

## PERFORATED FACE DIFFUSERS

### KP RANGE

**Description:**

- The KP type diffusers are designed to give an even distribution of air in 1,2,3 or 4 way pattern by simple adjusting the deflectors, hidden behind the hinged perforated face
- The supply and extract versions have the same external appearance and a high quality finish, which blend neatly into 600 x 600 suspended ceilings
- Cleaning the diffuser is made easy by the hinged, or screw fixed perforated face and demountable deflectors, while the frame design protects the surrounding ceiling from unsightly smudging
- Suitable for most applications:- Offices, restaurants, kitchens, etc
- Setting of the damper is achieved by opening the perforated face and turning the adjusting screw



Quality – Investment – Innovation

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**SKP – Supply Diffuser 600sq. 300ø neck**  
Radius of diffusion – M (FT)

NECK VELOCITY	M/S	2	3	4	5
	F.P.M.	400	600	800	1000
4 WAY	MIN-MAX	0.31-1.07	0.69-1.98	1.22-2.45	1.68-3.5
		1.0'-3.5'	2.25'-6.5'	4.0'-8.0'	5.5'-11.5'
3 WAY	MIN-MAX	0.31-0.76	0.45-1.5	0.69-1.98	1.22-2.24
	SHORT	1.0'-2.5'	1.5'-5.0'	2.25'-6.5'	4.0'-8.0'
3 WAY	MIN-MAX	0.36-1.22	0.99-3.05	1.53-3.5	2.2-3.96
	LONG	1.2'-4.0'	3.25'-10.0'	5.0'-11.5'	7.0'-13.0'
2 WAY	MIN-MAX	0.36-1.83	0.61-2.45	1.22-3.5	1.68-4.57
		1.2'-6.0'	2.0'-8.0'	4.0'-11.5'	5.5'-15.0'
1 WAY	MIN-MAX	0.38-2.45	1.83-3.5	3.2-5.49	4.6-7.9
		1.25'-8.0'	6.0'-11.5'	10.5'-18.0'	15.0'-26.0'
PRESSURE LOSS	PA	4.25	7.47	16.2	25.0
	"W.G.	0.017"	0.03"	0.065"	0.1"
NOISE LEVEL	dB	15	27	35	43

**EKP – Exhaust Diffuser 600sq. 460x460 neck**  
Neck velocity & pressure loss

NECK VELOCITY	M/S	2	4	6	8	10
	F.P.M.	400	800	1200	1600	2000
PRESSURE LOSS	PA	2	5	10	16	25
	"W.G.	0.008"	0.02"	0.04"	0.064"	0.1"
NOISE LEVEL	dB	—	—	20	32	43

**EKP – Exhaust Diffuser 600sq. 300ø neck**  
Neck velocity & pressure loss

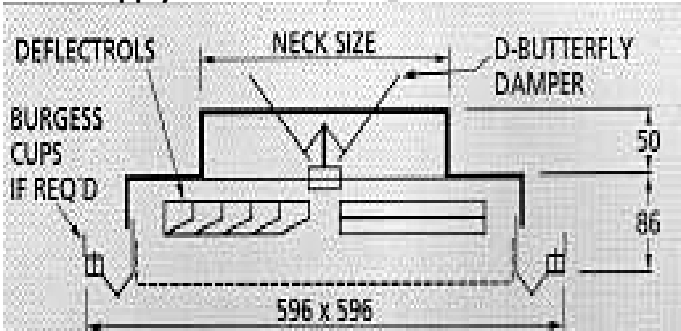
NECK VELOCITY	M/S	2	4	6	8	10
	F.P.M.	400	800	1200	1600	2000
PRESSURE LOSS	PA	3	10	15	20	30
	"W.G.	0.01"	0.04"	0.06"	0.08"	0.12"
NOISE LEVEL	dB	—	—	25	35	43

Min & Max radius of diffusion is measured at 0.75m/s & 0.3m/s terminal velocities, when mounted at a 3m ceiling height

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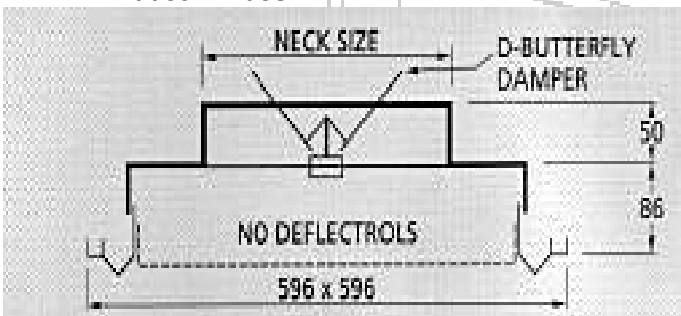
### KP RANGE

#### SKP – Supply Diffuser



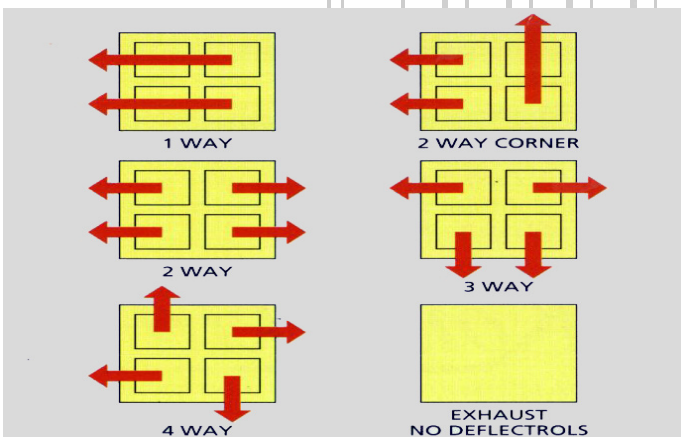
Available Neck Sizes - 150 $\phi$  to 350 $\phi$

#### EKP – Exhaust Diffuser

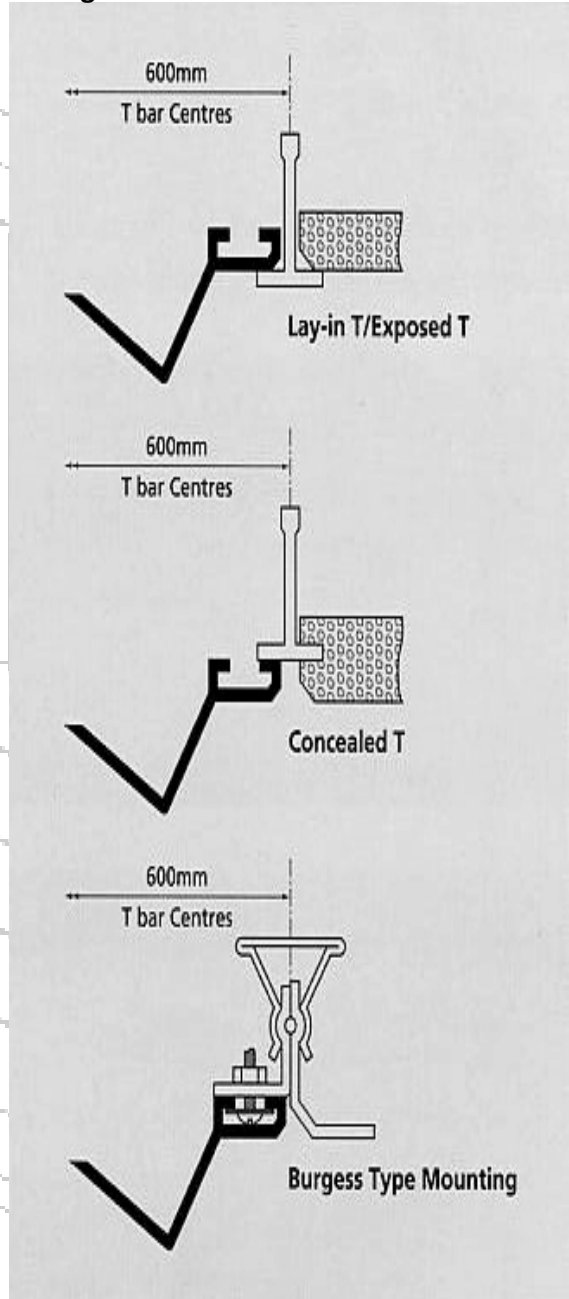


Available Neck Sizes – 460x460 & 200 $\phi$  to 450 $\phi$

#### Deflectrol Patterns



#### Fittings



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**Finish:**

- Gloss white as standard, but any BS colour can be supplied upon request

**Standard Sizes:**

- Diffusers are typically to suit 600mm and 300mm square ceiling grids.
- Non-standard sizes are available upon request

**Other Products:**

- A full range of complimentary grille products are available including:- Louvres, Faced diffusers, Circular diffusers, Egg-crate grilles and Double deflection grilles

