



Quick Guide

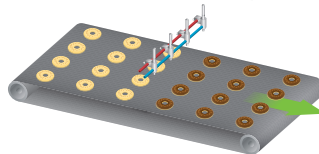
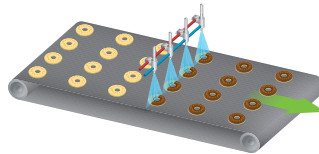
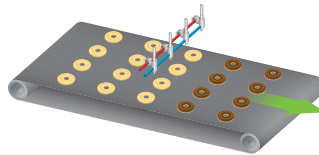
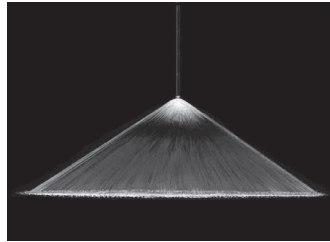
Flat fan nozzles

▶ WHAT ARE THEY?

The flat fan nozzle is one of the most commonly used spray nozzles. It is characterised by the fact that it produces a line of spray rather than a circle or cone. For most applications, flat fans are used for fluid distribution purposes rather than atomisation. For this reason, they tend to produce sprays with relatively coarse droplets although fine sprays can be achieved at higher pressures.

▶ APPLICATIONS

Flat fan nozzles have many applications but the most common are coating, moistening, cleaning and lubrication. Flat fans are commonly used on conveyor systems where they are combined into spray bars to deliver an even amount of fluid to whatever is moving along the conveyor below.



▶ VARIANTS

There are a number of fan nozzle variants:

- the **deflector nozzle** uses a deflector plate to direct the spray into a hard-hitting narrow fan that is useful for cleaning and other applications that require impact.
- Another variant is to **add air actuation** to the fan nozzles. This allows the spray to be cycled on and off very quickly making such systems suitable for precision spraying.

The **Spray Nozzle People** have a wide range of flat fan nozzles and decades of experience in specifying spray nozzles for all industries.

Please call to discuss your application.