

SCD - STEEL CONTROL DAMPERS STANDARD CONSTRUCTION



The SCD series control dampers have been designed and tested to provide a reliable cost effective control damper where tight sealing is NOT of primary importance (for tight sealing dampers, use model SCD-LL). Its design lets it to be used in either exhaust or intake applications.

The SCD series rigid frame and integrally braced corners provide true damper alignment that greatly resists being installed out of square or out of flat. Available in either parallel or opposed blade models.

SCD dampers less than 48" wide x 12" high are furnished with a low profile flat top and bottom to maximize free area. Dampers may be made to accommodate higher than the recommended 2.5" w.g. static pressure. Contact factory if application involves pressures in excess of 2.5" w.g. or velocities greater than 1500 fpm. Factory installed operators are available. Consult factory for details.



Non-standard shutters are non-returnable and cannot be cancelled.

FEATURES

- FRAME:** roll-formed galvanized steel hat section with staked corners with integral bracing.
- BLADE:** 16-18 gauge triple-vee profile roll-formed galvanized steel. Minimum width: 4.25". Maximum width: 7.25". Opposed blades are standard (for parallel, please specify).
- BEARINGS:** bronze oilite, press fit into frame
- AXLES:** square, plated steel

See Controls & Thermostats section for Belimo motor options.

- LINKAGES:** concealed in frame. Leakage bars are 12 gauge thick galvanized steel.
- FINISH:** mill galvanized
- EXTENDED SHAFT:** 0.5" diameter, plated steel
- MAXIMUM TEMPERATURE:** 250°F
- SIZES:** Minimum size: 5" W x 4" H; Maximum size: single section - 48" W x 72" H; Multiple section - unlimited size

ORDERING METHOD

MODEL NOMENCLATURE EXAMPLE

DAMPER STYLES: SCD = SD; SCD-LL = SL

DAMPER
STYLE

SD

24.00

WIDTH

PLACEHOLDER FOR ACTUATOR
(IF REQUIRED)

x24.000A

HEIGHT

A=MOUNTED IN AIRSTREAM
B=MOUNTED OUT OF AIRSTREAM

SCD-LL - STEEL CONTROL DAMPERS LOW LEAKAGE CONSTRUCTION



The SCD-LL series control dampers have been designed and tested to provide an extremely tight sealing damper which is cost effective for the majority of HVAC applications. They are generally recommended for face velocities up to 2000 fpm and static pressures to 2.5" w.g. (Note: for systems in excess of 2.5 w.g., contact the factory.)

The SCD-LL series dampers have inflatable pressure sensitive jamb and blade edge seals to provide the ultimate in sealing characteristics without unduly increasing torque requirements. Available in either parallel or opposed (standard) blade models.

SCD-LL dampers less than 48" wide x 12" high are furnished with a low profile flat top and bottom to maximize free area. SCD-LL dampers have a rigid frame and integrally braced corners that provide true damper alignment that greatly resists being installed out of square or out of flat. This ensures on site performance equal to test results. Factory installed operators are available. Consult factory for details.



Non-standard shutters are non-returnable and cannot be cancelled.

FEATURES

- FRAME:** roll-formed galvanized steel hat section with staked corners with integral bracing.
- BLADE:** 16-18 gauge triple-vee profile roll-formed galvanized steel. Minimum width: 4.25". Maximum width: 7.25". Opposed blades are standard (for parallel, please specify).
- BEARINGS:** bronze oilite. Press into frame.
- SEALS:** pressure sensitive PVC blade edge & flexible metal jamb seals

- LINKAGES:** concealed in frame. Leakage bars are .125" thick plated steel.
- FINISH:** mill galvanized
- EXTENDED SHAFT:** 0.5" diameter, plated steel
- MAXIMUM TEMPERATURE:** 250°F
- SIZES:** Minimum size: 5" W x 4" H; Maximum size: single section - 48" W x 72" H; Multiple section - unlimited size

PERFORMANCE DATA

The SCD-LL dampers have been tested to **AMCA Standard 500-D** with the following results:

	AT 1.0" w.g.	AT 2.5" w.g.	AT 4.0" w.g.
LEAKAGE (cfm/SQ FT)	3.5	5.0	7.0