



Company Profile



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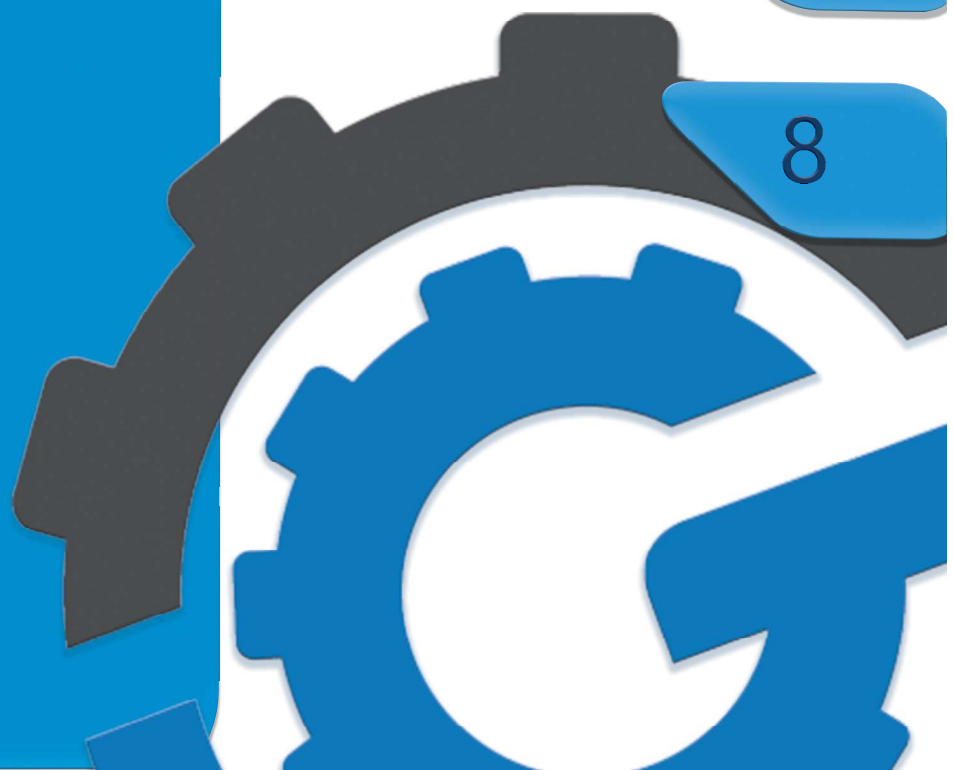
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FLAT FAN NOZZLES

Typically, flat fan nozzles operate based on the pressure principle design, where liquid is fed under pressure into a chamber and then expelled through an orifice. The specific spray patterns, flow rates, and spray angles are a result of the precise design of the pressure chamber and the orifice profile.

Additionally, some flat fan nozzles utilize the deflection design, where the liquid is directed to deflect off a specially engineered surface to create the desired spray effect.

Standard Angle Flat Fan Nozzle



High Pressure Flat Fan Nozzle



K Wide Angle Flat Fan Nozzle



V Narrow Angle Flat Fan Nozzle



F Sun Dovetail Flat Fan Nozzle



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FULL CONE NOZZLES

Full cone or solid cone spray pattern nozzles are popular for cooling applications but are diverse and can be adapted for all kinds of uses. We offer a variety of spray angles from 30° to 120° manufactured in brass, stainless steel and some plastics (depending on the nozzle). They are available in various thread sizes, flange fittings and tip arrangements.

Standard Angle Full Cone Nozzle



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Wide Angle Full Cone Nozzle



Narrow Angle Full Cone Nozzle



SQ Square Full Cone Nozzle



FULL CONE NOZZLES (Continued)

CGA Angle-Type Full Cone Nozzle



SMP Full Cone Nozzle



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ZSTWB Full Cone Nozzle



Engineers tasked with selecting a nozzle for a specific application should be well-versed in these types to make an informed choice that aligns with their particular needs. However, if there's any uncertainty or additional guidance is needed, we at Kuagiza are more than ready to help. Feel free to reach out for assistance, and we'll be delighted to provide the support you require.

HOLLOW CONE NOZZLES

These nozzles, often known as tangential nozzles, operate on a unique principle where liquid enters the nozzle chamber at a right angle. This action creates centrifugal force, concentrating the droplets along the outer edge of the cone. This process results in the formation of a hollow cone spray pattern, a distinctive feature of these tangential nozzles.

Angle-Type Hollow Cone Nozzle



BD Straight Line Hollow Cone Nozzle



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ATOMISER NOZZLES

Certain industrial operations necessitate a fine mist that cannot always be produced solely by hydraulic nozzles, particularly in scenarios where the necessary high pressure is not accessible. Atomizers are employed in a variety of contexts, including coating processes, humidification systems, disinfection/sanitizing procedures, and dust suppression, among others, to meet these specific needs.

Pressure-fed Flat Fan Atomising Nozzle



Pressure-fed Round Air Atomising Nozzle



Wide Angle Round Air Atomising Nozzle



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ATOMISER NOZZLES (Continued)

⚙ Siphon-fed Round Air Atomising Nozzle



⚙ External Mix Flat Air Atomising Nozzle



⚙ ADG Ultrasonic Air Atomising Nozzle



⚙ CBIMV Mini Type Air Atomising Nozzle



PRE-TREATMENT NOZZLES

Designed for industrial surface finishing, particularly for preparing metals and plastics before entering the paint shop, our versatile range of spray nozzles, clamp assemblies, and pipe fittings offers interchangeability and diversity. These components find additional uses in various applications, including dust suppression, showcasing their adaptability beyond their primary function.

Various pre-treatment nozzles available on request.



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