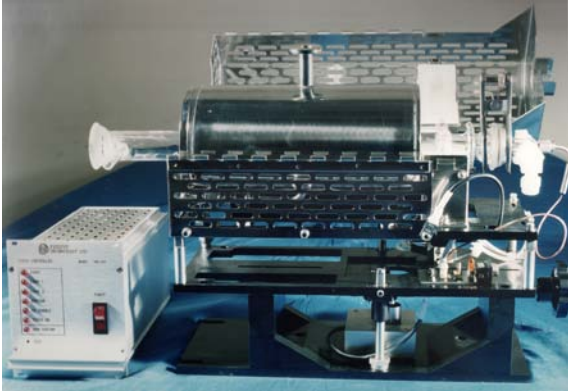




External Torch –PET 900 Series

(CE & S2 Certified)

Industry standard for generating ultra-pure steam used in silicon wet oxidation processes



Safely ignites a controlled mixture of H₂ and O₂ using two Halogen lamps.

NO devitrification - specially designed and patented injector tip maintains the gas flow dynamics, ensuring that the flame is distanced from both the injector tip and the chamber walls.



Continuous steam delivery to process chamber. Short flame length; minimal impact on process chamber temperature profile. Torch controller interfaces between the External Torch and the furnace, providing safety interlocks and alarms.

Features:

- No quartz devitrification - lifetime guarantee.
- Safest External torch on the market.
- Fast ignition - ignition temperature of 760°C reached within 60 seconds from cold state.
- Cooling - compressed air through double wall assembly together with perforated cover achieves skin temperature below 90°C.
- SEMATECH approved for introduction of DCE through injector (#95022715A-TR)
- Short flame length and no flame "runaway" at all flows and hydrogen/oxygen ratios due to sudden changes in gas flow.
- Compact design, easy to install and maintain.
- Universal, adaptable to all furnace brands and tube types.

Specifications:

- H₂ flow: 1 - 20 slm
- Steam concentration: 4-100%
- Skin T: 90 C max
- Flame detector (uv): 185-260nm
- Cooling air flow: 5-6 CFM @ 60-80PSI
- Power (during ignition): 110/250 VAC max 1100W
- Main body: SS & anodized Al
- Ceramics: Zircar ZAL-15
- Lamp: Halogen 500 W x 2
- Quartz: GE 214 or Equivalent
- Footprint: 450x150 mm
- Height: 210-260 mm
- Weight: 9 Kg

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