

# Simplify Maintenance – New Inert Injector Base Eliminates O-ring Hassles

PFA inert sample introduction kits for  
Agilent ICP-MS



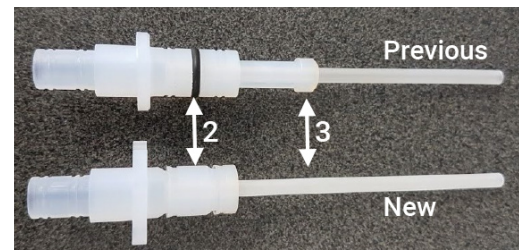
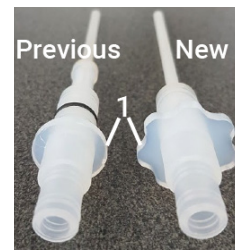
As part of Agilent's continuous product improvement process, an improved O-ring-free design for the PFA injector base has been introduced. The O-ring-free design of the PFA injector base lets you easily remove the injector from the ICP-MS torch body—preventing potential sticking, even after extended use. This simplifies cleaning and maintenance.

## Overview of the improvements

The hand grip (labelled 1 in the image adjacent) on the injector base, used to insert and remove the injector, has been enlarged to provide greater leverage, reducing user effort. The O-ring that sealed the injector into the outer quartz torch body (labelled 2 in the image adjacent) has been removed. This enables much easier removal of the injector from the outer quartz torch body, preventing potential sticking or overheating problems, even after extended use. This greatly simplifies cleaning and maintenance. The guidance flange (labelled 3 in the image adjacent) has also been removed with no detriment to injector alignment within the quartz torch. The flange had the potential to disrupt gas flows in the torch, one of many factors that can contribute to overheating.

There is no change to routine installation or operation, and analytical performance is unchanged.

The improved O-ring-free design is supplied with the same PFA inert kits and replacement injectors supplied since the end of 2020. The O-ring-free design is compatible with all inert kit components previously supplied, enabling you to upgrade an existing inert kit you are working with, simply by ordering a replacement injector.



The O-ring-free injector base is included with the PFA inert sample introduction kits used with Agilent 7700/7800/7850/7900/8800/8900 ICP-MS instruments, including:

Product Description	Part Number
PFA inert kit*, including demountable torch with 2.5 mm ID sapphire injector, for aqueous samples containing HF	<a href="#">G4912-68000</a>
PFA inert kit*, including demountable torch with 2.5 mm ID platinum injector, for aqueous samples containing HF	<a href="#">G4912-68001</a>
PFA inert kit*, including demountable torch with 1.5 mm ID sapphire injector, for organic samples	<a href="#">G4912-68002</a>
PFA inert kit*, including demountable torch with 1.5 mm ID platinum injector, for organic samples	<a href="#">G4912-68003</a>

\* The kit includes PFA spray chamber & end cap, connector and demountable torch with nominated injector. Requires but does not include inert nebulizer.

Replacement injectors are also available separately enabling you to upgrade an existing inert kit you are working with:

Product Description	Part Number
Sapphire injector, 2.5 mm ID for PFA inert kit used with aqueous samples containing HF	<a href="#">G3285-80034</a>
Platinum injector, 2.5 mm ID for PFA inert kit used with aqueous samples containing HF	<a href="#">G3285-80035</a>
Sapphire injector, 1.5 mm ID for PFA inert kit used with organic solvents	<a href="#">G4912-80010</a>
Platinum injector, 1.5 mm ID for PFA inert kit used with organic solvents	<a href="#">G4912-80011</a>

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