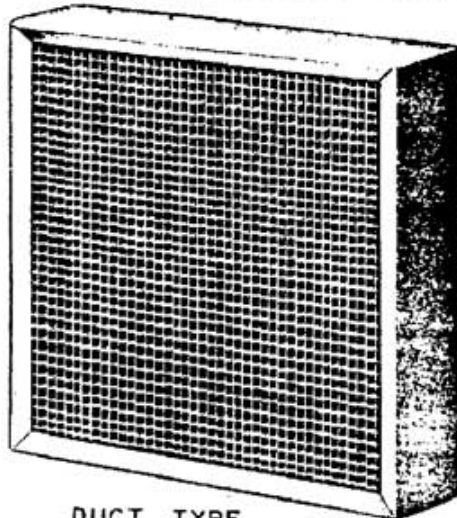




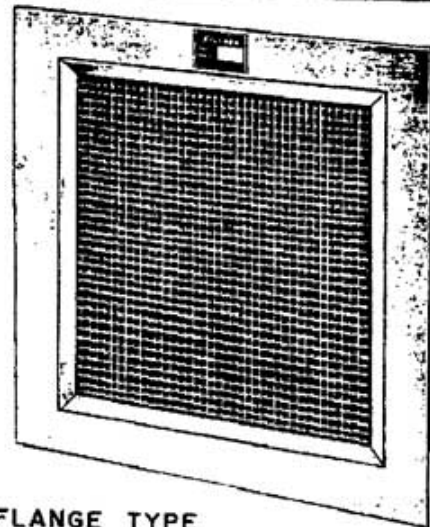
UNIVERSAL SHIELDING CORP.

20 W. JEFFRYN BOULEVARD  
DEER PARK, NY 11729

ATTENU-DUCT®



DUCT TYPE



FLANGE TYPE

### FEATURES

- Blocks out Electromagnetic Radiation from shielded enclosures while permitting efficient air flow for ventilation, heating or cooling.
- Attenuation covers the entire radar frequency range.
- All brazed construction. Hot-tinned or galvanized finish.
- Standard or custom sizes. Special assemblies to order.

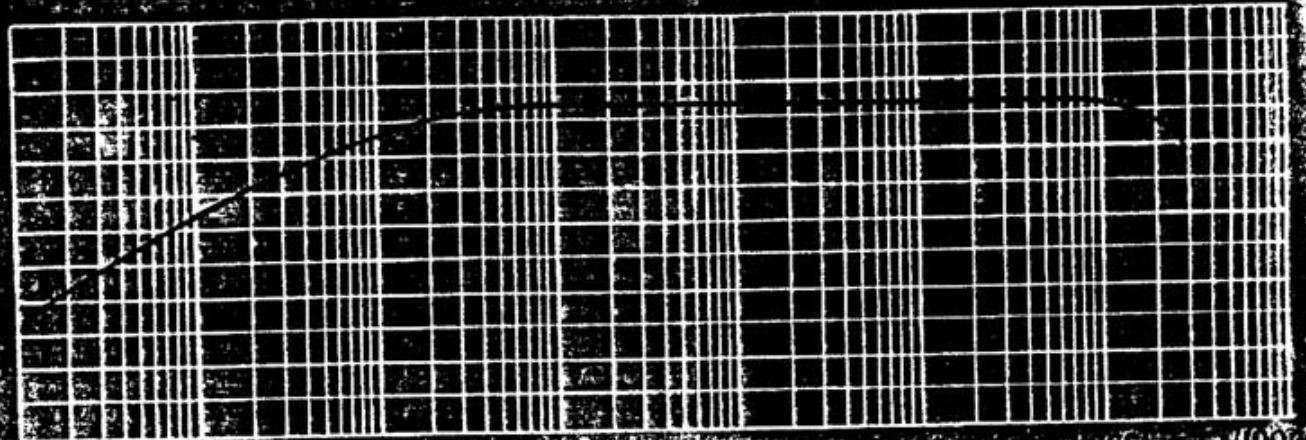
U.S.C. ATTENU-DUCT® R.F. waveguide-type filters are designed to provide maximum cooling and ventilation without degrading the electromagnetic shielding efficiency of the enclosure. They are normally used to maintain shielding efficiency and provide maximum protection for personnel and sensitive electronic equipment in shielded enclosures, equipment racks and/or buildings physically located in or near high-powered radar installations. Typical ATTENU-DUCT® installations have been made in BMEWS sites in Greenland and Alaska; in Nike-Zeus missile systems at White Sands; and at missile tracking stations, R.F. laboratories and communication sites at Kwajalein and numerous other installations.

Series 1300 ATTENU-DUCTS® are made of light-weight steel, rectangular honeycombed and brazed. They are available in two types: Flange Type for assembly into floor or ceiling panels in shielded enclosures; and Duct Type for assembly into ventilation and cooling air duct systems.

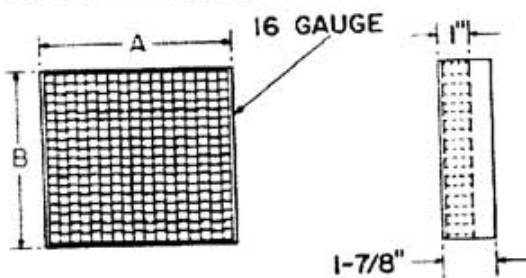
### SPECIFICATIONS

- FREQUENCY RANGE: 15 Kilocycles to above 20,000 Megacycles
- ATTENUATION: 97 db to over 140 db
- MATERIAL & SIZE: Continuously brazed, rectangular honeycomb cells -- 0.0077" steel, 3/16" nominal -- 1" deep. Outside frame -- 16 gauge steel.
- FINISH: Hot-tin dip or galvanized finish. Hot-tin dip finish is recommended when the ATTENU-DUCT® is soft-soldered into position. Galvanized finish is used for maximum resistance to humidity. Galvanized ATTENU-DUCTS® are brazed in place or assembled with conductive gaskets.
- STATIC PRESSURE: Maximum head loss of 0.1 inches of water at 1200 ft./minute air velocity.

# INSERTION LOSS VALUES OF ATTENU-DUCTS® SERIES 13

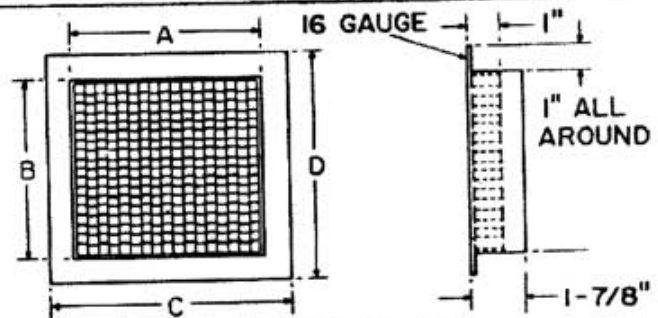


## STANDARD ATTENU-DUCT® SIZES



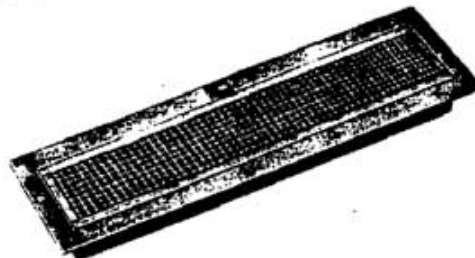
DUCT TYPE

SERIES 1300-D ATTENU-DUCTS		
Part No.	Dimensions in Inches	
	A	B
1300-D-A	6-1/4	6-1/4
1300-D-B	12-1/4	12-1/4
1300-D-C	12-1/4	24-1/4
1300-D-D'	24-1/4	24-1/4
1300-D-E	24-1/4	36-1/4
1300-D-F	24-1/4	48-1/4



FLANGE TYPE

SERIES 1300-F ATTENU-DUCTS				
Part No.	Dimensions in Inches			
	A	B	C	D
1300-F-A	6-1/4	6-1/4	8-1/4	8-1/4
1300-F-B	12-1/4	12-1/4	14-1/4	14-1/4
1300-F-C	12-1/4	24-1/4	14-1/4	26-1/4
1300-F-D	24-1/4	24-1/4	26-1/4	26-1/4
1300-F-E	24-1/4	36-1/4	26-1/4	38-1/4
1300-F-F	24-1/4	48-1/4	26-1/4	50-1/4



SPECIAL SIZES, SHAPES AND ASSEMBLIES TO ORDER