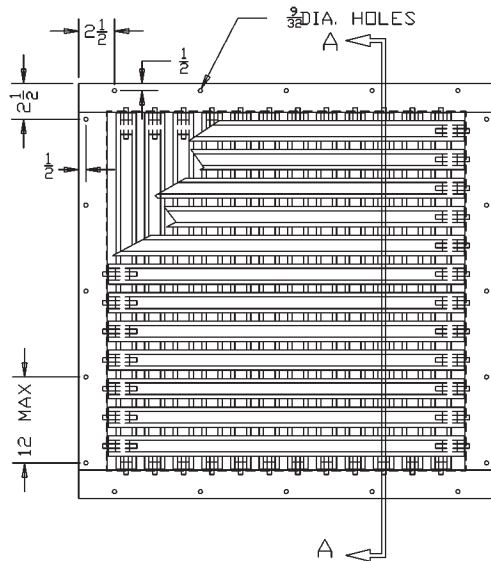
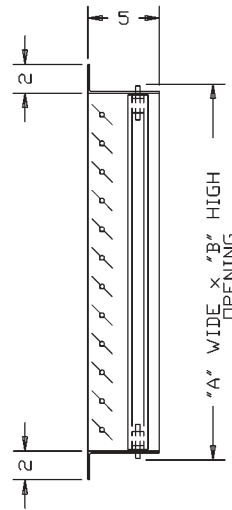


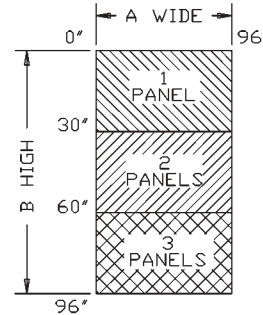
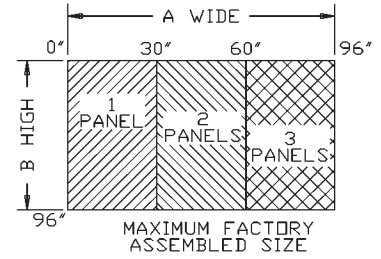
4 - WAY DIFFUSER, SINGLE THICKNESS BLADES, GALVANIZED STEEL CONSTRUCTION



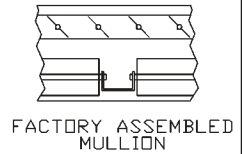
FACE VIEW



SECTION A-A



MAXIMUM FACTORY ASSEMBLED SIZE



FACTORY ASSEMBLED MULLION


AWV ITEM No.	QUANTITY	"A" WIDE OPENING	"B" HIGH OPENING	NUMBER OF PANELS	STAINLESS ST'L CONSTRUCTION	ALUMINUM CONSTRUCTION	OPTIONS	COMMENTS

DF-46F STANDARD SPECIFICATIONS

- FRAME: 5" x 2" x 16 GAUGE GALVANIZED STEEL THRU 18" SQ.
5" x 2" x 14 GAUGE GALVANIZED STEEL ABOVE 18" SQ.
- MULLION: 1 1/4" x 1" x 14 GAUGE GALVANIZED STEEL CHANNEL THRU 75" WIDE OR HIGH.
1 1/4" x 1" x 10 GAUGE GALVANIZED STEEL CHANNEL ABOVE 75" WIDE OR HIGH.
- BLADES: TWO (2) SETS OF 20 GAUGE GALVANIZED STEEL, SINGLE THICKNESS, 3" MAXIMUM WIDTH, HELD IN PLACE WITH A FRICTION DEVICE. EACH BLADE IS INDIVIDUALLY ADJUSTABLE.
- AXLES: 5/16" DIA. PLATED STEEL STUBS.
- FINISH: MILL WITH TOUCH UP ON WELDS.

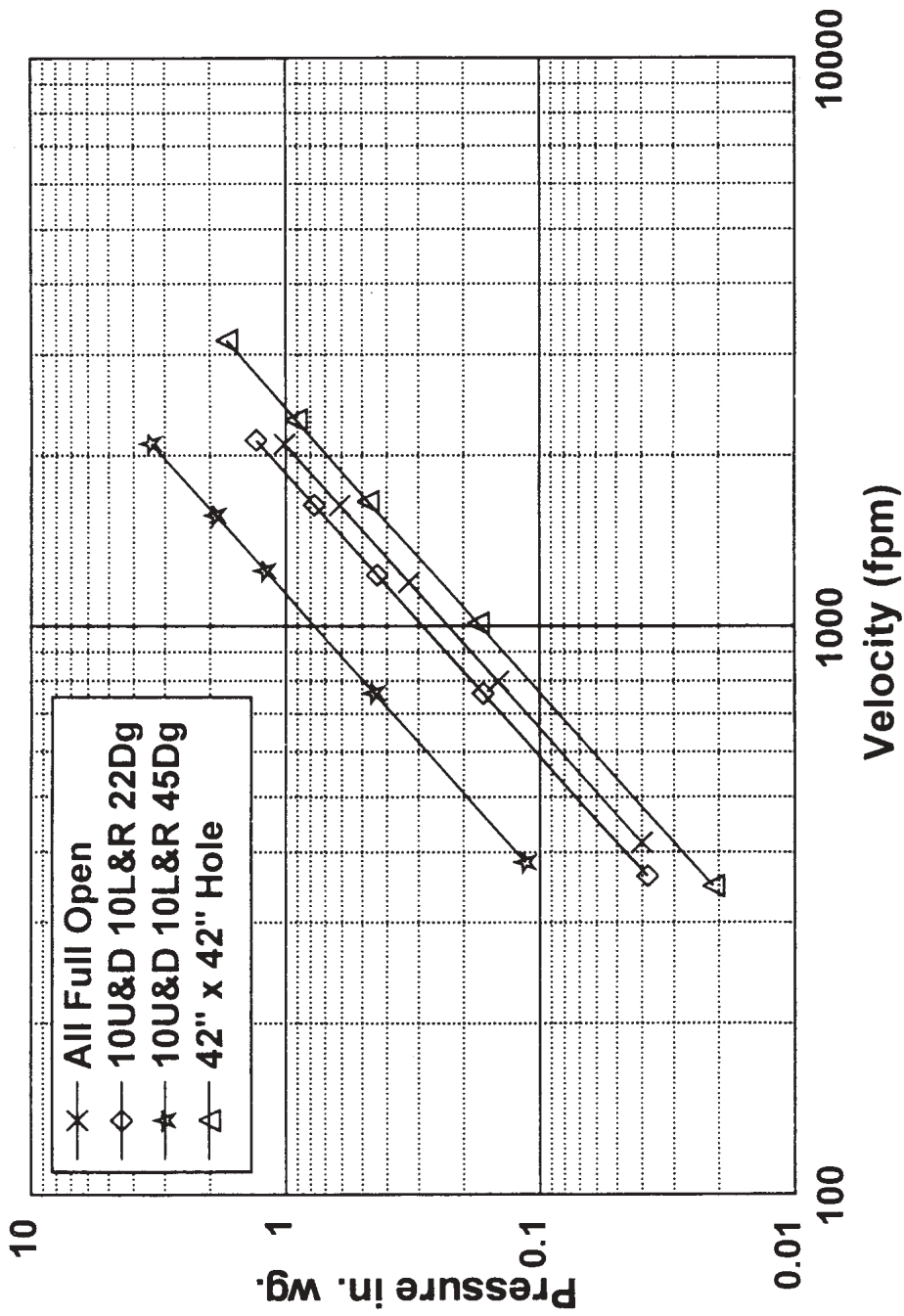
NOTES

- "A" WIDE AND "B" HIGH DESIGNATE THE OPENING INTO WHICH THE DIFFUSER MUST FIT. DIFFUSER FRAMES ARE MANUFACTURED A NOMINAL 1" UNDERSIZE TO PERMIT CLEARANCE FOR THE AXLE TIPS. THIS ALLOWS FOR A NOMINAL USABLE FLANGE AREA OF 1-1/2". THE "A" DIMENSION IS ALWAYS PARALLEL TO THE HORIZONTAL BLADES, IF VERTICAL BLADES ARE REQUIRED, ON THE FLANGE SIDE, SPECIFY "B" AS THE WIDTH AND "A" AS THE HEIGHT.
- MINIMUM PANEL SIZE: 6"W x 6"H.
MAXIMUM PANEL SIZES: SEE SIZING CHARTS ABOVE.
UNITS EXCEEDING SIZING CHARTS WILL BE FABRICATED PER AWV STANDARD PANEL CONSTRUCTION; HOWEVER, EXTERNAL STRUCTURAL SUPPORTS MAY BE REQUIRED (BY OTHERS).
- MAXIMUM FACE VELOCITY: 2000 FPM/10 m/sec

REV.	DESCRIPTION	DATE	BY
DATE :			
AWV PROD. No. :			
PROJECT :			
CUSTOMER / ORDER No. :			
ARCH. / ENGR. :			
AGENT / ORDER No. :			
 american warming and ventilating A MESTEK COMPANY 7301 INTERNATIONAL DRIVE HOLLAND, OHIO			
DF-46F 4-WAY DIFFUSER			
DRN. BY	JVA	DWG. NO.	REV.
DATE	4-11-00	DF-46F-1	

Diffuser Pressure Drop

DF-46 Four Way Diffuser 42" x 42"



AMCA Std. 500 Fig. 5.5
 Legend Abbreviations For Blade Positions
 U=Up D=Down L=Left R=Right Dg=Degrees