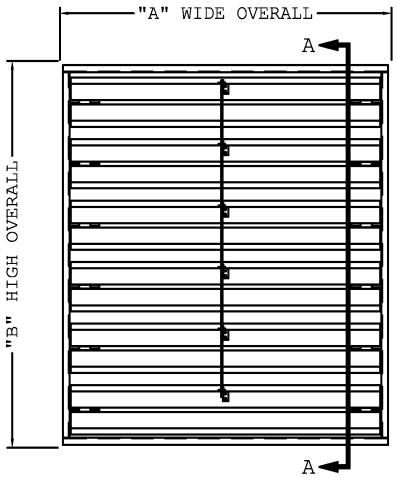
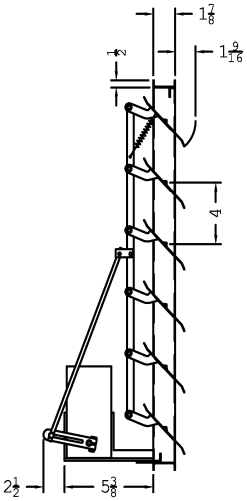
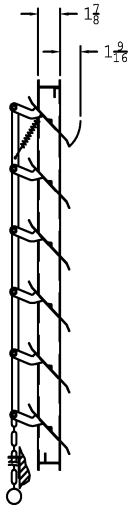
VOLUME CONTROL DAMPER, SINGLE THICKNESS BLADES, GALVANIZED STEEL CONSTRUCTION



FACE VIEW

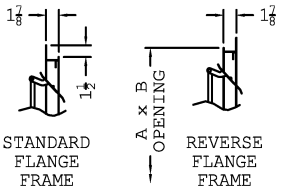


MOTOR OPERATED

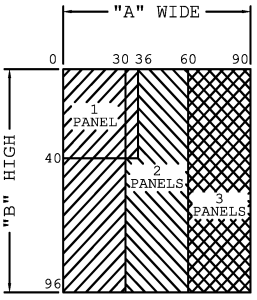


MANUALLY OPERATED

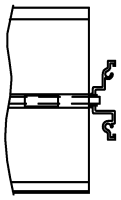
SECTION A-A



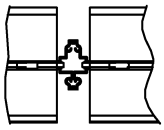
ALTERNATE FRAMES



MAXIMUM FACTORY



JAMB DETAIL WITH DROP-IN FRAME



MULLION DETAIL

AWV ITEM No.	QUANTITY	"A" WIDE OPENING	"B" HIGH OPENING	OPTIONS: MANUALLY OPERATED	MOTOR OPERATED	MOTOR VOLTAGE	WALL MOUNTED	CEILING MOUNTED	STANDARD FLANGE	REVERSE FLANGE	COMMENTS

VC-10 SPECIFICATIONS

FRAME: DROP-IN (STANDARD CONSTRUCTION):
JAMBS: .063" x 1.875" 6063-T6 EXTRUDED ALUMINUM
HEAD & SILL: 1.875" x .50" x 14 GA. FORMED GALVANIZED STEEL CHANNEL.
STANDARD & REVERSED FLANGE OPTIONAL CONSTRUCTION:
.063" x 1.50" FLANGE 6063-T6 EXTRUDED ALUMINUM
ASSEMBLY SCREWS: PLATED STEEL.

MULLION: .063" x 1.875" 6063-T6 EXTRUDED ALUMINUM.

BLADES: 20 GAUGE GALVANIZED STEEL, APPROXIMATELY 5" WIDE.

AXLES: 3/16" DIA. GALVANIZED STEEL ROD STUBS.

BEARINGS: STAINLESS STEEL CUP BEARING.

LINKAGE: GALVANIZED STEEL BRACKETS, STAINLESS STEEL SHOULDER RIVETS, AND ALUMINUM LINKAGE BARS.

STOPS: GALVANIZED STEEL ANGLE AT HEAD & SILL.

FINISH: MILL.

ACTUATOR: MANUAL-CHAIN AND PULLEY ARRANGEMENT. ELECTRIC-SPRING RETURN ACTUATOR AVAILABLE IN 24, 110, 110/220 440, OR 550 VOLT, SINGLE PHASE 60Hz. WHEN DAMPER EXCEEDS TWO PANELS WIDE, MULTIPLE ACTUATORS WILL BE SUPPLIED. ACTUATORS MAY BE LINE VOLTAGE OR FURNISHED WITH A TRANSFORMER.

NOTES

1. DESIGN CRITERIA:
   MAX. FACE VELOCITY: 2500 FPM / 13 m/s.
   MAX. DIFF. PRESS.: 1 IN. W.G. / 250 Pa.
   MAX. TEMP.: 200°F / 95°C WITHOUT ELECTRIC ACTUATOR.
   130°F / 55°C WITH FACTORY SUPPLIED STANDARD ELECTRIC ACTUATOR.
2. MAXIMUM PANEL SIZE: SEE SIZING CHART.
   MINIMUM PANEL SIZE: 10" W x 10" H.
3. "A" AND "B" DIMENSIONS ARE OPENING SIZES. DAMPERS WILL BE FABRICATED 1/8" UNDERSIZE.
4. ANY VARIATIONS FROM THE STANDARD SPECIFICATIONS MUST BE FACTORY APPROVED IN ADVANCE.
5. USE OF OTHER THAN STANDARD ELECTRIC ACTUATORS MAY AFFECT MAX. TEMPERATURE.
6. DAMPER CAN BE MOUNTED VERTICAL OR HORIZONTAL FOR EXHAUST OR INTAKE AIR APPLICATION. WHEN MOUNTING HORIZONTAL, ACTUATOR MUST BE LOCATED ON TOP OF THE DAMPER.

REV.	DESCRIPTION	DATE	BY

DATE:

AWV PROD. No.:

PROJECT:

CUSTOMER / ORDER No.:

ARCH. / ENGR.:

AGENT / ORDER No.:

awv american warming and ventilating
A MESTEK COMPANY
7301 INTERNATIONAL DRIVE HOLLAND, OHIO

VC-10 VOLUME CONTROL DAMPER

DRN. BY	DWG. NO.	REV.
SJA	VC-10-1	
DATE 12-5-00		