



GAS PROTECTION

Champagne Nozzle II

Upgraded gas protection with TIG welding of reactive metals

Weldtec® conceived and developed the super size **Champagne Nozzle II** for all demanding weld zone flooding applications.

TIG welding of reactive metals, stainless steel and other high temperature metals is revolutionized by using the **Champagne Nozzle II**.

Use it for metals that requiring a complete protective umbrella of shielding gas for superior weld quality and reduced oxidation and discoloration. The **Champagne Nozzle II** allows professional welding of reactive metals like titanium*, nickel- and aluminium and Hastelloy®, Incoloy® or Nicrofer®. Even application with non-reactive metals for example stainless steel the **Champagne Nozzle II** is used for better weld results.

The **Champagne Nozzle II** has been designed especially for the light weight powerful torches WT-9/20/25 and for the Speedway® SW320.

The low weight of the **Champagne Nozzle II** guarantees optimal handling and is not topheavy as for example the Jumbo Gaslens.

The **Champagne Nozzle II** requires no special parts or conversion kits and mounts directly on the standard gaslens collet body and is directly applicable. An additional benefit is the ability for greater electrode stick-out up to 50 mm for better visibility of the weld puddle.

This is possible because the gas flow is very big (**Champagne Nozzle II** diameter 28 mm).

The new screen Pack filter assembly uses a stainless steel electrode guide to center the electrode, bundle and protects the filter screens from overheating providing. The screen pack consisting of five screens, outside of course mesh screens and inside three fine mesh screens. The screen pack makes a constant laminar gas flow without any turbulences that could bring oxygen into weld seam. The screen kit of the **Champagne Nozzle II** is interchangeable – this saves considerably cost.

The **Champagne Nozzle II** is available for tungsten electrodes 1,6 mm, 2,4 mm and 3,2 mm diameter.

* Many titanium welding applications may require additional gas protection.

The advantages in particular:

- **very little weight:** just 4 g more than standard gaslens
- **greatest possible inert gas flow** trough 28 mm diameter
- constant **laminar gas protection**
- **exchangeable** screen kit



Champagne-Nozzle-Kit



Standard nozzles **Champagne Nozzle II**

Standard nozzles tend to turbulences while the champagne nozzles creates constant inert gas flow.



WeldTec