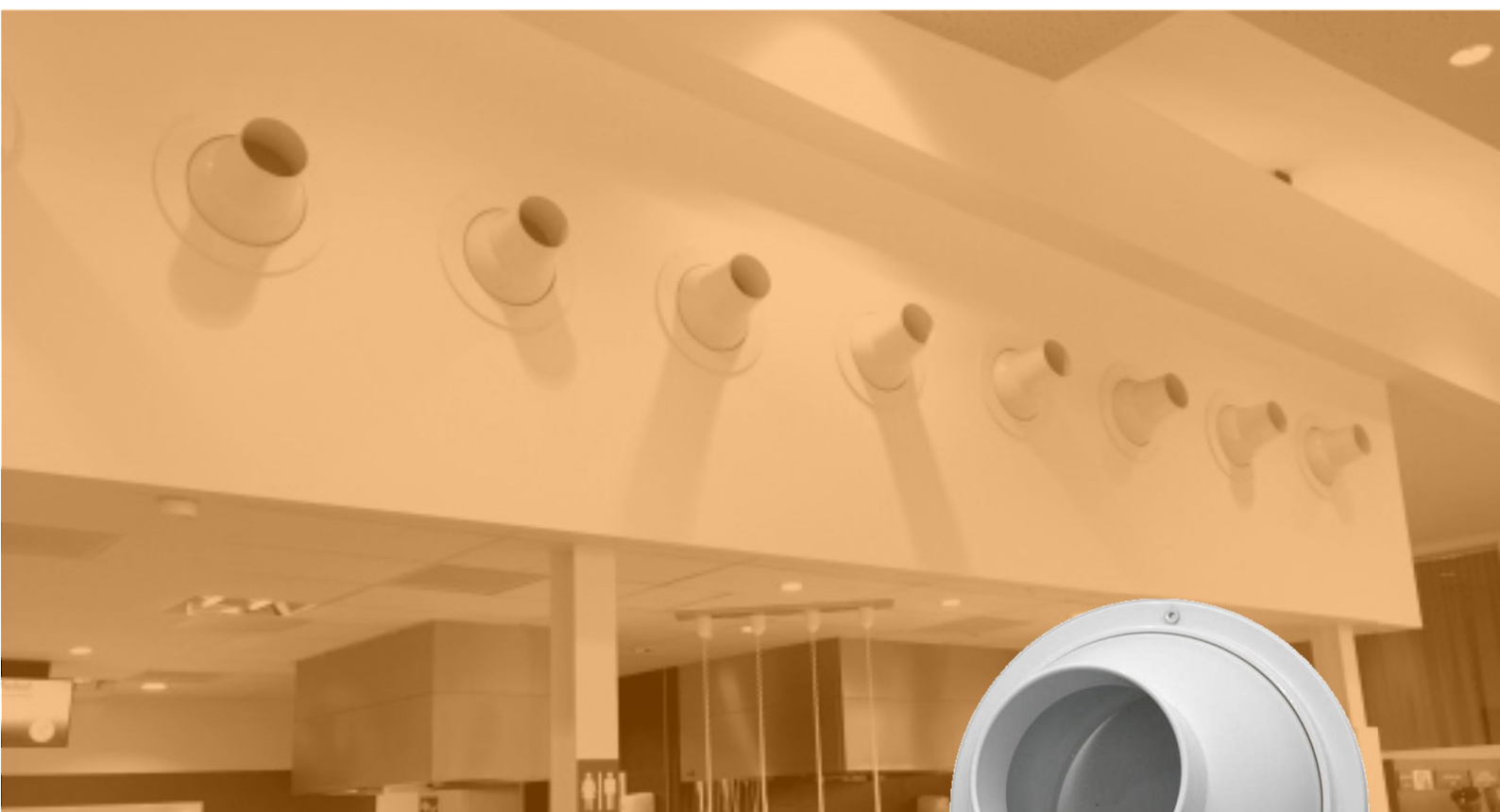
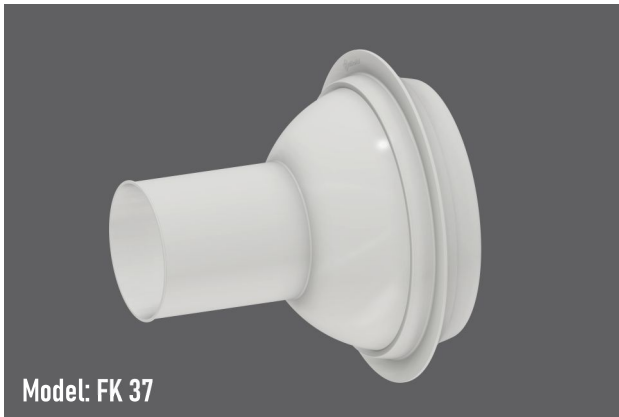


SPOT DIFFUSER



Model:
FK 37

SPOT DIFFUSER



TYPICAL APPLICATION

Spot diffuser gives optimum performance for supply air via ceiling diffuser is not feasible, for example shopping malls, large halls, assembly shops etc. The eye-ball and socket arrangement provide flexibility of setting the air jet to any desired angle within 40°.

Creative design provides excellent compatibility of aesthetic match as well as acoustic characters which are ideal for application in auditoriums, concert halls and conference room, etc

MATERIAL

- Inner and Outer cowl: high grade Aluminum spinning

FINISH

- Standard: white powder coat (optional RAL code)

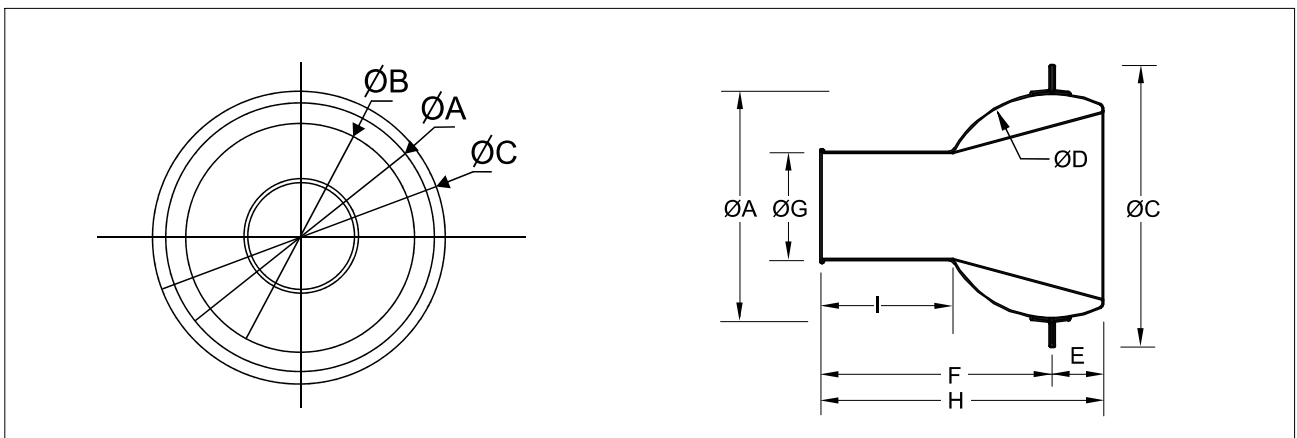
DIMENSIONS

- Optional (see table)

OUTSTANDING FEATURES

- Sturdy construction, weldless, boltless - LOW NOISE
- High aesthetic finishes, powder coat with life span up to 20 years.
- Light weight, easy installation

CONSTRUCTION



(mm)

SIZE	ØA	ØB	ØC	ØD	E	F	ØG	H	I	Duct opening	Max. rot. angle
FK37-200	230	200	250	203	45	120	100	165	40	208	42°
FK37-300	340	304	362	314	62	200	165	262	50	318	39°
FK37-400	450	410	470	420	92	247	225	340	60	425	40°

ORDERING CODE

FK 37- Ø - RAL

Standard diffuser Size Colour: RAL code

Example: FK 37-400 = White spot diffuser, neck size 400 (mm)

PERFORMANCE DATA

Model		FK 37-200: NOZZLE AREA (0.0078 m ²)						
Parameter		Throw (m) (for terminal velocity - m/s)				Ps (Pa)	Outlet vel. (m/s)	Noise NC
		0.25	0.50	0.75	1.00			
Air flow rate per diffuser (m ³ /h)	75	8.0	4.0	2.15	1.23	4	2.54	-
	155	12.0	6.0	3.6	1.80	15	5.08	-
	225	19.0	9.0	4.8	2.70	43	7.62	-
	295	26.0	11.8	6.0	3.35	68	10.16	22
	365	32.0	15.8	8.2	3.90	95	12.70	27
	435	38.0	19.0	9.1	5.20	160	15.24	33
	505	45.7	22.0	17.0	5.80	230	17.78	36
	575	49.0	24.0	11.6	6.00	300	20.32	40

Model		FK 37-300: NOZZLE AREA (0.0213 m ²)						
Parameter		Throw (m) (for terminal velocity - m/s)				Ps (Pa)	Outlet vel. (m/s)	Noise NC
		0.25	0.50	0.75	1.00			
Air flow rate per diffuser (m ³ /h)	200	10.0	5.2	2.8	1.8	3	2.54	-
	400	20.0	10.0	5.0	2.0	16	5.08	-
	610	30.0	15.0	8.0	4.0	45	7.62	-
	800	42.0	20.0	10.0	5.2	54	10.16	23
	975	49.0	25.0	17.8	6.7	107	12.70	28
	1165	57.0	30.0	15.0	7.5	150	15.24	32
	1370	67.0	34.0	17.0	9.0	230	17.78	36
	1560	76.0	39.6	21.4	10.3	300	20.32	40

Model		FK 37-400: NOZZLE AREA (0.0397 m ²)						
Parameter		Throw (m) (for terminal velocity - m/s)				Ps (Pa)	Outlet vel. (m/s)	Noise NC
		0.25	0.50	0.75	1.00			
Air flow rate per diffuser (m ³ /h)	390	14.0	7.6	3.6	2.1	3	2.54	-
	780	27.4	14.3	7.3	3.6	15	5.08	20
	1180	42.0	20.0	11.0	5.5	30	7.62	21
	1560	53.0	29.0	15.0	7.5	53	10.16	26
	1890	68.5	34.0	16.7	8.5	103	12.70	29
	2275	76.0	41.7	20.0	10.6	155	15.24	37
	2660	84.0	49.0	24.0	12.8	230	17.78	40
	3050	106.0	53.0	29.0	14.3	300	20.32	44

NOTE: dashes (-) are values < 20