

IKEUCHI's

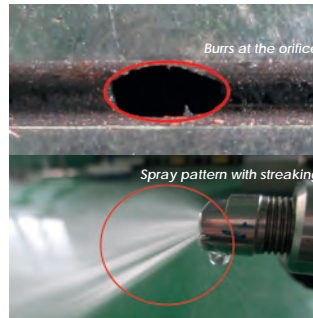
Spray Nozzle Solution to improve washing

Water-saving spray nozzle

Do you face these problems with your spray nozzles?

Issues when using unreliable quality nozzles

- ✗ Large amount of water consumption
- ✗ Insufficient coverage for washing
- ✗ Increase maintenance due to low wear resistance
- ✗ Higher cost (initial and running)



Factors for inconsistent performance

Each nozzle has different performance values than described in the catalog

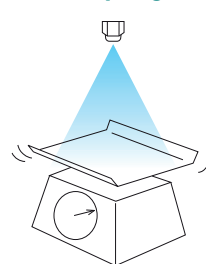
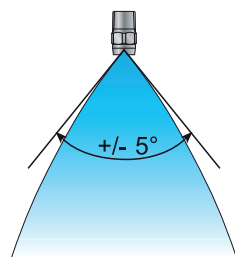
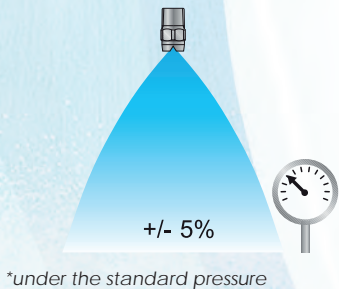
- ✗ Inconsistent **spray capacity**
- ✗ Irregular **spray angle**
- ✗ Uneven **spray impact**

Due to cheap production quality (burr, imprecise tooling)

How to determine a good performance for a spray nozzle?

A nozzle with good performance will follow the characteristics as described in the catalog. Each nozzle is designed to provide the same performance within one serie. Thus, there is no variation in quality between nozzles, compared to low quality ones.

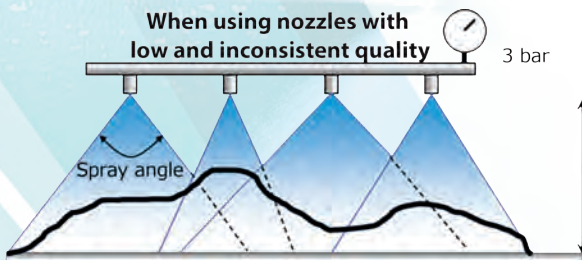
Guaranted spray capacity* Measured spray angle* Consistent spray impact* Outcome in this case



- Effective washing with a minimum number of nozzles
- Reduced cost
- Water-saving
- Longer lifetime



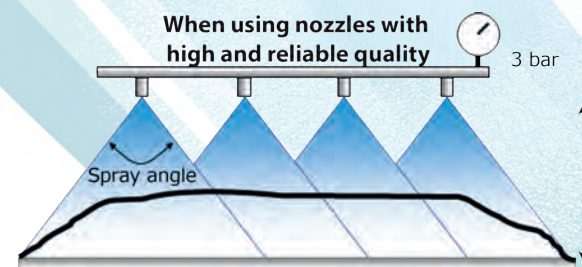
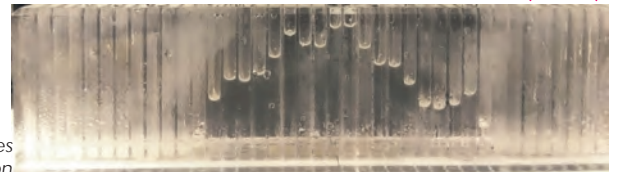
How to distinguish a good nozzle's performance?



- ✗ Difficulties to design an effective layout
- ✗ Uneven water density and impact
- ✗ Low washing ability



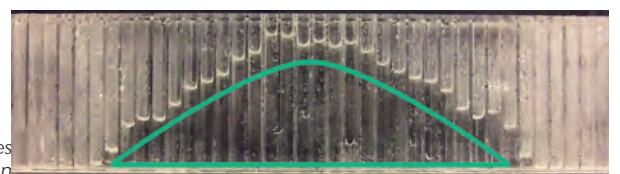
Competitors' nozzles
Spraying distribution



- Uniform distribution and impact as designed
- Uniform washing
- Higher washing ability



IKEUCHI's nozzles
Spraying distribution

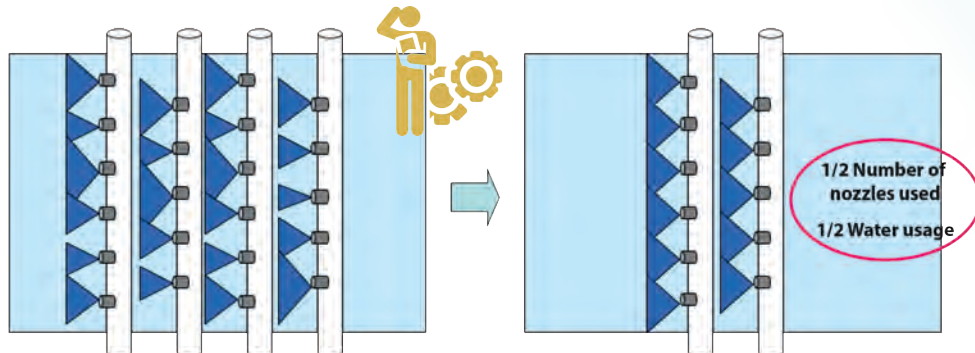


What do we offer as a solution?

We guarantee the spraying performance of our precision-made nozzles to provide the same quality. As a result, you can design the most effective installation layout to wash the required surface with the minimum number of nozzles.

Lower unit price nozzles with unsteady performance

Stable quality with effective performance



Less nozzles = Initial cost reduced
Maintenance cost reduced (*longer lifetime, less stock*)

Less water used = Running cost reduced

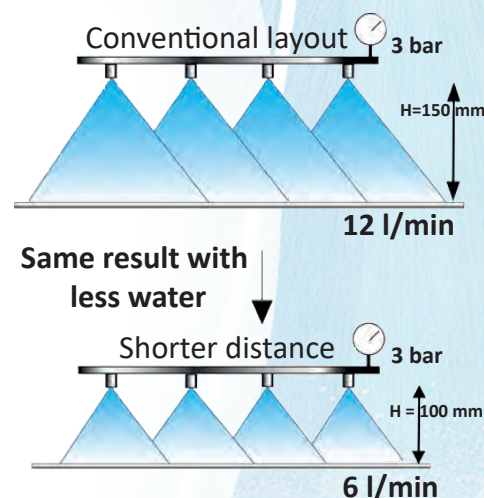
How does it improve the washing effect and save water at the same time?

Perfect coverage

By using high quality spray nozzles, you will have the expected result. As they all have the same spray angle, you can install them closer to each other and have an even spray distribution that will cover the entire surface.

Stronger impact with less water used

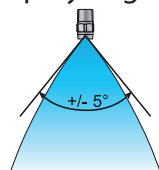
The most important factor in spray washing is the force of the spray impact. To obtain a strong spraying impact with a small amount of water you need to shorten the distance. By reducing the distance between the nozzles and the surface to wash by 1/2, the spray impact force will be quadrupled.



What are the main benefits of using high quality spray nozzles?

What determines the washing performance?

- ① Spray capacity ② Spray angle ③ Spray impact



With high quality spray nozzles, you can improve the washing performance by optimizing ① to ③ above.

Saving cost and increase productivity

It is a win-win solution for users and spray equipment manufacturers. Both parties save costs by reducing the quantity of nozzles used, the amount of water used, and still benefit of a good performance final product.



Washing machines will have water saving specifications and their washing ability will improve.

For inquiries / information requests / quotations related to this product, please contact us

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“The Fog Engineers”

IKEUCHI EUROPE B.V.



“Taking the path less traveled”

「人の足跡を踏むな」

