

Hotbox Mistraal

Air Circulation Fans



Mistraal 5



Mistraal 24

High quality air circulation fans to optimise plant growth in your greenhouse or grow room:

Air circulation improves crop response by aiding transpiration and controlling relative humidity. Our UK manufactured air circulation fans are a favourite amongst many growers in the UK and Europe, from the professional commercial growers to the hobbyist.

- Help prevent botrytis and mildew
- Improve heat distribution and CO2 take-up
- Reduce condensation
- Remove temperature gradients

Manufactured from robust stainless steel, there are two Mistraal air circulation fans to choose from. With sealed 'oiled for life' motors to IP34 (Mistraal 5) and IP54 (Mistraal 24), they are designed for maintenance free, continuous running.

Mistraal 5: 900m³/h suitable for areas up to 100m²

Mistraal 24: 5500m³/h suitable for areas up to 500m²

Technical Specifications

	Mistraal 5	Mistraal 24
Air Movement	900m ³ /h 500cfm	5365m ³ /h 3157cfm
Voltage	220/240V	220/240V
Current	0.4amp	1.15amp
Watts	85 W/hr	250 W/hr
Fan Speed	1275rpm	1350rpm
Weight	6kg	14.2kg
Dimensions mm	500 mm x 265 mm dia (Mistraal 5) 595mm x 465 mm dia (Mistraal 24)	
Certification	CE / ROHS	

Protected by Hotbox's 12 months warranty.



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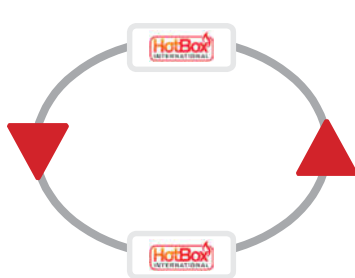
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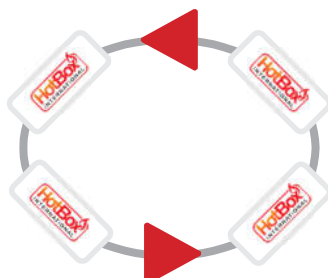
Air Circulation Fans

Hotbox Mistraal - Circulation



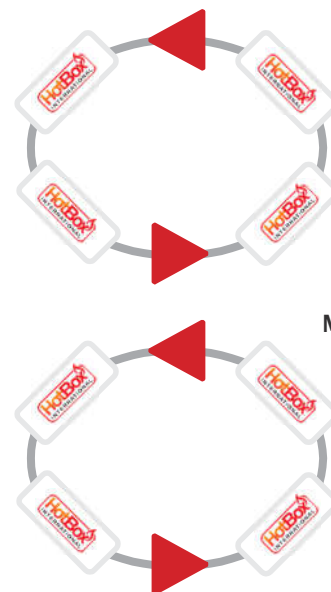
Small Area

Mistraal 5 < 100m²



Large Area

Mistraal 24 100 to 500m²



Multi-bay

Circulation Benefits

Circulation is the key to good air movement in greenhouses. Hang your Mistraal fans so they complete a path of air circulation. Each fan will naturally create an area of high pressure in front of it, and an area of low pressure behind.

The diagram above shows how this effect can be used to create efficient circulation. The air is passed from fan to fan and so on around the greenhouse. The rate of photosynthesis can be increased by air movement. Plants absorb CO₂ through the leaf surface.

Air movement ensures a continuous supply of fresh air to this leaf surface which can increase the photosynthetic rate by up to 23%. Heat distribution will also be improved by good air movement, and fungal diseases such as botrytis can be reduced considerably.



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