

## MGS • MGE

Metal Supply Grill • Metal Exhaust Grill



### MGE Series

#### Description

Fantech's MGE exhaust diffuser with lockable settings.

#### Function

The MGE is an exhaust diffuser for installation on ceiling or wall. It can also be used for supply air. The diffuser has a lockable central cone which is rotated to adjust the pressure and consequently the air volume.

#### Design

The MGE is manufactured from sheet steel with a white powder-coated finish (RAL 9010-80) and is available in the following diameters: 4", 5", 6" and 8".

#### Mounting

All sizes can be installed directly onto the duct.

#### Adjustment

The pressure is adjusted by rotating the valve cone.



### MGS Series

#### Description

The Fantech MGS circular supply diffuser. This diffuser has a 360° distribution pattern and has an adjustable gap.

#### Function

The MGS is a circular supply diffuser for ceiling installation. The MGS consists of an inlet cone and diffuser unit containing sound-absorbent material. The technical specifications of the diffuser unit give it a wide range of applications. By rotating diffuser unit, the throw and pressure drop can be adjusted steplessly.

#### Design

The MGS is manufactured from sheet steel with a white powder-coated finish (RAL 9010-30) and is available in the following diameters: 4", 5", 6" and 8".

#### How to use for exhaust air

This device can be used for exhaust air.

#### Mounting

The MGS is easy installation either into the mounting frame or directly onto the duct.

Air deflector for screening of direction up to 180 degree.

# Sound Data

Sound attenuation,  $\Delta L$  (dB)

Model	Mid-frequency band, Hz							
	63	125	250	500	1k	2k	4k	8k
MGE4	-	14	12	10	6	2	6	6
MGE5	-	12	11	8	5	3	3	5
MGE6	-	-	-	-	-	-	-	-
MGE8	-	7	6	4	3	3	4	7
MGS4	22	17	13	10	2	2	7	8
MGS5	18	16	12	8	3	3	7	8
MGS6	18	15	11	9	4	5	7	9
MGS8	16	13	9	7	5	5	8	8

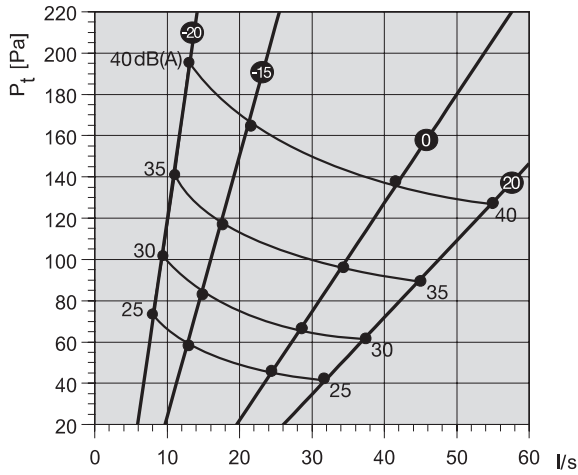
Sound power level,  $L_w$

Model	$L_w$ (dB) = $L_pA$ + $K_{ok}$ ( $L_pA$ = diagram $K_{ok}$ = table) correction factor $K_{ok}$							
	63	125	250	500	1k	2k	4k	8k
MGE4	8	2	-3	-2	-2	-1	-8	-15
MGE5	9	-2	-1	-1	-3	-1	-11	-20
MGE6	-	-	-	-	-	-	-	-
MGE8	7	1	-3	-1	2	-9	-17	-21
Tolerance	6	3	2	2	2	2	3	4
MGS4	19	8	6	1	-7	-15	-19	-21
MGS5	24	10	4	-2	-8	-15	-20	-19
MGS6	23	11	5	-2	-9	-14	-18	-23
MGS8	19	9	8	0	-7	-13	-17	-21
Tolerance	$\pm 6$	$\pm 5$	$\pm 2$	$\pm 2$	$\pm 2$	$\pm 2$	$\pm 2$	$\pm 3$

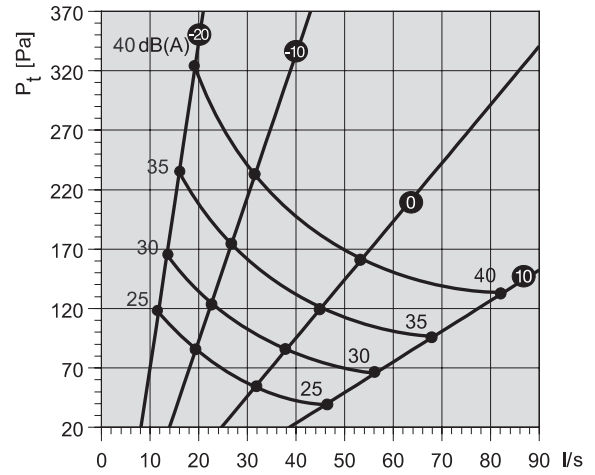
## Performance Data MGE Series

The diagram shows Air volume (l/s), total pressure (Pa) and sound pressure level [dB(A)]. The figures -20 to +10 indicate the air gap setting, i.e. the distance in mm from the central cone to the collar.

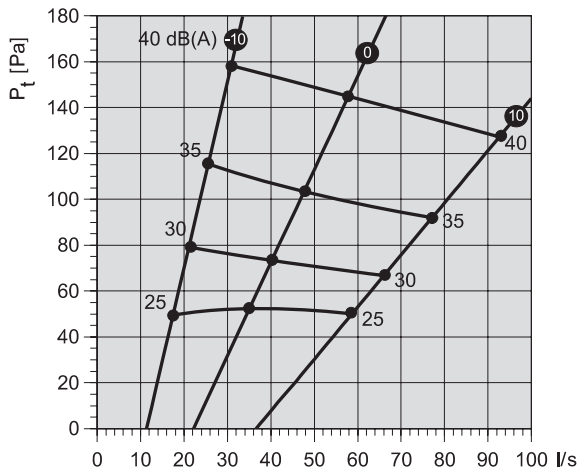
### MGE4



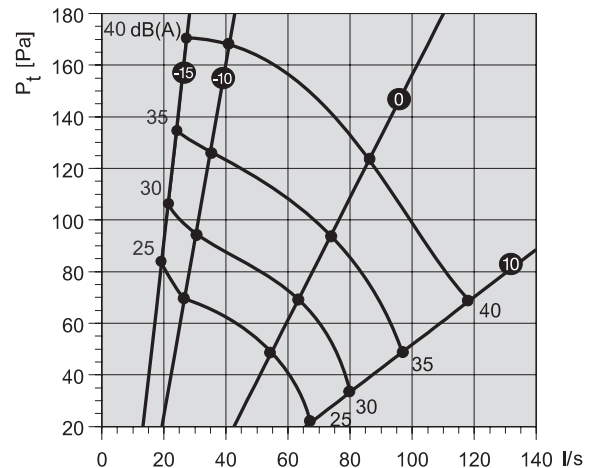
### MGE5



### MGE6



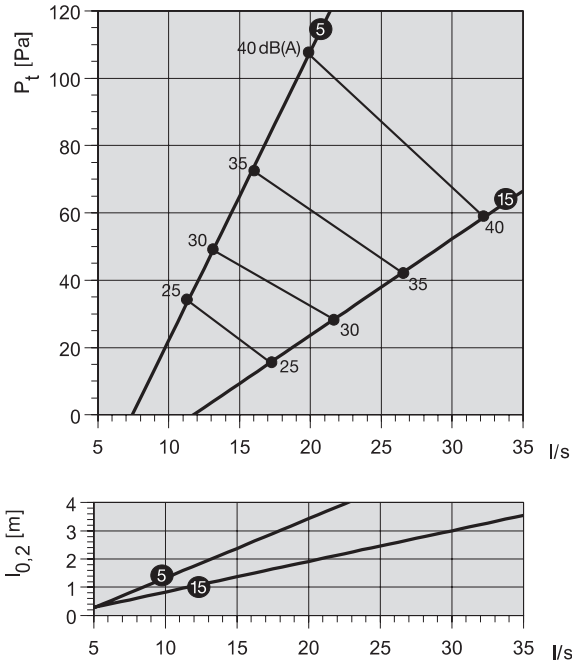
### MGE8



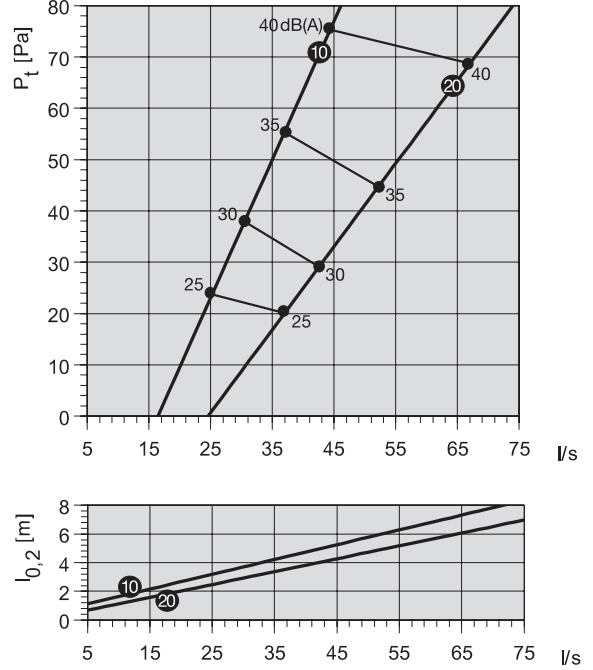
# Performance Data MGS Series

The diagram shows Air volume (l/s), total pressure (Pa), throw (l0,2), and sound pressure level [dB(A)] for air gaps measuring 10, 20, and 30 mm. There is a 15 mm air gap when the unit is shielded 180°, but the data for a 10 mm air gap still apply. The throw value, however, should be multiplied by 1,2.

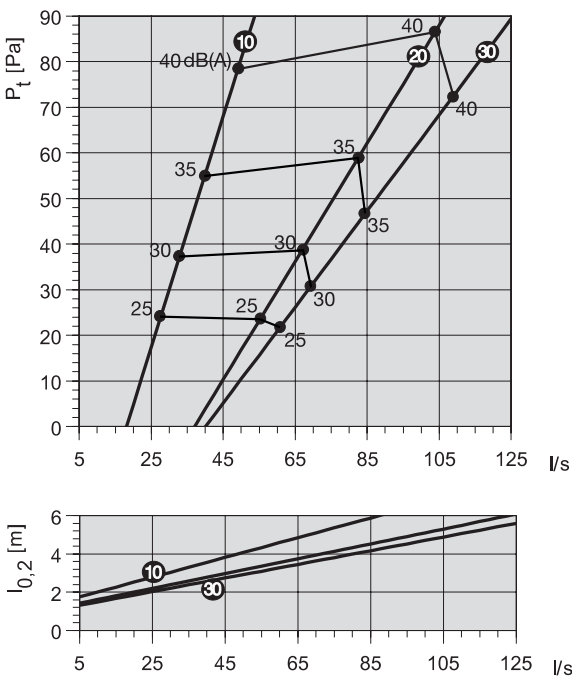
## MGS4



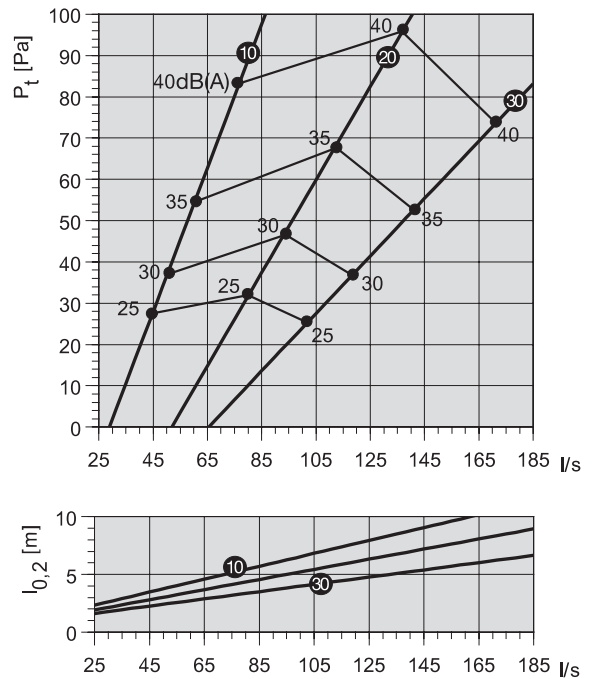
## MGS5



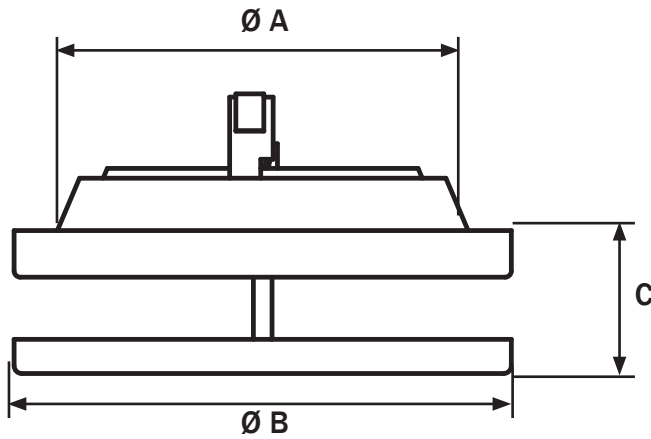
## MGS6



## MGS8

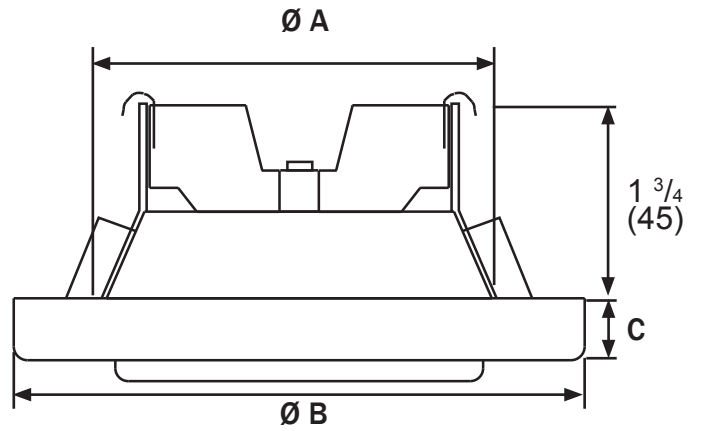


# Dimensions



Model	øA	øB	C
MGS 4	4 (102)	5 5/16 (135)	1- 2 7/32 (26-56)
MGS 5	5 (127)	6 5/16 (160)	1- 2 7/32 (26-56)
MGS 6	6 (152)	7 1/2 (191)	1- 2 7/32 (26-56)
MGS 4	8 (204)	9 3/8 (238)	1 1/8 - 2 5/16 (29-569)

Dimensions are in inches (mm).



Model	øA	øB	C
MGE 4	4 (102)	5 5/16 (135)	9/16 (15)
MGE 5	5 (127)	6 5/16 (160)	9/16 (15)
MGE 6	6 (152)	7 1/2 (191)	9/16 (15)
MGE 8	8 (204)	9 3/8 (238)	11/16 (18)

Dimensions are in inches (mm).

## Contacts

Submitted by: _____	Date: _____
Quantity: _____	Model: _____
Comments: _____	Project #: _____
Location: _____	
Architect: _____	
Engineer: _____	Contractor: _____

## Distributed by:

