



## HW – Descaling Nozzle

### HW SERIES



Our HW series, manufactured both in the HW...AH standard and in the HW...AA mini size, offer easier mounting operation and watertight assembly between nipple and nozzle, while the two different diameter sizes allow different spray densities per meter of manifold. HW...AK standard size and HW...AB small size type nozzles offer in addition an again higher efficiency thanks to a streamlined inside profile, and take advantage from lower energy losses due to turbulence. This results in higher impact values on the steel surface.

#### Descaling Tips / Broach Fit, Standard, Short

The modern design of these nozzles offers the convenience of a more rational alignment system which allows a copper seal to be used between nipple and nozzle tip. The nozzle efficiency is enhanced by means of a carefully designed flow stabilizer, which minimizes turbulence due to sharp direction change at the inlet from the main manifold. Provision is also made for a filter to be mounted at the nozzle inlet, to avoid nozzle orifice to be clogged or damaged by foreign particles.

#### Descaling Tips / Broach Fit, Mini, Short

The modern design of these nozzles offers the same advantages as the full size HW tips, and in addition it makes possible to use a smaller pitch between the nozzles allowing an higher impact value per unit length. The nozzle efficiency is enhanced by means of a carefully designed flow stabilizer, which minimizes turbulence due to sharp direction change at the inlet from the main manifold. Provision is also made for a filter to be mounted at the nozzle inlet, to avoid nozzle orifice to be clogged or damaged by foreign particles.

#### Descaling Tips / Broach Fit, Standard, Long

The water path leading to the nozzle orifice has been completely redesigned in order to keep turbulent losses as low as possible, all sharp cross section changes have been eliminated with the result of a significant increase in water velocity at the nozzle orifice. The nozzle efficiency is further enhanced by a carefully designed flow stabilizer, which minimizes turbulence due to sharp flow direction change at the feed inlet from the main manifold. Finally a filter can be mounted at the nipple inlet, to avoid nozzle orifice to be clogged / damaged by foreign particles.



### Descaling Tips / Broach Fit, Mini, Long

Small size nozzle tips also feature a new inside profile completely redesigned in order to keep turbulent losses as low as possible: all sharp cross section changes have been eliminated with the result of is significantly higher water velocity at the orifice. The performances are further enhanced by a flow stabilizer, abating turbulence inducted by the sharp change of flow direction when the water flow leaves the main manifold to enter the nipple. Finally a filter can be mounted at the nipple inlet, to avoid nozzle orifice to be clogged / damaged by foreign particles.

### Characteristics

- **Connection:** Broach fit.
- **Spray angle:** 26°- 40°.
- **Material:** 303SS, 420SS, Tungsten Carbide.

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