

# Fully Demountable Torch

Available for Thermo, Varian, Jobin Yvon, Spectro and GBC

- Reduce Operating Costs
- Enhance Versatility

With the Glass Expansion Fully Demountable Torch (FDT) the outer, inner and injector tubes can be separately replaced so that the whole torch does not need to be discarded if one component deteriorates. The FDT also allows the optimum components to be selected for each application. Instead of purchasing a variety of torches for different applications, you can simply change the injector or tubes to suit your application.

Our unique design of rugged o-ring free ground glass joints guarantees that the FDT can be quickly and easily assembled and disassembled. Components are manufactured to micron-level tolerances to ensure exact alignment every time.



*For Varian Vista Axial*



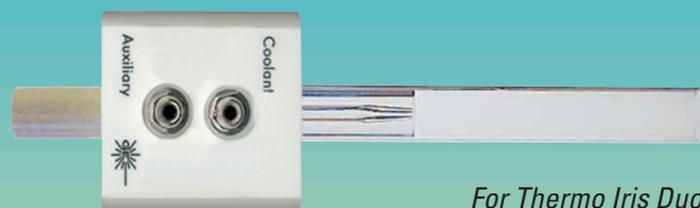
*Outer Tube*



*Inner Tube*



*Injector*



*For Thermo Iris Duo*

Problem	Advantage of Fully Demountable Torch
Deterioration of the outer tube or inner tube.	Save money by replacing only the outer tube or inner tube rather than the whole torch. In some cases you can also choose a shorter outer tube or a ceramic outer tube for longer life.
Salt deposition in the injector tube when running samples with high TDS.	Reduce salt deposition by changing to a wide bore capillary injector.
Unstable plasma due to organic solvent.	Improve stability with organics by changing to a narrow-bore injector.
Corrosion of quartz injector due to hydrofluoric acid (HF).	Eliminate corrosion of the injector by changing to an alumina injector.
High background from quartz components inhibits low-level Si determinations.	Reduce Si background by changing to a ceramic outer tube and injector.
Build-up of carbon deposits on the torch components from the running of organics.	Place only the affected quartz component(s) in a muffle furnace to clean quickly.

Contact us to find out how a Glass Expansion Fully Demountable Torch can help reduce your ICP operating costs.



**GLASS EXPANSION**

Quality By Design

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