

Spraying Equipment Selection

	Backpack & compression sprayers	Air fog gun	Motorised Nebuliser	Electric fogger
Drop size	100 microns plus	20-30 microns	10-40 microns	29-63 microns
Spray reach	Poor 500mm max.	Average Up to 5 m	Excellent Up to 12 m vertically and 18 m horizontally	Good 8 m vertically 11 m horizontally
Coating quality	Average Patchy coating may require secondary wiping.	Good Generally good coverage.	Good But might be patchy of very low volume at extremes of range.	Good
Wetting level	High The surfaces will experience wetting. With low volume nozzles this can dry quickly but a secondary drying process may be needed.	Low - Average With low flow rates there will be no significant wetting. Higher flows may cause slight dampness.	Low – Average With low flow rates there will be no significant wetting. Higher flows may cause slight dampness.	Low – Average With low flow rates there will be no significant wetting. Higher flows may cause slight dampness.
Complexity and cost of use	Very low Simple devices that require no power source.	Low No moving parts, no power source (other than the air line).	Average Quite heavy equipment. Requires some training. Motorised unit requires fuel and some maintenance.	Average Requires power supply. Requires some operator training. Require good quality PPE.
Waiting time between re-entry by non PPE wearers	Very low The fluid settles out of the air within seconds.	Average – Long The damp fog will settle out within 30 minutes. Good ventilation will reduce the time.	Average The high distribution length will help disperse the fog but in enclosed area will take 30 minutes to settle.	High May take over an hour to settle out completely. Good ventilation will help reduce this.
PPE required by operator	Basic Mask and protective clothing.	Average Good quality activated carbon mask, eye protection and protective clothing.	Average Good quality activated carbon mask, eye protection and protective clothing.	High Good quality activated carbon mask, eye protection and protective clothing.
Recommended applications	Gyms, salons, floors, public transport, walls & other areas that can tolerate wetting.	Warehouses and industrial sites with a compressed air supply.	Outdoors areas large industrial units and warehouses.	Offices, public transport, any areas where wetting is a big concern and quick re-entry by the public is not required.

**Backpack
Sprayer**

Backpack
sprayer
for cleaning
and
disinfecting

LVF

Low
volume
compact
fogger

**Power
Fogger**

Motorised
power
nebuliser
for
disinfecting

Electric Fogger

Electric
disinfectant
ULV
cold
fogger