

INSTALLATION OF SPRAY NOZZLE UGN-820

Spray nozzle UGN-820 is a jam-proof vortex type nozzle, with a large outlet hole (19mm diameter). It generates a 130° hollow cone jet.

Water exits at right-angle to the inlet coupling. So the nozzle must be mounted in the center of the duct in order to spray in the same direction as the air flow, towards the silo.

Usually it is sufficient to mount the nozzle to a small length of 3/4" piping which is fixed to the topside of the duct, where it exits and connects to the solenoid valve (and to the second nozzle piping in large systems).

Avoid mounting on the bottom side of the horizontal duct, particularly if the flow switch PAC-846 is present ("complete" systems).

In "small" ducts (less than 500mm diameter) usually only one spray nozzle is mounted.

In "large" ducts (over 500mm diameter) two spray nozzles are parallel mounted, connected to the same flow switch and solenoid valve.

We recommend to install the nozzle at the distance specified on page MASP 13 downstream from the spark detectors that control the extinguishing operation.

