

Vestas industrial cooling - Spray Nozzles

To ensure optimum cooling, the cooling water must be distributed evenly over the whole cross-section of the tower before running through the cooling fill.

In Vestas industrial coolings towers, distribution is performed by nozzles.

The nozzles incorporate a "turbulator" imparts rotary motion to the water. Some of the water is flung radially outwards through the mouth of the nozzle and in this way the required distribution is ensured.

Nozzles are supplied in several different sizes, depending on the quantity of water involved.

The pressure drop across the nozzles is from 15 to 75 kPa (0.15 - 0.75 bar).



Product	Nozzle ABS P20.18	Nozzle ABS P20.22	Nozzle ABS P20.28	Nozzle ABS P20.34
Material	Lightweight ABS plastic	Lightweight ABS plastic	Lightweight ABS plastic	Lightweight ABS plastic
Height [mm]	127	127	127	127
Width (at base) [mm]	76	76	76	76
Dry Weight [kg]	0,16	0,16	0,16	0,16
Service temperature up to	82°C	82°C	82°C	82°C
Spray angle	120° - depending on the water pressure	120° - depending on the water pressure	120° - depending on the water pressure	120° - depending on the water pressure