



VOLUME CONTROL DAMPERS

MULTI-LEAF VOLUME CONTROL WITH AEROFOIL BLADES IN OPPOSED BLADE ARRANGEMENT

- The SLC dampers can be operated either manually with a hand locking quadrant or, automatically with the aid of electric actuators.
- Standard construction of the SLC damper is available with 30 mm wide flanges in all four sides.
- The SLC dampers can also be supplied with either rectangular, square or circular spigots.
- The SLC dampers are also available for low closed blade leakage using the applications C2 variant.

PRODUCT DESCRIPTION



Damper casing is manufactured from 1.2mm galvanized sheet steel.

Aerofoil shaped damper blades are made from extruded aluminium sections.

Standard case bearings are made from engineering plastic. Capable of operating at temperatures up to 80°C.

Maximum tested operating pressure is 1000 Pa.

Blade tip seal is made from PVC material.

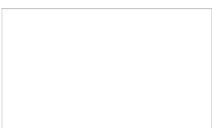
Optional blade side seals are made from Grade 301 stainless steel or equivalent. Blade side seals reduces leakage between blade ends and casing.

Type SLC opposed blade damper

a. Without tip seals



Balancing application
(standard)



Type SLC - A flange casing



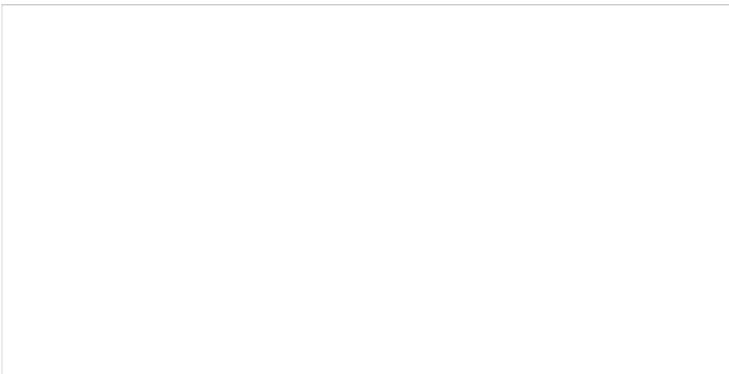
Type SLC - A with wide flange casing



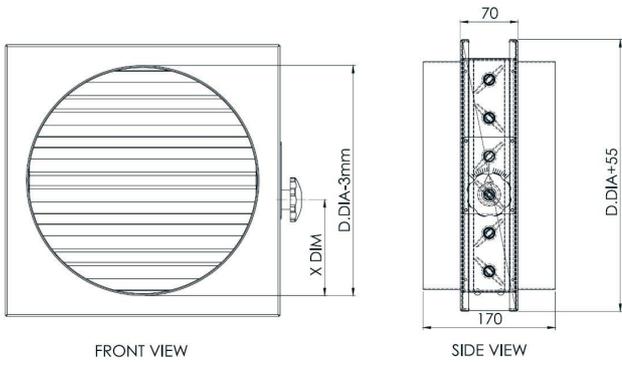
CONSTRUCTION . MATERIAL



Type SLC - A2 with rectangular spigot



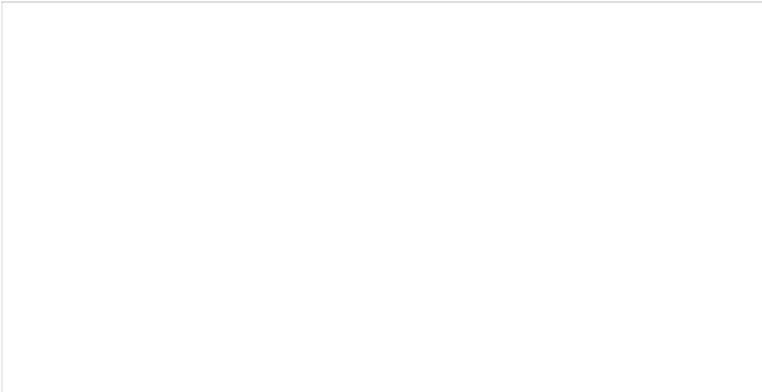
Type SLC - A3 with circular spigot



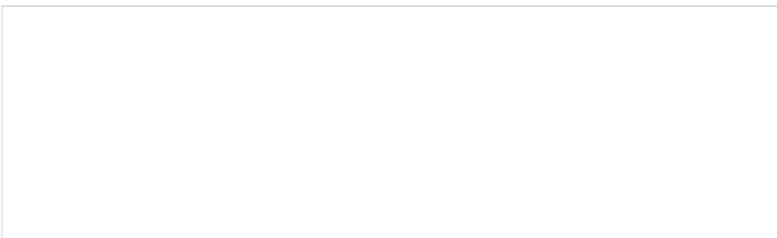
PRODUCT RANGE



Type SLC - Construction variants

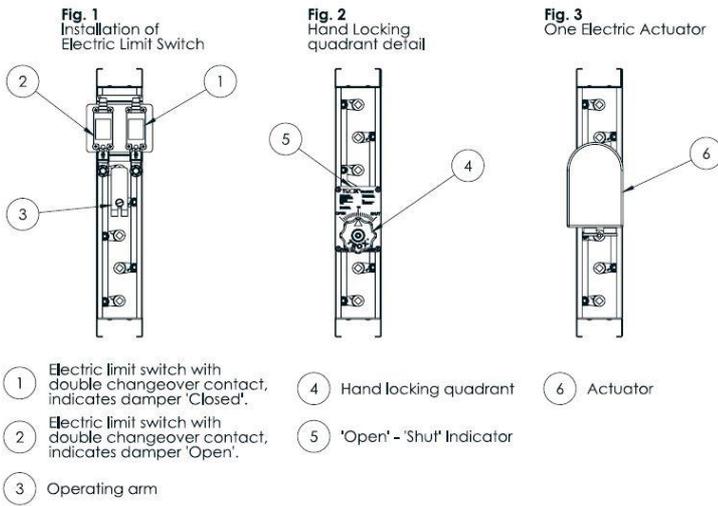


Options for seals



Bearings

Construction Variants	Description
D	Sintered bronze (Standard supply) for motorized dampers
D1	Plastic (standard supply for Z04 - Z07)



TECHNICAL INFORMATION

Multiple assemblies



Note :

1. If the duct size of a damper exceeds 1m x 1m, it will be manufactured to consist 2 dampers joined together as shown above. The maximum joined number of dampers will be 2 horizontally and 3 vertically. Those will be factory, assembles and tested.
2. It is the customer's responsibility to ensure all dampers are correctly installed and properly supported.