

△ Operation

1. Safety Distance

Definition and Instructions

Safety distance for uFlamer divided into two parts safety radius around machine (a) and safety distance at firing direction (b). No person and flammable materials are allowed to stay inside the safety isolation zone when flamer was armed.

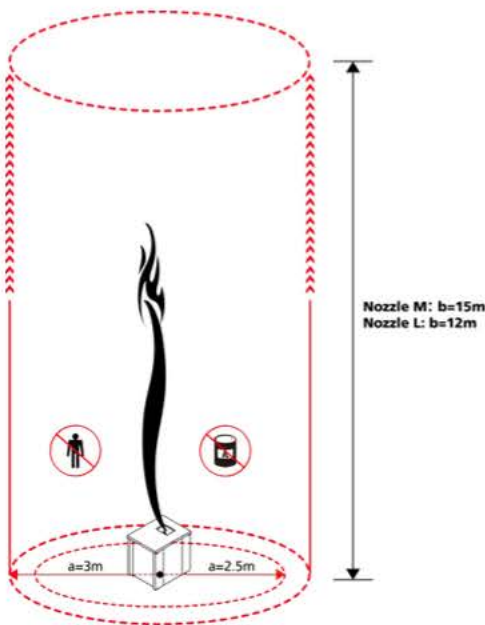
The safety radius around machine depends on the firing height (nozzle size), with a radius from 2.5m to 3m.

For safety distance at firing direction equals to maximum firing height * 1.5.

Nozzle Type	Max. Flame Height	Safety Radius around uFlamer (a)	Safety Distance at Firing Direction (b)
SFSMA002 Nozzle M	10m	3m	15m
SFSMA003 Nozzle L	8m	2.5m	12m

The uFlamer safety isolation zone (show as below) is a cylindrical three-dimensional space with Safety radius around machine (a) and Height of b. Unauthorized persons and objects are strictly prohibited from entering.

For angled installation, the safety distance both around machine and firing direction should shift accordingly.



Safety distance in windy environment

The safety isolation zone radius (a) and safety distance of firing direction (b) increase with wind direction and wind speed (v, m/s). The safety distance in windy conditions can be calculated as below:

For Nozzle M: $a = 3 + v$; $b = 15 + v$

For Nozzle L: $a = 2.5 + v$; $b = 12 + v$

For example when the wind speed is 3m/s, we use the Nozzle M on uFlamer, then the safety isolation zone radius should be 6m, safety distance of firing direction is 18m.

When the wind speed $\geq 8\text{m/s}$ (wind force ≥ 5), please use it with caution. When wind speed $\geq 17\text{m/s}$ (wind force ≥ 8), please stop use uFlamer.