

PC³-SSI

Sample Inlet System

Thermally stabilized inlet system for ICP-MS

The PC³-SSI is an enhanced stability sample introduction system designed for isotope ratio analyses or any ICP-MS analysis requiring high precision. The PC³-SSI is a compact Peltier Cooled inlet system that combines the features of the PC³ with ESI's Stable Sample Introduction (SSI) spray chamber to improve short-term and long-term stability and isotope ratio

PC³-SSI Advantages:

- Thermal stabilization of spray chamber improves long-term stability.
- All quartz, o-ring free Stable Sample Introduction (SSI) spray chamber.
- Improved rinse-out time reduces rinse time between samples.
- Improve signal stability up to 2x to 3x.
- Improves isotope ratio precision up to 5x.
- Reduced oxides, interferences
- No separate chiller required
 - No antifreeze required
 - No algae growth
 - No water lines
- Robust, with very little maintenance reducing the chance of accidental breakage
- Long lifetime
- Very low maintenance



PC³ with SSI spray chamber

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Ordering Information

PC3-SSI Inlet System

ES-42zz-111u-ait0-xx

Create a part number by selecting the instrument model (zz), electrical outlet configuration (a), injector type (i), torch type (t), outlet for ICP injector, and nebulizer combination (xx).

Spray Chamber Options

u = outlet connector type

u = 1 ESI injector connection (straight connection)

u = 7 TJA base torch connector (3/8" straight-tube outlet)

u = 8 12/5 socket connection

u = 9 Perkin Elmer injector connection

t = torch type

t = 0 no torch

t = 1 OEM Torch

t = 2 ESI o-ring-free specified

t = 3 ESI o-ring specified

t = 4 One piece quartz

a = electrical outlet

a = 0

a = 1 North America and Japan

a = 2 Europe

a = 3 UK

a = 4 China

a = 5 India

a = 6 Australia

a = 7 Switzerland

i = injector type

i = 0 No injector

i = 1 ESI 1.5mm Quartz

i = 2 ESI 2mm Quartz

i = 4 ESI 1.8mm Sapphire

i = 7 ESI 2mm Platinum

i = 9 OEM injector

xx = nebulizer options

xx = 10 PFA-20 PFA-20

xx = 11 PFA-20 PFA-50

xx = 12 PFA-20 PFA-100

xx = 13 PFA-20 PFA-400

xx = 14 PFA-20 PFA-ST

xx = 15 PFA-50 PFA-50

xx = 16 PFA-50 PFA-100

xx = 17 PFA-50 PFA-400

xx = 18 PFA-50 PFA-ST

xx = 19 PFA-100 PFA-100

xx = 20 PFA-100 PFA-400

xx = 21 PFA-100 PFA-ST

xx = 22 PFA-400 PFA-400

xx = 23 PFA-400 PFA-ST

xx = 24 PFA-ST PFA-ST

zz = instrument

zz = 50 Generic

zz = 51 Finnigan Element 1

zz = 52 Finnigan Element 2

zz = 53 Finnigan Neptune

zz = 54 PE Elan 5000/6000/9000/DRC

zz = 55 PE Optima 3000 Radial

zz = 56 PE Optima 3000 XL/DV

zz = 57 PE Optima 2000/4000

zz = 58 VG Axiom

zz = 59 VG PQ

zz = 60 VG X series

zz = 61 Agilent 4500

zz = 62 Agilent 7500

zz = 63 GV Isoprobe

zz = 64 GV Platform

zz = 65

zz = 66

zz = 79

zz = 67

zz = 68

zz = 71

zz = 69

zz = 70

zz = 75

zz = 76

zz = 81

zz = 77

zz = 78

zz = 80

zz = 82

Varian Vista/Vista Pro

Varian Liberty

Varian ICP-MS

Spectro Cirros

TJA ICPOES Axial

TJA Radial

Seiko ICPMS

Seiko ICPOES

Micromass PT2

JY Ultratrace

JY Radial

Leeman DRE (Axial)

Leeman Radial

ARL 3500 series

NU Instruments

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