

**DIFFUSERS WITH  
INTEGRAL MID-BASS  
ABSORPTION****DESCRIPTION AND SPECIFICATIONS**

MA200-2D and MA300-2D were developed in collaboration with musicians to integrate wide-range diffusion with bass absorption.

MA200-2D comprises 240 mm (9-7/16") square boxes of various lengths with AD40 diffusers closing the front end. The boxes are stacked to form an irregular face that extends the diffusion range of the AD40 to lower frequencies. This avoids narrow deep slots that tend to absorb rather than diffuse. In addition, the volumes of the boxes form broad-banded Helmholtz cavities to absorb troublesome mid-upper bass resonances.

MA300-2D works the same way as MA200-2D but is scaled up to 340 mm (13-3/8") square boxes and uses TP300 diffusers.

PC1200-AD20 comprises a polycylindrical shape covered with AD20 diffusion planks. The volume forms broad-banded Helmholtz cavities to absorb troublesome mid-upper bass resonances. The thickness of 250 mm (9-7/8") makes it more practical than the MA200-2D and MA300-2D.

Correct application and specification of these products requires acoustic engineering services.

**MA200-2D w/AD40**

Using MA200-2D boxes with a maximum depth of 1200 mm extends the useful diffusion range of AD40 (1,000 to 16,000 Hz) down as low as 150 Hz.

Standard Depth: 400mm (15-3/4")

Optional Depths: 300 to 1200mm (11-13/16" to 47-1/4")

Width/module: 240mm (9-7/16")

Height/module: 240mm (9-7/16")

Weight/module: varies

**MA300-2D w/TP300  
or GH120**

Using MA300-2D boxes with a maximum depth of 1200 mm extends the useful diffusion range of TP300 (800 to 16,000 Hz) down as low as 150 Hz.

Standard Depth: 500mm (19-11/16")

Optional Depths: 400 to 1200mm (15-3/4" to 47-1/4")

Width/module: 340mm (13-3/8")

Height/module: 340mm (13-3/8")