

# PROFLEX (S) AIRE PTE LTD

## MOTORISED DAMPER INSTALLATION DETAIL

DOC NO.: 2024-INS-024

### Description

PA Motorized Damper (Model: MD) is designed to adjust the amount of airflow in the ducting system electrically with aid from BELIMO actuator that controlled the shaft based on the signal input. Besides standard constructed from galvanised steel (GI), stainless steel material is available upon request.



### Installation Guideline

#### 1. Accessories Connection

Belimo actuator must secure and tighten to the shaft of the MD at the side of the MD with the use of a minimum of two M5 self-tapping screws on bracket to ensure the actuator is fully secured.

#### 2. Installation Detail

##### A. Slip Joint

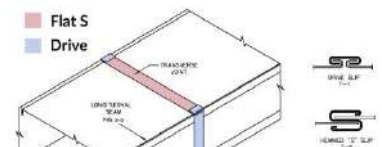
Connect the MD to the ducting, secure one edge with Drive slip (C Clip) and Hemmed "S" Slip (S Clip)

##### B. TDF Joint

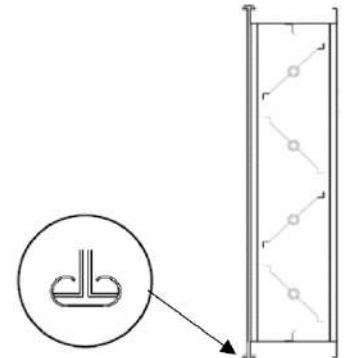
Add one layer of gasket to the MD before assembly to the ducting. Install and tighten M6 bolts and nuts to the slotted holes (at the 4 corners) at the duct and the MD. Use a TDF clip at each end of the flanges to connect both the damper and duct.

##### C. Slot In

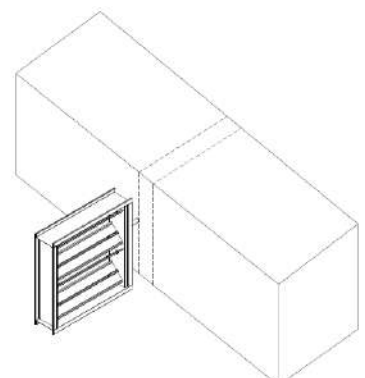
Cut an opening at the selected MD position at the side of the duct with gap of 5mm. Slide the damper into the opening of the duct. Use fastener to secure the damper inside the duct.



**Slip Joint Method**



**TDF Joint Method**



**Slot In Method**