

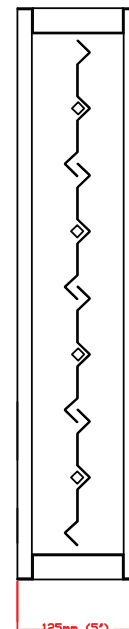
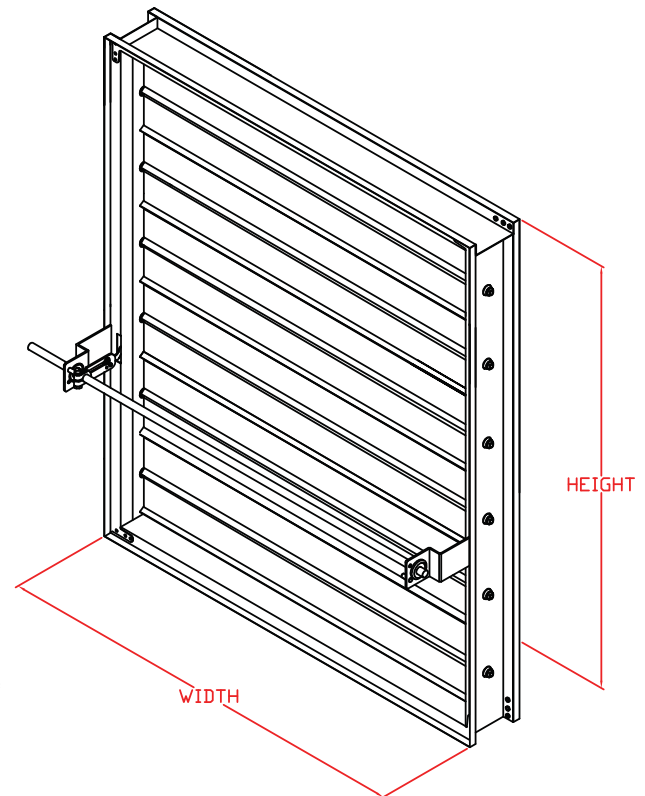
## VOLUME CONTROL DAMPER

### DESCRIPTION

VD-1 is a control damper intended for application in medium pressure and velocity systems (up to 5.0 in. w.g. pressure differential and 3000 fpm velocity)

### STANDARD CONSTRUCTION

- Frame:** 5" deep (127 mm) deep channel frame  
18 gauge (1.2 mm) thick galvanized steel
- Blades:** 18 gauge (1.2 mm) thick galvanized steel  
3-V shaped
- Bearings:** Synthetic bearings
- Axle:** ½" (13 mm) diameter plated steel
- Linkage:** plated steel side linkage concealed in frame
- Finish:** Mill Finish
- Dimensions:** Minimum size: 150 mm x 150 mm  
Maximum size: 1200 mm x 2400 mm  
(single section)  
Multiple sections size: Unlimited  
"W" (width) and "H" (height) are opening sizes. Dampers are made 6 mm undersized.



### OPTIONS

- Lockable hand quadrant for manual operation
- Electric Actuators: 24 V or 230 V
- Factory mounted sleeve
- Retaining Angles
- Stainless steel construction
- Stainless steel linkage and bearings
- Bronze bearings
- Flanged frame
- Special finishes

## VD-1 PERFORMANCE DATA

**PRESSURE DROP:** Below pressure drop data was obtained from tests conducted in accordance with AMCA Standard 500-D. Actual pressure drop found in any HVAC system is a combination of many factors. This pressure drop information along with an analysis of other system influences should be used to estimate actual pressure losses for a damper installed in a given HVAC system.

