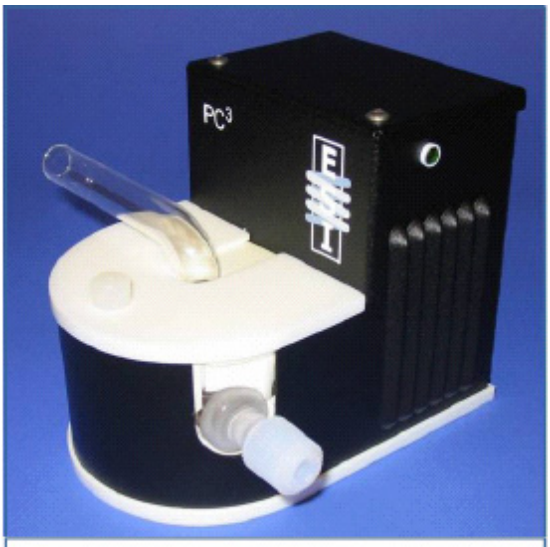
PC^3

Sample Inlet System

Thermally stabilized inlet system for ICP-MS

The PC^3 is a compact Peltier Cooled inlet system which incorporates the ESI cyclonic spray chamber. The peltier within the PC^3 can be air or water cooled, as such the system can be connected to any ICP-MS. The PC^3 reduces the water vapour loading on the plasma resulting in enhance stability and performance. The spray chamber can incorporate any 6 mm nebulizer and is ideally suited to the PFA-ST Microflow nebulizer.



PC^3 Peltier Cooled Cyclonic Chamber

PC^3 Advantages:

- Thermal stabilization of spray chamber improves long-term stability
- User-selected control of spray chamber temperature (+2 °C/ -5 °C) for aqueous or organic solvents.
- Optional oxygen gas port for organic solvent analysis.
- Interchangeable quartz, polypropylene and borosilicate cyclonic spray chambers available.
- Fast rinse-out using PFA-ST nebulizer and O-ring-free quartz cyclonic spray chamber.
- Reduced oxides
- 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

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Ordering Information

PC3 Inlet System ES-41zz-debu-aitg-xx

Create a part number by selecting the instrument model (zz), electrical outlet configuration (a), injector type (I), torch type (t), choose the mounting bracket (g), spray chamber material (d), auxiliary gas port (e), baffle (b), outlet for ICP injector, and nebulizer combination (xx).

d = chamber material
- d = 1 Quartz
- d = 2 Polypropylene (HF resistant)
- d = 3 Borosilicate glass

e = auxiliary port
- e = 0 No aux. port
- e = 1 Threaded aux.port, 1/4-28
- e = 2 aux. port, 2mm x 4mm

b = baffle type
- b = 0 non-baffled (ICP-AES)
- b = 1 baffled (ICP-MS)

u = outlet connector type
- u = 1 ESI injector connection (straight connection)
- u = 7 TJA base torch connector (3/8" striaght-tube outlet)
- u = 8 12/5 socket connection
- u = 9 Perkin Elmer injector connection

g = mounting bracket
- g = 0 no mounting bracket
- g = 1 with mounting bracket

a = electrical outlet configuration
- a = 0
- a = 1 North America and Japan
- a = 2 Europe
- a = 3 UK
- a = 4 China
- a = 5 India
- a = 6 Austrailia
- 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

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

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 = 65	Varian Vista/Vista Pro
zz = 51	Finnigan Element 1	zz = 66	Varian Liberty
zz = 52	Finnigan Element 2	zz = 79	Varian ICP-MS
zz = 53	Finnigan Neptune	zz = 67	Spectro Cirros
zz = 54	PE Elan 5000/6000/9000/DRC	zz = 68	TJA ICPOES Axial
zz = 55	PE Optima 3000 Radial	zz = 71	TJA Radial
zz = 56	PE Optima 3000 XL/DV	zz = 69	Seiko ICPMS
zz = 57	PE Optima 2000/4000	zz = 70	Seiko ICPOES
zz = 58	VG Axiom	zz = 75	Micromass PT2
zz = 59	VG PQ	zz = 76	JY Ultratrace
zz = 60	VG X series	zz = 81	JY Radial
zz = 61	Agilent 4500	zz = 77	Leeman DRE (Axial)
zz = 62	Agilent 7500	zz = 78	Leeman Radial
zz = 63	GV Isoprobe	zz = 80	ARL 3500 series
zz = 64	GV Platform	zz = 82	NU Instruments

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