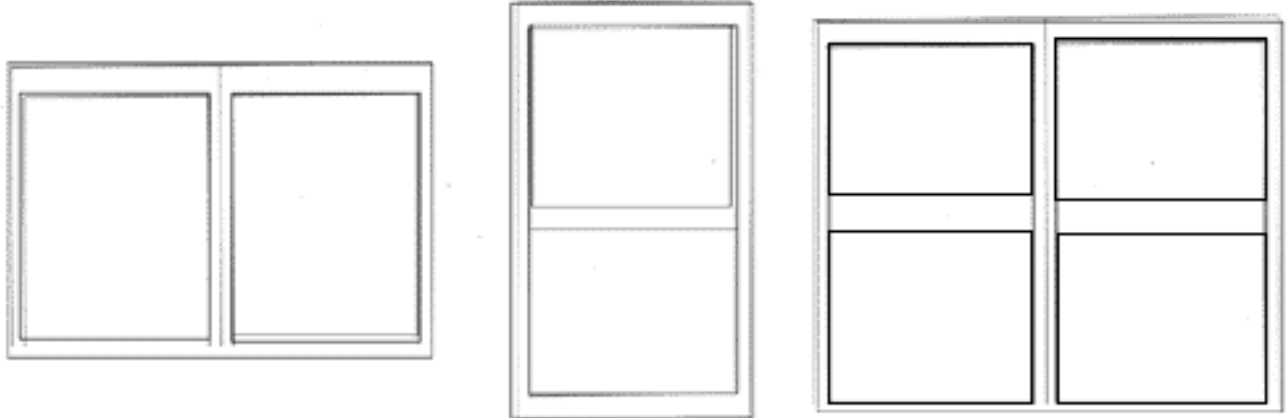


CONSTRUCTION DATA

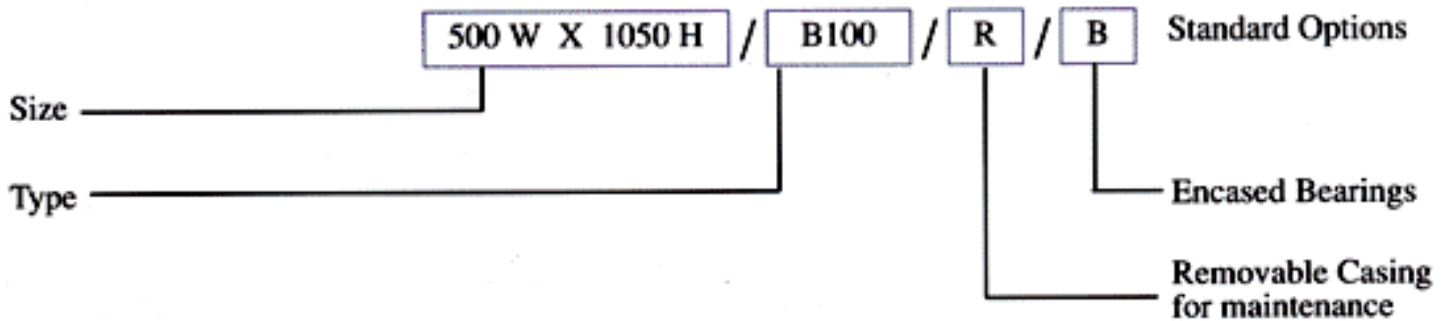
	SIZE RANGE	OPERATING CONDITIONS	SPECIFICATIONS
B100 	100 - 1000mm W 150 - 2050mm H	0-5m/s -10 to 100°C	Description: Low velocity non-return back draught damper. Construction: Casing- 1.2mm thick galvanised mild steel. Depth 132mm, 40mm flange. Blades- 1.6mm thick aluminium at 100mm centres. Bushes- Nylon.
B200 	100 - 1000mm W 150 - 2050mm H	5-15m/s -10 to 100°C	Description: Medium velocity non-return damper. Construction: Casing- 1.2 mm thick galvanised mild steel. Depth 150mm, 40mm flange. Blades- 1.6mm thick aluminium at 100mm centres. All blades linked internally. Bushes- Nylon.
B100-PVC 	100 - 1000mm W 150 - 1050mm H	0-5m/s -10 to 40°C	Description: Low velocity corrosive resistant non-return damper. Construction: Casing- 6.0mm thick extruded PVC double skin case. Depth- 160mm, 50mm flange. Blades- 3.0mm thick PVC at 100mm centres. Bushes- Nylon.
B200-PVC 	100 - 1000mm W 150 - 1050mm H	5-15m/s -10 to 40°C	Description: Medium velocity corrosive resistant non-return damper Construction: Casing- 6.0mm thick extruded PVC double skin case. Depth- 160mm, 50mm flange. Blades- 1.2mm thick 316 stainless steel blade at 100mm centres. All blades linked internally. Bushes - Nylon

MULTI DAMPER ASSEMBLIES

Damper modules can be coupled together to form large multi-damper assemblies. Maximum module width 1000mm.



ORDERING



SPECIALS

- Paint finish to customers requirement
- High temperature
- GRP cladding to PVC units
- Casing profiles to meet customers requirements
- Stainless steel, aluminium & galvanised options available
- Low leakage units
- High velocity

Konvekta
LTD