



Frequently Asked Questions (FAQ) – Mister

1. Where is the AOS mister manufactured?

The AOS mister is manufactured in AOS Factory in Sydney Australia

2. What sizes does AOS mister manufactured in?

3 models are available

MIST TEC 2500 (300 – 600 L/s)

MIST TEC 3000 (600 L/s – 1100 L/s)

MIST TEC 4000 (1100 L/s – 1500 L/s)

Over 1500 L/s custom designed and engineered.

3. What is the static pressure of the AOS mister?

130 Pa

4. Can the AOS mister be exhausted back into common ductwork?

Yes, the AOS mister allows you to exhaust back into common ductwork. The AOS mister produces a constant water spray mist which will ensure live sparks and embers don't progress along the ductwork and they are extinguished before presenting a fire risk of igniting a fire. The AOS mister can be considered for alternative solution to AS 1668 and performance solution.

5. What cooking applications are the mister utilised for?

Charcoal and solid fuel cooking applications where there are high temperatures and where the cooking produces sparks and embers which can ignite the kitchen exhaust ductwork and it also cools ductwork temperature and reduces soot and ash build up in the ductwork.

6. What is the water consumption of the AOS mister?

Water consumption 1.1 Litres per minute

7. Is the AOS mister certified?

AOS mister is independently certified by Global Mark Pty Ltd. Yearly audits are undertaken and must adhere to strict guidelines and processes.

8. Is side access panel available on the AOS mister?

Yes, side access is available if the top access panel is impeded. AOS must be notified so manufacturing can be altered. Top panel access panel for service and maintenance is standard.

9. How does the AOS mister work?

The AOS mister is designed for the removal of sparks and embers. It acts as a spark arrestor due to constant water spray and mist embers and sparks are washed away to the drainage system.

10. Does the AOS mister cool down ductwork temperature?

Yes, due to constant water spray inside the unit and on the outlet side of the mister the temperature will drop down to 35 degrees Celsius.

11. What happens if the wrong wet scrubber section is selected and installed?

The AOS mister wont work properly to extinguish sparks and embers and water will carry through the ductwork and water leaks will occur.

12. Must the stainless steel safety overflow tray be installed?

Yes the stainless steel tray must be installed at all times and if there are any water failures or water leaks the safety tray will captured.

13. What is the AOS mister constructed from?

Constructed from 1.2 mm stainless steel fully welded

14. Why does the AOS mister integrate a water pressure pump?

The mister incorporates a Grundfos pressure pump 1 – 10 bar this is because you can't rely on low mains pressure and also due to water fluctuations in the system. Due to VSD control on the water pump it allows you to control bar pressure of 1 – 10.

15. Is the mister electrical certified?

Compliance marks are identified on the water pump which indicates electrical safety compliance.

16. Should the AOS mister be electrically interlocked?

The AOS mister should be electrically interlocked with the kitchen exhaust fan so it turns on at the same time.

17. How should the ductwork connections be connected?

The inlet and outlet stainless steel transitions connections are provided for every AOS mister and they should be sealed properly around the joints or flanges for any condensation or water leaks.

18. Is the AOS mister factory commissioned and tested before it leaves the factory.

Yes, the AOS mister is factory commissioned and tested before it leaves the factory it also is pressure tested for any leaking pipework or leak detection.

19. Why is the AOS mister over engineered?

Allowances and safety factors have been applied in the engineering of the mister to compensate for uncertainty of the design process, better designed systems are over engineered for the uncertainty in the design process.

20. Remote pump control?

Optional Grundfos Go controls every aspect of pump performance it allows live data feed allowing you to monitor duty points, power consumption, speed and temperature via Bluetooth and infrared.

Grundfos Go is a mobile is the most comprehensive mobile app for mobile pump control and pump selection.

21. Does the water pressure pump have dry running protection?

Yes, all dry running protection available in Grundfos water pressure pump to prevent low water or pressure event.