



CONTROL THE AIR YOU BREATHE

PLASTIC DIFFUSERS

technical

T-Bar Register, Surface Mounted Register,
Side Wall Register

Europair Africa

a division of Performancair Products Africa (Pty) Ltd

tel +27 11 974 2425
fax +27 11 974 2443
web www.europair-africa.com
email: info@europair-africa.com

Cnr. Grader and Vuurslag
Spartan Ext. 3
Kempton Park
Johannesburg

T-BAR REGISTER

MODEL: JM-602 FIXED CORE
JM-602R REMOVABLE CORE

SPECIFICATIONS

Size: Outer frame either 595mm x 595mm metric
 603mm x 603mm imperial.

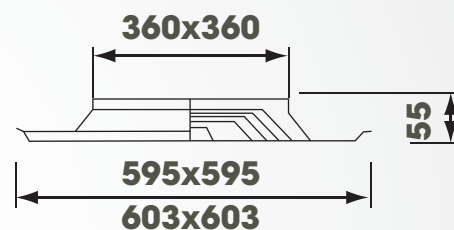
Neck 360mm x 360mm

Material: Plastic, either ABS or HIPS, can have U.V Stabilizing and with or without fire retardant. It is important to check the price before selecting materials for production.

Colour: Our colour is standard white however for large runs we are prepared to use other colours but there may be a cost penalty.

ADVANTAGES

- Cost effective
- Less condensation than metal grilles
- Do not rust
- Easy to clean
- Light weight
- Range of black plastic neck adaptors to suit.

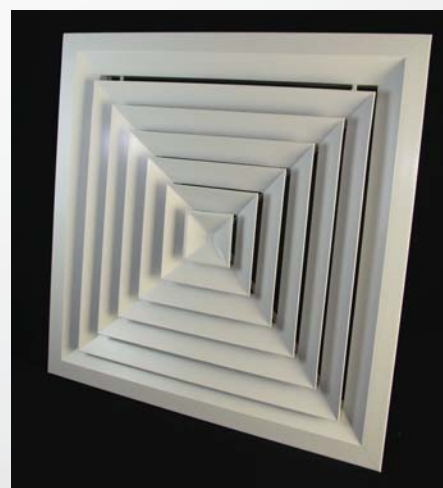


TECHNICAL DATA

Neck	I/S	N.C.	pa	Throw
150 φ	35	-	15	2.1
	45	7	20	2.4
	55	14	25	2.7
	65	20	35	3.0
	80	24	45	3.3
200 φ	75	-	15	2.7
	100	11	25	3.0
	125	18	35	3.4
	150	24	45	3.6
	175	28	50	3.9
250 φ	100	10	15	2.6
	150	14	25	3.6
	175	18	35	4.4
	200	26	45	4.8
	250	30	50	5.1

Neck	I/S	N.C.	pa	Throw
300 φ	125	22	15	2.8
	150	24	25	3.4
	225	29	20	4.4
	270	33	35	4.9
	315	39	50	5.3
350 φ	210	21	15	3.3
	260	25	25	3.6
	345	30	35	4.6
	420	34	45	5.2
	490	39	55	5.5

Black Plastic Neck Adaptors To Suit The Above Models	
Neck Adaptor	Size
A06	150dia – 360mm x 360mm
A08	200dia – 360mm x 360mm
A10	250dia – 360mm x 360mm
A12	300dia – 360mm x 360mm
A14	350dia – 360mm x 360mm



T-BAR REGISTER

**MODEL: MC-24 FIXED BLADES
MC-24A ADJUSTABLE BLADES**

SPECIFICATIONS

Size: Outer frame either 595mm x 595mm metric
603mm x 603mm imperial.

Neck 500mm x 500mm

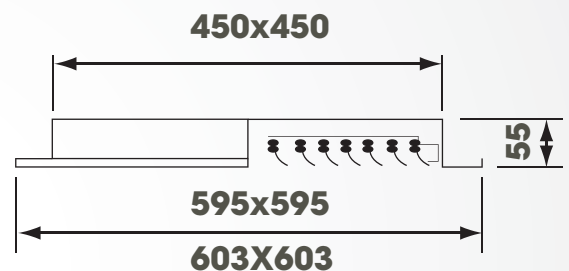
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Colour: Our colour is standard white however for large runs we are prepared to use other colours but there may be a cost penalty.



ADVANTAGES

- Cost effective
- Less condensation than metal grilles
- Do not rust
- Easy to clean
- Light weight



TECHNICAL DATA

I/S	NR	pa	Throw/1 Way	Throw/2 Way	Throw/3 Way
100	22	0	1.0	0.8	0.5
150	22	0	2.0	1.0	1.0
200	22	1	3.3	2.4	1.8
250	24	2	3.6	3.0	2.1
300	26	3	3.7	3.2	2.2
350	28	4	3.9	3.4	2.3
400	30	5	4.3	3.6	2.4
450	32	7	4.4	3.8	2.6
500	34	9	4.5	3.9	2.8
550	36	11	4.6	4.1	2.8
600	36	12	4.8	4.2	2.9
650	37	14	4.9	4.3	2.9
700	37	17	5.0	4.3	3.0
750	38	19	5.2	4.4	3.0
800	38	21	5.3	4.4	3.2
850	40	23	5.4	4.5	3.2
900	42	26	5.5	4.5	3.3
950	44	28	5.6	4.6	3.3
1000	44	31	5.7	4.6	3.4
1050	46	34	5.8	4.7	3.4
1100	48	37	5.8	4.7	3.5
1150	50	40	5.9	4.8	3.6
1200	50	45	5.9	4.8	3.6

SURFACE MOUNTED REGISTER

MODEL: MC-300 ADJUSTABLE BLADES
MC-370 ADJUSTABLE BLADES

SPECIFICATIONS

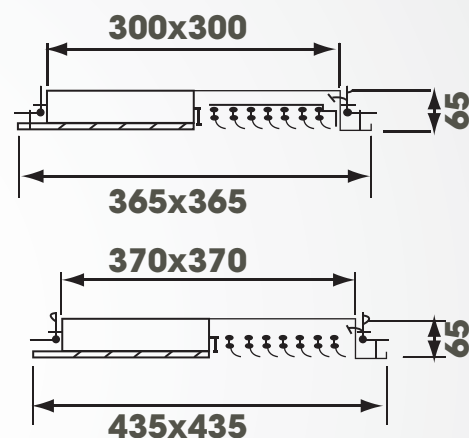
Material: Plastic, either ABS or HIPS, can have U.V.Stabilizing and with or without fire retardant. It is important to check the price before selecting materials for production.

Colour: Our colour is standard white however for large runs we are prepared to use other colours but there may be a cost penalty.



ADVANTAGES

- Cost effective
- Less condensation than metal grilles
- Do not rust
- Easy to clean
- Light weight
- Range of black plastic neck adaptors to suit..



TECHNICAL DATA

MC-300 ADJUSTABLE BLADES SET AT 45°

I/S	NR	pa	Throw/1 Way	Throw/2 Way	Throw/4 Way
75	-	1	2.4	2.0	1.4
150	17	4	3.6	3.0	2.2
200	23	8	4.6	3.8	2.7
250	35	15	5.3	4.4	3.2
300	41	23	5.8	5.0	3.5
350	46	33	6.0	5.2	3.5
400	49	44	6.2	5.3	3.7
450	53	54	6.4	5.5	3.8

MC-370 ADJUSTABLE BLADES SET AT 45°

I/S	NR	pa	Throw/1 Way	Throw/2 Way	Throw/4 Way
150	-	2.5	1.8	1.5	1.0
200	21	5.0	3.4	2.8	2.0
250	27	9.0	4.3	3.6	2.6
300	33	16	4.6	4.0	2.9
350	38	22	5.0	4.2	3.0
400	45	28	5.3	4.4	3.2
450	51	36	5.4	4.5	3.4
500	53	44	5.5	4.7	3.5
550	55	50	5.7	4.8	3.6

SURFACE MOUNTED REGISTER

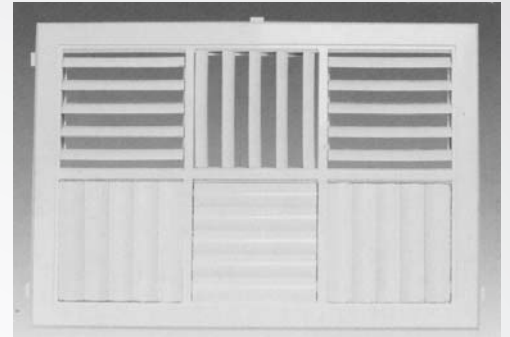
MODEL: MC-555 ADJUSTABLE BLADES

SPECIFICATIONS

Size: Outer frame 620mm x 435mm
Neck 555mm x 370mm

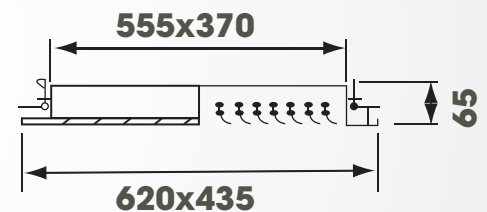
Material: Plastic, either ABS or HIPS, can have U.V. Stabilizing and with or without fire retardant.
It is important to check the price before selecting materials for production.

Colour: Our colour is standard white however for large runs we are prepared to use other colours but there may be a cost penalty.



ADVANTAGES

- Cost effective
- Less condensation than metal grilles
- Do not rust
- Easy to clean
- Light weight
- Range of black plastic neck adaptors to suit.

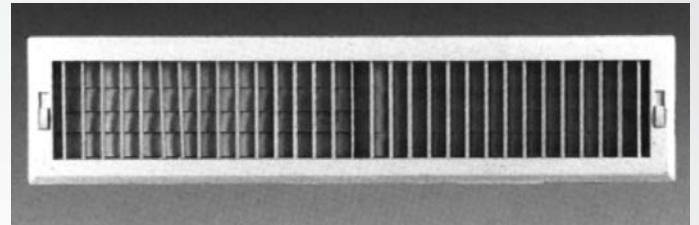


TECHNICAL DATA ADJUSTABLE BLADES SET AT 45°

I/S	NR	pa	Throw 1/Way	Throw 2/Way
150	-	2	1.8	1.5
200	-	4	3.4	2.8
250	21	7	4.3	3.6
300	27	11	4.6	4.2
350	33	16	5.0	4.4
400	39	22	5.3	4.5
450	46	28	5.4	4.7
500	47	36	5.6	4.8
550	49	44	5.8	4.9
600	50	54	6.0	5.0
650	52	64	6.0	5.1

SIDE WALL REGISTER

MODEL: **JM-608 ADJUSTABLE BLADES**
 JM-6060 ADJUSTABLE BLADES
 JM-6080 ADJUSTABLE BLADES



SPECIFICATIONS

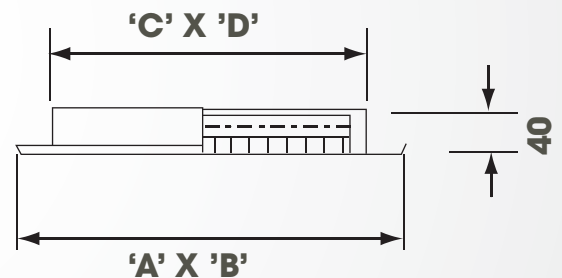
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It is important to check the price before selecting materials for production.

Colour: Our colour is standard white however for large runs we are prepared to use other colours but there may be a cost penalty.

ADVANTAGES

- Cost effective
- Less condensation than metal grilles
- Do not rust
- Easy to clean
- Light weight



TECHNICAL DATA

Model	Dim A	Dim B	Dim C	Dim D
JM-608	740 mm	170 mm	700 mm	120 mm
JM-6060	630 mm	170 mm	600 mm	120 mm
JM-6080	830 mm	170 mm	800 mm	120 mm

MULTIROUND JET DIFFUSER

TECHNICAL DATA

Description	Velocity (m/s)	Volume (m ³ /s)	NC
150mm Plastic	2	0.030	26
(Cold Air)	3	0.046	30
	4	0.062	36
MJ-06	5	0.083	43
	6	0.107	49

Description	Velocity (m/s)	Volume (m ³ /s)	NC
200mm Plastic	2	0.058	27
(Cold Air)	3	0.086	30
	4	0.113	36
MJ-08	5	0.140	44
	6	0.180	50

Description	Velocity (m/s)	Volume (m ³ /s)	NC
250mm Plastic	2	0.089	24
(Cold Air)	3	0.136	26
	4	0.187	33
MJ-10	5	0.238	42
	6	0.273	49

Description	Velocity (m/s)	Volume (m ³ /s)	NC
300mm Plastic	2	0.131	24
(Cold Air)	3	0.200	29
	4	0.277	33
MJ-06	5	0.353	36
	6	0.416	43
	7	0.490	47



MULTI ROUND CONE DIFFUSER

TECHNICAL DATA

Description	Velocity (m/s)	Volume (m ³ /s)	NC
150mm Plastic	2	0.023	28
(Cold Air)	3	0.030	30
	4	0.043	36
MC-06	5	0.052	42
	6	0.081	54

Description	Velocity (m/s)	Volume (m ³ /s)	NC
200mm Plastic	2	0.042	29
(Cold Air)	3	0.059	33
	4	0.077	39
MC-08	5	0.111	44
	6	0.140	48

Description	Velocity (m/s)	Volume (m ³ /s)	NC
250mm Plastic	2	0.060	25
(Cold Air)	3	0.100	29
	4	0.143	34
MC-10	5	0.197	43
	6	0.241	51

Description	Velocity (m/s)	Volume (m ³ /s)	NC
300mm Plastic	2	0.120	25
(Cold Air)	3	0.180	29
	4	0.252	35
MC-12	5	0.320	39
	6	0.415	45

