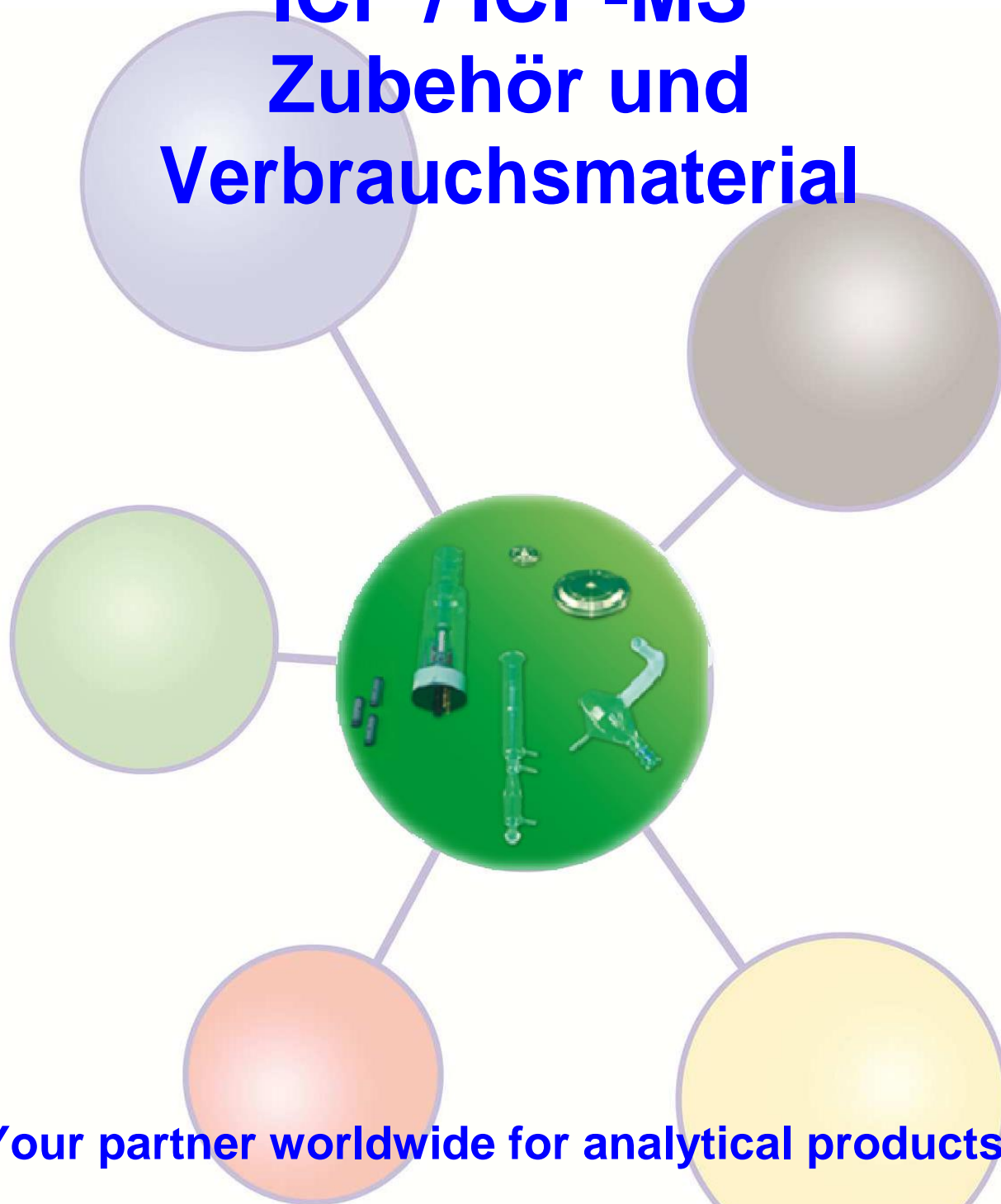




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**IVA Analystechnik
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Alte Seilereihaus 5
Meerbuscher Str. 62a
D-40670 Meerbusch

t +49 2159 6942-0
f +49 2159 6942-10
info@iva-analystechnik.de
www.iva-analystechnik.de

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Anschrift:

IVA Analystechnik GmbH & Co. KG
Alte Seilerei Haus 5
Meerbuscher Str. 62a
40670 Meerbusch, Deutschland

Telefon: +49 2159 6942-0
Fax: +49 2159 6942-10
E-Mail: orders@iva-analysentechnik.de
Internet: www.iva-analysentechnik.de

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INHALT

1	Analytik Jena (Bruker / Varian)	1
1.1	Varian 800-MS / Aurora Elite	1
1.1.1	Torches und Accessories.....	1
1.1.2	Spray Chambers und Accessories.....	1
1.1.3	Nebulizers.....	1
2	Agilent.....	2
2.1	Agilent (HP) 4500 / 7500 / 7700.....	2
2.1.1	Torches und Accessories.....	2
2.1.2	Spray Chambers und Accessories.....	3
2.1.3	Nebulizers.....	3
3	ARL.....	4
3.1	ARL 3500 Maxi	4
3.1.1	Torches und Accessories.....	4
3.1.2	Spray Chambers und Accessories.....	4
3.1.3	Nebulizers.....	5
3.2	ARL 3400/3500 Accuris Mini.....	5
3.2.1	Torches und Accessories.....	5
3.2.2	Spray Chambers und Accessories.....	5
3.2.3	Nebulizers.....	6
3.3	ARL Maxim 1 und 3	6
3.3.1	Torches und Accessories.....	6
3.3.2	Spray Chambers und Accessories.....	6
3.3.3	Nebulizers.....	6
4	Baird	7
4.1	Baird 27 MHz	7
4.1.1	Torches und Accessories.....	7
4.2	Baird 2000 und 2070.....	7
4.2.1	Torches und Accessories.....	7
4.2.2	Spray Chambers und Accessories.....	7
4.2.3	Nebulizers.....	8
4.3	Baird PSQ & PSX	8
4.3.1	Torches und Accessories.....	8
4.3.2	Spray Chambers und Accessories.....	8
4.3.3	Nebulizers.....	9
4.4	Baird PST	9
4.4.1	Torches und Accessories.....	9
4.4.2	Spray Chambers und Accessories.....	9
4.4.3	Nebulizers.....	10
4.5	Baird AFS-2000	10
4.5.1	Torches und Accessories.....	10
5	Thermo Finnigan.....	10
5.1	Torches und Accessories.....	10
5.2	Spray Chambers und Accessories.....	11
6	Jobin Yvon	11
6.1	Torches und Accessories.....	11
6.2	Spray Chambers und Accessories.....	12
6.3	Nebulizers.....	12
7	Perkin Elmer®	12

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7.1	Perkin Elmer® Plasma 1000, 2000.....	12
7.1.1	Torches und Accessories.....	12
7.1.2	Spray Chambers und Accessories.....	13
7.1.3	Nebulizers.....	13
7.2	Perkin Elmer® Plasma II.....	13
7.2.1	Torches und Accessories.....	13
7.2.2	Spray Chambers und Accessories.....	14
7.2.3	Nebulizers.....	14
7.3	Perkin Elmer® Plasma 40 und 400.....	14
7.3.1	Torches und Accessories.....	14
7.3.2	Spray Chambers und Accessories.....	14
7.3.3	Nebulizers.....	15
7.4	Perkin Elmer® ICP Elan 5000, 5500, 5500B, 6000 und 6500.....	15
7.4.1	Torches und Accessories.....	15
7.4.2	Spray Chambers und Accessories.....	15
7.4.3	Nebulizers.....	16
7.5	Perkin Elmer® Optima 3000 Serie RL	16
7.5.1	Torches und Accessories.....	16
7.5.2	Spray Chambers und Accessories.....	16
7.5.3	Nebulizers.....	16
7.6	Perkin Elmer® Optima 3000 Serie XL und SC(X)	17
7.6.1	Torches und Accessories.....	17
7.6.2	Spray Chambers und Accessories.....	17
7.6.3	Nebulizers.....	17
7.7	Perkin Elmer® 3000 Serie DV	18
7.7.1	Torches und Accessories.....	18
7.7.2	Spray Chambers und Accessories.....	18
7.7.3	Nebulizers.....	18
7.8	Perkin Elmer® Optima 2100 / 4300 / 5300 / 7300DV.....	19
7.8.1	Torches und Accessories.....	19
7.8.2	Spray Chambers und Accessories.....	19
7.8.3	Nebulizers.....	20
7.9	Perkin Elmer® OPTIMA 4300V / 5300V / 7300V	20
7.9.1	Torches und Accessories.....	20
7.9.2	Spray Chambers und Accessories.....	20
7.9.3	Nebulizers.....	20
7.10	Perkin Elmer® OPTIMA 8300DV	21
7.10.1	Torches und Accessories.....	21
7.10.2	Spray Chambers und Accessories.....	21
7.10.3	Nebulizers.....	22
7.11	Perkin Elmer® Sciex ELAN 250 / 500.....	22
7.11.1	Torches und Accessories.....	22
7.12	Perkin Elmer® Sciex ELAN 5000 / 6x00 / 9000 DRCII	22
7.12.1	Torches und Accessories.....	22
7.12.2	Spray Chambers und Accessories.....	23
7.12.3	Nebulizers.....	23
7.13	Perkin Elmer® NexION.....	24
7.13.1	Torches und Accessories.....	24
7.13.2	Spray Chambers und Accessories.....	24
7.13.3	Nebulizers.....	24
8	Spectro	25

* The use of instrument name is intended for convenience and does not imply that the products are of instrument manufacturer origin



8.1	Torches.....	25
8.1.1	SOP Torches	25
8.1.2	EOP Torches	25
8.1.3	Torch Accessories	26
8.2	Spray Chambers und Accessories.....	26
8.3	Nebulizers.....	26
9	Thermo	27
9.1	Thermo TJA 2000-2400 Series.....	27
9.1.1	Torches und Accessories.....	27
9.1.2	Spray Chambers und Accessories.....	27
9.1.3	Nebulizers.....	27
9.2	Thermo TJA 975, 9000, 61 und 1100	28
9.2.1	Torches und Accessories.....	28
9.2.2	Spray Chambers und Accessories.....	28
9.2.3	Nebulizers.....	29
9.3	Thermo – TJA 61E, Iris, Intrepid	29
9.3.1	Torches und Accessories.....	29
9.3.2	Spray Chambers und Accessories.....	30
9.3.3	Nebulizers.....	30
9.4	Thermo – TJA61E Trace, Iris AP, Intrepid	31
9.4.1	Torches und Accessories.....	31
9.4.2	Spray Chambers und Accessories.....	31
9.4.3	Nebulizers.....	32
9.5	Determining the Correct Replacement TJA Ceramic Base Torch und Injector 32	
9.6	Thermo – VG	33
9.6.1	Torches und Accessories.....	33
9.6.2	Spray Chambers und Accessories.....	33
9.6.3	Nebulizers.....	34
9.6.4	Accessories	34
9.7	Thermo X-Series.....	34
9.7.1	Torches und Accessories.....	34
9.7.2	Spray Chamber.....	35
9.7.3	Nebulizers.....	35
9.8	Thermo iCap 6000	35
10	Agilent (Varian)	36
10.1	Varian 700ES Series, Liberty, Vista	36
10.1.1	Torches und Accessories.....	36
10.1.2	Spray Chambers und Accessories.....	36
10.1.3	Nebulizers.....	37
10.2	Varian UltraMass-700	37
10.2.1	Torches und Accessories.....	37
10.2.2	Spray Chambers und Accessories.....	37
10.2.3	Nebulizers.....	38
11	Special Nebulizer	39
11.1	Burgener ICP - ICP-MS Nebulizers.....	39
11.1.1	Mira Mist und Ari Mist Nebulizers for ICP / ICP-MS	39
12	Flared End Pump Tubing	40
12.1	TYGON-pump tubing with 2 spacers	40
12.2	TYGON-pump tubing with 3 spacers	41
13	ICP-MS Cones und Skimmers	42

* The use of instrument name is intended for convenience and does not imply that the products are of instrument manufacturer origin



13.1 Agilent Technologies.....	42
13.2 Leco®.....	43
13.3 Finnigan / TJA.....	43
13.4 MicroMass.....	44
13.5 NU.....	44
13.6 Sciex / Perkin Elmer.....	45
13.7 Spectro.....	45
13.8 Thermo VG.....	46
14 Coils.....	47
14.1 Sciex / Perkin Elmer.....	47
14.2 ARL.....	47
14.3 Agilent 4500 und 7500.....	47
15 Platinum Shields.....	47
15.1 Agilent.....	47
15.2 Thermo.....	47
15.3 Thermo VG.....	48
16 Electron Multipliers.....	48
16.1 Agilent.....	48
16.2 Thermo.....	48
16.3 LECO.....	48
16.4 Perkin Elmer.....	49
16.5 GBC.....	49
16.6 Varian / Analytik Jena.....	49
16.7 TJA.....	49
16.8 Shimadzu.....	49

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1 Analytik Jena (Bruker / Varian)

1.1 Varian 800-MS / Aurora Elite

1.1.1 Torches und Accessories

Part No.	Ref. Code	Beschreibung
IVA80034	20-101007-00 Alt. 30-808-1206 ML180030	ICPMS TORCH WITH PLACEMENT POSTS

1.1.2 Spray Chambers und Accessories

Part No.	Ref. Code	Beschreibung
IVA80031	2010100800	ICPMS SHEATH BYPASS
IVA80032	1010100900	ICPMS SHEATH GAS PORT
IVA80033	2010101000	ICPMS SPRAY CHAMBER

1.1.3 Nebulizers

Part No.	Ref. Code	Beschreibung
IVA50070	2010076500	CONCENTRIC, C TYPE, 1.0l/min @35psi, 1mlpm
IVA50070MQ DAC	2010102100	C-TYPE CONCENTRIC NEBULIZER, 1 lpm Ar, 30psi, Microflow (0.1-0.4 mL/min)
IVA50085	2010081600	K-HIGH FLOW, AX CONCENTRIC NEBULIZER
IVA80055	9910057400	INERT V-GROOVE, 0.7l/min @35psi



2 Agilent

2.1 Agilent (HP) 4500 / 7500 / 7700

2.1.1 Torches und Accessories

Part No.	Ref. Code	Beschreibung
IVA90001	G3270-67002	New Standard Torch, 2.5mm, 2 projections, HMI
IVA90002	G3285-80050	Torch for PFA Insert Kit
IVA90003	G1833-65425	One Piece Torch, 1.0mm Injector (Agilent 7500)
IVA90004		1 pc Torch 1.5mm Injector (HP4500, ETV)
IVA90005	G1820-65028	HP Torch 2.5 Injector
IVA90006	G1833-65423	One Piece Torch, 2.5mm Injector (Agilent 7500)
IVA90007	G1833-65424	One Piece Torch, 1.5mm Injector (Agilent 7500)
IVA90008	G1820-65035	HP HF Demountable Torch
IVA90009	G1833-65422	Demountable Torch, Inert (HP7500)
IVA90020		HP Alumina Injector
IVA90020Q		HP Qtz Injector
IVA90024		QUARTZ BONNET (HP 4500)
IVA90025	G1833-65421	QUARTZ BONNET
IVA90030		HP Teflon Injector Holder
IVA90051	G3280-80053 (G3280-80001)	One Piece Torch, 2.5mm Injector (Agilent 7700)
IVA90053	G1833-65430	Clamp, Stainless Steel, #12, 2/pkg
IVA90054	G3280-80080 (G3280-80004)	One Piece Torch, 1.5mm Injector (Agilent 7700)
IVA90055	G3280-80081 (G3280-80005)	One Piece Torch, 1.0mm Injector (Agilent 7700)



2.1.2 Spray Chambers und Accessories

Part No.	Ref. Code	Beschreibung
IVA90010		HP Pyrex Spray Chamber 180 deg.
IVA90011	G1820-65336	Scott Spray Chamber, Inner/Outer Tube Flush, Drain & Exit 90° (HP 4500)
IVA90012		HP Quartz Spray Chamber 180 deg.
IVA90013	G1820-65337	HP Quartz Spray Chamber 90 deg.
IVA90014	G1820-65339	HP Quartz Spray Chamber 90 deg. Extended Inner Tube
IVA90016		Cyclonic Spray Chamber
IVA90016Q		Cyclonic Spray Chamber, Quartz
IVA90032		HP Quartz Socket Adapter
IVA90036		HP Quartz Ball Adapter
IVA90038	G1820-80237	HP Quartz Ball & Socket Adapter
IVA90039	G1833-65416	Ball & Socket Adapter (Agilent 7500)
IVA90040		Agilent 7700 Connector Rod
IVA90041		Agilent 7700 Connector Rod (Dilution)

2.1.3 Nebulizers

Part No.	Ref. Code	Beschreibung
IVA50070		C-Type 1mlpm Concentric Nebulizer
IVA50072		C-Type 3mlpm Concentric Nebulizer
IVA50077	G1820-65030	A-Type 3mlpm Concentric Nebulizer
IVA50077Q	G1820-61138	A-Type 3mlpm Quartz Concentric Nebulizer
IVA50093	G1820-65033	HP High Solids Cross-Flow Nebulizer
IVA50094	G1833-80301	Cross-Flow Nebulizer, High Flow
IVA52030	G1820-65121	Kynar® End Cap for use with Open End Spray Chamber



3 ARL

3.1 ARL 3500Maxi

3.1.1 Torches und Accessories

Part No.	Ref. Code	Beschreibung
IVA10005	139009003	MAXI TORCH
IVA10005W		MAXI TORCH w/WAR METALS OUTER SHIELD
IVA10006		STANDARD TORCH w / 20 mm SHIELD
IVA10008	1370000000	ICPQ TORCH
IVA10009	1731270000	NITROGEN TORCH, 3" PORT w/28-15 BALL JOINT
IVA10021		TORCH EXTENSION
IVA10022		TORCH EXTENSION w/OPTICAL PORT
IVA10025		TORCH BONNET
IVA10027	1732510000	TORCH BONNET, INDUCTION COIL M/S
IVA10028	1706310000	ARGON SNOOT TUBE
IVA12040	1731310000	HF/CR RESISTANT TORCH BODY QTZ
IVA12042		INJECTOR TIP, ALUMINA
IVA12044		TEFLON INSERT FOR HF TORCH
IVA12045		TEFLON INSERT, ADJUSTABLE, FOR HF TORCH
IVA12055		O-RINGS for C/R MAXIM TORCH, teflon coated viton

3.1.2 Spray Chambers und Accessories

Part No.	Ref. Code	Beschreibung
IVA10012	1731420000	SPRAY CHAMBER, FOR CONCENTRIC NEBULIZER
IVA10014		SPRAY CHAMBER, FOR MDSN
IVA10016	1390080000	SPRAY CHMEBER, OPEN END w/IMPACT BEAD
IVA10018		SPRAY CHAMBER, OPEN END w/DRAIN
IVA11055		CYCLONIC SPRAY CHAMBER, 10mm DRAIN
IVA11055J		CYCLONIC CHAMBER, water cooled, 10mm DRAIN
IVA12030	1734750000	Maxi CR Teflon Spraychamber Assy
IVA12051		TEFLON INSERT, allows the 100-14 to use concentric nebulizers
IVA12056		O-RINGS FOR CHAMBER, TEFLON COATED VITON

**The use of instrument name is intended for convenience and does not imply that the products are of instrument manufacturer origin*



3.1.3 Nebulizers

Part No.	Ref. Code	Beschreibung
IVA50077	914319000P/M	CONCENTRIC NEBULIZER, 1.0 L/min @ 35psi, 3mlpm
IVA51010S		NOORDERMEER V-GROOVE MSDN NEBULIZER, 1 lpm Ar
IVA51050	173259-0000	RYTON BABBINGTON NEBULIZER

3.2 ARL 3400/3500 Accuris Mini

3.2.1 Torches und Accessories

Part No.	Ref. Code	Beschreibung
IVA11030	1734630000	MINI TORCH (STANDARD), 1.5mm INJECTOR
IVA11030/1.0		MINI TORCH, 1.0mm INJECTOR
IVA11031	1734730000	MINI HF/CR TORCH BODY
IVA11032	170692	MINI NITROGEN TORCH
IVA11035	1732520000	TORCH BONNET
IVA11042	144860	TORCH MOUNT
IVA11048	144857	ALUMINA INJECTOR TIP for the MINI TORCH
IVA11050		MINI HIGH SOLIDS TORCH
IVA11054	1706930000	ARGON SNOOT N2
IVA12055		O-RINGS for TORCH

3.2.2 Spray Chambers und Accessories

Part No.	Ref. Code	Beschreibung
IVA11033	1731420002	SPRAY CHAMBER for CONCENTRIC NEBULIZER
IVA11033Q		MINI QTZ SPRAY CHAMBER for concentric nebulizer
IVA11034	1731420003	SPRAY CHAMBER for MDSN
IVA11036	173142004	SPRAY CHAMBER, water cooled, for concentric neb.
IVA11055		CYCLONIC SPRAY CHAMBER, 10mm DRAIN
IVA11055J		CYCLONIC CHAMBER, water cooled, 10mm DRAIN
IVA11055QJ		QUARTZ CYCLONIC SPRAY CHAMBER WATER COOLED 10 mm DRAIN 12/5 socket
IVA11060		ARL MINI HF SYSTEM
IVA12051		TEFLON INSERT, allows the 100-14 to use concentric nebulizers
IVA12056		O-RINGS FOR CHAMBER, TEFLON COATED VITON

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3.2.3 Nebulizers

Part No.	Ref. Code	Beschreibung
IVA51050	173259-0000	RYTON BABBINGTON NEBULIZER
IVA50080	915375-000P/M	K-TYPE CONCENTRIC NEBULIZER, 0.7 lpm Ar, 30psi, 3mL/min
IVA51010	9158170000	V-GROOVE MDSN, 0.7 L/min @ 35psi

3.3 ARL Maxim 1 und 3

3.3.1 Torches und Accessories

Part No.	Ref. Code	Beschreibung
IVA11038	S111403	MAXIM TORCH
IVA11045	S213787	MAXIM C/R TORCH
IVA12055		O-RINGS for C/R MAXIM TORCH, teflon coated viton

3.3.2 Spray Chambers und Accessories

Part No.	Ref. Code	Beschreibung
IVA11039	S702174	SPRAY CHMABER, water jacketed, for conc.nebs.
IVA11040	S702232	DRAIN TRAP
IVA11041	S702171	SPRAY CHAMBER for CONCENTRIC NEBULIZERS
IVA11041Q		QUARTZ SPRAY CHAMBER, for CONCENTRIC NUBULIZER
IVA12056		O-RINGS FOR CHAMBER, TEFLON COATED VITON

ARL Maxim 1 und 3

3.3.3 Nebulizers

Part No.	Ref. Code	Beschreibung
IVA51010	9158170000	V-GROOVE MDSN, 0.7 L/min @ 35psi

4 Baird

4.1 Baird 27MHz

4.1.1 Torches und Accessories

Part No.	Ref. Code	Beschreibung
IVA20005	25515	TORCH, PLASMA STANDARD
IVA22050	75132	ALUMINA INJECTOR TUBE 4.8"
IVA22051	75144	ALUMINA INJECTOR TUBE 5.6"
IVA22052	75145	ALUMINA INJECTOR TUBE 7.7"
IVA22053		TEFLON INSERT, FIXED
IVA22054		TEFLON INSERT, ADJUSTABLE
IVA22055	69987	DEMOUNTABLE TORCH BODY

4.2 Baird 2000 und 2070

4.2.1 Torches und Accessories

Part No.	Ref. Code	Beschreibung
IVA20006	75542	TORCH, LOW FLOW
IVA20010	75145	TORCH, LOW FLOW DEMOUNTABLE
IVA20021		TORCH EXTENSION
IVA20025	25492	TORCH BONNET
IVA20030	77611	WINDOW TUBE
IVA20036	62607	EXTENSION, BALL und SOCKET
IVA22050	75132	ALUMINA INJECTOR TUBE 4.8"
IVA22051	75144	ALUMINA INJECTOR TUBE 5.6"
IVA22052	75145	ALUMINA INJECTOR TUBE 7.7"
IVA22053		TEFLON INSERT, FIXED
IVA22054		TEFLON INSERT, ADJUSTABLE

4.2.2 Spray Chambers und Accessories

Part No.	Ref. Code	Beschreibung
IVA20012	25492	SCOTT SPRAY CHAMBER
IVA20014		SCOTT SPRAY CHAMBER for concentric nebulizer
IVA20015		SCOTT SPRAY CHAMBER, WATER COOLED



4.2.3 Nebulizers

Part No.	Ref. Code	Beschreibung
IVA50070		CONCENTRIC NEBULIZER, C-TYPE, 1.0l/min Ar
IVA50092		FXED CROSSFLOW NEBULIZER
IVA51010		GLASS V-GROOVE NEBULIZER
IVA51050		BABBINGTON V-GROOVE NEBULIZER

4.3 Baird PSQ & PSX

4.3.1 Torches und Accessories

Part No.	Ref. Code	Beschreibung
IVA20006	75542	TORCH, LOW FLOW
IVA20007	69972	PLASMA PSX LOW FLOW (old PSX)
IVA20008	666011	PLASMA LOW FLOW (old PSX)
IVA20009	75128	PSX LABTEST LOW FLOW TORCH
IVA20010	75145	TORCH, LOW FLOW DEMOUNTABLE
IVA20011	75129	PSX LOW FLOW HF/CR TORCH
IVA20021		TORCH EXTENSION
IVA20025	25492	TORCH BONNET
IVA20030	77611	WINDOW TUBE
IVA20033		ENTRANCE TUBE, PLASMA LABTEST
IVA20036	62607	EXTENSION, BALL und SOCKET
IVA20036Q		QTZ BALL und SOCKET EXTENSION
IVA22050	75132	ALUMINA INJECTOR TUBE 4.8"
IVA22051	75144	ALUMINA INJECTOR TUBE 5.6"
IVA22052	75145	ALUMINA INJECTOR TUBE 7.7"
IVA22053		TEFLON INSERT, FIXED
IVA22054		TEFLON INSERT, ADJUSTABLE

4.3.2 Spray Chambers und Accessories

Part No.	Ref. Code	Beschreibung
IVA20012	25492	SCOTT SPRAY CHAMBER
IVA20014		SCOTT SPRAY CHAMBER for concentric nebulizer
IVA20015		SCOTT SPRAY CHAMBER, WATER COOLED



4.3.3 Nebulizers

Part No.	Ref. Code	Beschreibung
IVA50070		CONCENTRIC NEBULIZER, C-TYPE, 1.0l/min Ar
IVA50092		FXED CROSSFLOW NEBULIZER
IVA51010		GLASS V-GROOVE NEBULIZER
IVA51050		BABBINGTON V-GROOVE NEBULIZER

4.4 BairdPST

4.4.1 Torches und Accessories

Part No.	Ref. Code	Beschreibung
IVA20006	75542	TORCH, LOW FLOW
IVA20010	75145	TORCH, LOW FLOW DEMOUNTABLE
IVA20021		TORCH EXTENSION
IVA20025	25492	TORCH BONNET
IVA20030	77611	WINDOW TUBE
IVA20032	77200	PST PURGE WINDOW
IVA20036	62607	EXTENSION, BALL und SOCKET
IVA22050	75132	ALUMINA INJECTOR TUBE 4.8"
IVA22051	75144	ALUMINA INJECTOR TUBE 5.6"
IVA22052	75145	ALUMINA INJECTOR TUBE 7.7"
IVA22053		TEFLON INSERT, FIXED
IVA22054		TEFLON INSERT, ADJUSTABLE

4.4.2 Spray Chambers und Accessories

Part No.	Ref. Code	Beschreibung
IVA20012	25492	SCOTT SPRAY CHAMBER
IVA20014		SCOTT SPRAY CHAMBER for concentric nebulizer
IVA20015		SCOTT SPRAY CHAMBER, WATER COOLED



4.10. Nebulizers

Part No.	Ref. Code	Beschreibung
IVA50070		CONCENTRIC NEBULIZER, C-TYPE, 1.0l/min Ar
IVA50092		FXED CROSSFLOW NEBULIZER
IVA51010		GLASS V-GROOVE NEBULIZER
IVA51050		BABBINGTON V-GROOVE NEBULIZER

4.5 Baird AFS-2000

4.5.1 Torches und Accessories

Part No.	Ref. Code	Beschreibung
IVA20010	75145	TORCH, LOW FLOW DEMOUNTABLE
IVA20011	75129	PSX LOW FLOW HF/CR TORCH

5 Thermo Finnigan

5.1 Torches und Accessories

Part No.	Ref. Code	Beschreibung
IVA85005		STANDARD TORCH, TS SOLA
IVA85006		STANDARD TORCH, ELEMENT
IVA85008		DEMOUNTABLE TORCH, TS SOLA
IVA85009		QUARTZ INJECTOR, TS SOLA
IVA85010		TORCH & INJECTOR, TS SOLA
IVA85012		DEMOUNTABLE TORCH, ELEMENT
IVA85013		Injection Kit: includes quartz removable injector (IVA85014) und Teflon injector support body
IVA85014		Injection Kit – Qtz Only: includes Quartz removable injector only
IVA85025		QUARTZ BONNET FOR DEMOUNTABLE TORCH, ELEMENT
IVA85026		QUARTZ BONNET FOR DEMOUNTABLE TORCH, ELEMENT, LONG
IVA85210		QUARTZ INJECTOR, ELEMENT



5.2 Spray Chambers and Accessories

Part No.	Ref. Code	Beschreibung
IVA85015		SCOTT SPRAY CHAMBER, PYREX, WATER COOLED, TS SOLA
IVA85016		SCOTT SPRAY CHAMBER, QUARTZ, WATER COOLED, TS SOLA
IVA85017		SCOTT SPRAY CHAMBER, PYREX, WATER COOLED, ELEMENT
IVA85018		SCOTT SPRAY CHAMBER, QUARTZ, WATER COOLED, ELEMENT
IVA85019	1127121	FINNIGAN NEPTUNE SPRAY CHAMBER
IVA85031		BALL & SOCKET ELBOW, PYREX
IVA85032		BALL & SOCKET ELBOW, QUARTZ

6 Jobin Yvon

6.1 Torches and Accessories

Part No.	Ref. Code	Beschreibung
IVA15005	49.010.100	STANDARD TORCH
IVA15021		TORCH EXTENSION
IVA15025		TORCH BONNET
IVA16040	21.356.110	DEMOUNTABLE TORCH ASSEMBLY, complete
IVA16045		DEMOUNTABLE TORCH BODY ONLY
IVA16046		O-RING KIT FOR TORCH BODY
IVA16050	31.023.722	OUTER QUARTZ TUBE – RADIAL
IVA16051		QTZ OUTER DEMOUNTABLE TUBE 82.5L
IVA16052	31.023.723	INNER QUARTZ TUBE
IVA16053	31.023.724	TEFLON CENTERING RING
IVA16055	31.021.730	TEFLON INSERT
IVA16058	31.021.589	ALUMINA INJECTOR
IVA16059		QUARTZ INJECTOR
IVA16060		QUARTZ INJECTOR, 3.0mm
IVA16061	21.356.130	ALUMINA INJECTOR UND TEFLON INSERT
IVA16063	31.356.040	SHEATH GAS, GLASS
IVA16063S		160-63 WITH 12/5 SOCKET AT TOP
IVA16064	20.925.160	SHEATH GAS, PEEK
IVA16070	31.031.099	OUTER QUERTZ TUBE – AXIAL

**The use of instrument name is intended for convenience and does not imply that the products are of instrument manufacturer origin*



6.2 Spray Chambers und Accessories

Part No.	Ref. Code	Beschreibung
IVA15012		SCOTT SPRAY CHAMBER, 12mm DRAIN
IVA15012Q		QTZ SCOTT SPRAY CHAMBER, 12mm DRAIN
IVA15013		CYCLONIC SPRAY CHAMBER AXIAL
IVA15014	31.026.996	SCOTT SPRAY CHAMBER, ground joint drain
IVA15014Q		QTZ SCOTT SPRAY CHAMBER, ground joint drain
IVA15015	31.030.809	CYCLONIC SPRAY CHAMBER, 4mm DRAIN
IVA15015B	31.030.809	CYCLONIC SPRAY CHAMBER, 4mm DRAIN, Baffled
IVA15016		SCOTT SPRAY CHAMBER, 12mm dr. for con.neb.
IVA15017		CYCLONIC SPRAY CHAMBER 12mm DRAIN
IVA16065	31.026.997	U-DRAIN TRAP

6.3 Nebulizers

Part No.	Ref. Code	Beschreibung
IVA50070	47.929.001	CONCENTRIC NEB., C1, 1.0l/min Ar @35psi
IVA50070P	47.929.001	C-TYPE CONCENTRIC NEBULIZER, 1 lpm Ar, 50psi, 1mL/min
IVA50071	47.929.002	C-TYPE CONCENTRIC NEBULIZER, 1 lpm Ar, 30psi, 2mL/min
IVA50072	47.929.003	C-TYPE CONCENTRIC NEBULIZER, 1 lpm Ar, 30psi, 3mL/min
IVA50073P	47.929.004	C-TYPE CONCENTRIC NEBULIZER, 1 lpm Ar, 50psi, 0,5mL/min
IVA50092	47.929.008	FIXED CROSSFLOW NEBULIZER

7 Perkin Elmer®

7.1 Perkin Elmer® Plasma 1000, 2000

7.1.1 Torches und Accessories

Part No.	Ref. Code	Beschreibung
IVA31003	N058-0528	DEMOUNTABLE TORCH TUBE, TYPE II
IVA31003W	N068-1690	DEMOUNTABLE TORCH TUB., type II wear metals
IVA31024	N058-2235	QUARTZ BONNET
IVA31035	N058-2248	INJECTOR SUPPORT ADAPTER w/O'RINGS
IVA31036	N058-0539	O'RING KIT for INJECTOR SUPPORT ADAPTER
IVA32033	N068-1631	QUARTZ INJECTOR TIP, 1.2mm
IVA32034	0047-3292	QUARTZ INJECTOR TIP, 1.6mm
IVA32066	N058-1497	PURGE EXTENSION WINDOW

*The use of instrument name is intended for convenience and does not imply that the products are of instrument manufacturer origin



7.1.2 Spray Chambers und Accessories

Part No.	Ref. Code	Beschreibung
IVA30016		SPRAY CHAMBER, GLASS SCOTT
IVA30019		CYCLONIC SPRAY CHAMBER
IVA30019J		CYCLONIC SPRAY CHAMBER, WATER COOLED

7.1.3 Nebulizers

Part No.	Ref. Code	Beschreibung
IVA50070P	0047-2022	C-Type CONCENTRIC NEBULIZER, 1 lpm Ar, 50psi, 1mL/min
IVA50077	0047-2020	A-Type CONCENTRIC NEBULIZER, 1 lpm Ar, 3 0psi, 3 mL/min
IVA50080	N068-1574	CONCENTRIC NEB-, 30psi, 0.7 L/min Ar, 3mlpm

7.2 Perkin Elmer® Plasma II

7.2.1 Torches und Accessories

Part No.	Ref. Code	Beschreibung
IVA31003	N058-0528	DEMOUNTABLE TORCH TUBE, TYPE II
IVA31009	N058-0376	DEMOUNTABLE TORCH TUBE, TYPE I slotted
IVA31024	N058-2235	QUARTZ BONNET
IVA31035	N058-2248	INJECTOR SUPPORT ADAPTER w/O'RINGS
IVA31036	N058-0539	O'RING KIT for INJECTOR SUPPORT ADAPTER
IVA32030		QUARTZ INJECTOR TIP, 1.2mm TYPE I
IVA32031	N058-0449	QUARTZ INJECTOR TIP, 1.6mm TYPE I
IVA32033	N068-1631	QUARTZ INJECTOR TIP, 1.2mm
IVA32034	0047-3292	QUARTZ INJECTOR TIP, 1.6mm
IVA32066	N058-1497	PURGE EXTENSION WINDOW

**The use of instrument name is intended for convenience and does not imply that the products are of instrument manufacturer origin*



7.2.2 Spray Chambers und Accessories

Part No.	Ref. Code	Beschreibung
IVA30016		SPRAY CHAMBER, GLASS SCOTT
IVA30019		CYCLONIC SPRAY CHAMBER
IVA30019J		CYCLONIC SPRAY CHAMBER, WATER COOLED

7.2.3 Nebulizers

Part No.	Ref. Code	Beschreibung
IVA50070P	0047-2022	C-Type CONCENTRIC NEBULIZER, 1 lpm Ar, 50psi, 1mL/min
IVA50077	0047-2020	A-Type CONCENTRIC NEBULIZER, 1 lpm Ar, 3 0psi, 3 mL/min
IVA50080	N068-1574	CONCENTRIC NEB-, 30psi, 0.7 L/min Ar, 3mlpm

7.3 Perkin Elmer® Plasma 40 und 400

7.3.1 Torches und Accessories

Part No.	Ref. Code	Beschreibung
IVA31003	N058-0528	DEMOUNTABLE TORCH TUBE, TYPE II
IVA31003W	N068-1690	DEMOUNTABLE TORCH TUB., type II wear metals
IVA31009	N058-0376	DEMOUNTABLE TORCH TUBE, TYPE I slotted
IVA31035	N058-2248	INJECTOR SUPPORT ADAPTER w/O'RINGS
IVA31036	N058-0539	O'RING KIT for INJECTOR SUPPORT ADAPTER
IVA32033	N068-1631	QUARTZ INJECTOR TIP, 1.2mm
IVA32034	0047-3292	QUARTZ INJECTOR TIP, 1.6mm
IVA32060	N068-1234	PURGE EXTENSION

7.3.2 Spray Chambers und Accessories

Part No.	Ref. Code	Beschreibung
IVA30016		SPRAY CHAMBER, GLASS SCOTT
IVA30019		CYCLONIC SPRAY CHAMBER
IVA30019J		CYCLONIC SPRAY CHAMBER, WATER COOLED
IVA30019Q		QTZ CYCLONIC SPRAY CHAMBER

**The use of instrument name is intended for convenience and does not imply that the products are of instrument manufacturer origin*



7.3.3 Nebulizers

Part No.	Ref. Code	Beschreibung
IVA50070P	0047-2022	C-Type CONCENTRIC NEBULIZER, 1 lpm Ar, 50psi, 1mL/min
IVA50077	0047-2020	A-Type CONCENTRIC NEBULIZER, 1 lpm Ar, 3 0psi, 3 mL/min
IVA50080	N068-1574	CONCENTRIC NEB-, 30psi, 0.7 L/min Ar, 3mlpm

7.4 Perkin Elmer® ICP Elan 5000, 5500, 5500B, 6000 und 6500

7.4.1 Torches und Accessories

Part No.	Ref. Code	Beschreibung
IVA30005	0047-2048	TORCH, ONE PIECE, with BALL JOINT
IVA30021	0047-3052	TORCH EXTENSION
IVA30022		TORCH EXTENSION with OPTICAL PORT
IVA30023	0047-3560	TORCH EXTENSION, SLOTTED
IVA30025	0047-2033	TORCH BONNET
IVA31003	N058-0528	DEMOUNTABLE TORCH TUBE, TYPE II
IVA31007	N058-0233	DEMOUNTABLE TORCH TUBE
IVA32030		QUARTZ INJECTOR TIP, 1.2mm TYPE I
IVA32031	N058-0449	QUARTZ INJECTOR TIP, 1.6mm TYPE I
IVA32032		QUARTZ SAMPLE INJECTOR TUBE 2.0 TYPE I
IVA32033	N068-1631	QUARTZ INJECTOR TIP, 1.2mm
IVA32034	0047-3292	QUARTZ INJECTOR TIP, 1.6mm
IVA32062	0047-3187	PURGE TUBE
IVA32064	0047-3561	PURGE TUBE FOR SLOTTED EXTENSION

7.4.2 Spray Chambers und Accessories

Part No.	Ref. Code	Beschreibung
IVA30012	0047-2047	SPRAY CHAMBER, GLASS SCOTT
IVA30014		SPRAY CHAMBER, GLASS SCOTT, for conc. neb.
IVA51026		SPRAY CHAMBER CYCLONIC
IVA510026J		SPRAY CHAMBER CYCLONIC,water-cooled

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7.4.3 Nebulizers

Part No.	Ref. Code	Beschreibung
IVA50070P	0047-2022	C-Type CONCENTRIC NEBULIZER, 1 lpm Ar, 50psi, 1mL/min
IVA50077	0047-2020	A-Type CONCENTRIC NEBULIZER, 1 lpm Ar, 3 0psi, 3 mL/min
IVA50080	N068-1574	CONCENTRIC NEB-, 30psi, 0.7 L/min Ar, 3mlpm

7.5 Perkin Elmer® Optima 3000 Serie RL

7.5.1 Torches und Accessories

Part No.	Ref. Code	Beschreibung
IVA31004	N069-0568	TORCH BODY, OPTIMA
IVA31004W		TORCH TUBE FOR OPTIMA WEAR METALS
IVA31005	N069-5295	TORCH BONNET, FLAT EDGE, Optimas bef. 9/94
IVA31013	N069-5456	Torch Bonnet, Flat Edge (Optima post 9/94)
IVA31035	N058-2248	INJECTOR SUPPORT ADAPTER w/O'RINGS
IVA32033	N068-1631	QUARTZ INJECTOR TIP, 1.2mm
IVA32040	N069-5441	QUARTZ SAMPLE INJECTOR, 2.0mm
IVA32043	N069-5448	QUARTZ SAMPLE INJECTOR, 1.6mm
IVA32051	N812-6039	ALUMINA INJECTOR for ELAN
IVA32052	N812-6040	ALUMINA INJECTOR for ELAN
IVA32053	N812-6041	ALUMINA INJECTOR for ELAN
IVA32066	N058-1497	PURGE EXTENSION WINDOW

7.5.2 Spray Chambers und Accessories

Part No.	Ref. Code	Beschreibung
IVA30015		SPRAY CHAMBER, TOP PORT ANGLED
IVA30016		SPRAY CHAMBER, GLASS SCOTT
IVA30019		CYCLONIC SPRAY CHAMBER

7.5.3 Nebulizers

Part No.	Ref. Code	Beschreibung
IVA50070P	0047-2022	C-Type CONCENTRIC NEBULIZER, 1 lpm Ar, 50psi, 1mL/min
IVA50077	0047-2020	A-Type CONCENTRIC NEBULIZER, 1 lpm Ar, 3 0psi, 3 mL/min
IVA50080	N068-1574	CONCENTRIC NEB-, 30psi, 0.7 L/min Ar, 3mlpm

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7.6 Perkin Elmer® Optima 3000 Serie XL und SC(X)

7.6.1 Torches und Accessories

Part No.	Ref. Code	Beschreibung
IVA31011	N069-5379	TORCH BODY, OPTIMA xl
IVA31011W		OPTIMA XL TORCH TUBE AWAR METALS
IVA31015	N069-1664	TORCH BONNET
IVA31039	N069-0780	INJECTOR SUPPORT ADAPTER w/O'RINGS
IVA32041	N069-5442	QUARTZ SAMPLE INJECTOR, 2.0mm
IVA32044	N069-5449	QUARTZ SAMPLE INJECTOR, 1.6mm
IVA32046	N069-5460	QUARTZ SAMPLE INJECTOR, 1.2mm
IVA32050	N069-5362	ALUMINA INJECTOR for OPTIMA XL/DV
IVA32065		Purge Viewing Window - XL

7.6.2 Spray Chambers und Accessories

Part No.	Ref. Code	Beschreibung
IVA31018DV	N812-2188	CYCLONIC SPRAY CHAMER, 11.3 mm Exit
IVA31038	N069-0769	O-RING KIT FOR OPTIMA XL/DV

7.6.3 Nebulizers

Part No.	Ref. Code	Beschreibung
IVA50070P	0047-2022	C-Type CONCENTRIC NEBULIZER, 1 lpm Ar, 50psi, 1mL/min
IVA50077	0047-2020	A-Type CONCENTRIC NEBULIZER, 1 lpm Ar, 3 0psi, 3 mL/min
IVA50080	N068-1574	CONCENTRIC NEB-, 30psi, 0.7 L/min Ar, 3mlpm



7.7 Perkin Elmer 3000 Serie DV

7.7.1 Torches und Accessories

Part No.	Ref. Code	Beschreibung
IVA31012		OPTIMA DV TORCH TUBE 2 TOP SLOTS
IVA31012W		310-12 WEAR METALS
IVA31014	N069-1662	TORCH BODY, DV 1 SLOT
IVA31014W		OPTIMA DV WEAR METALS TORCH
IVA31014/3SL		OPTIMA DV TORCH, 3 SLOTS
IVA31015	N069-1664	TORCH BONNET
IVA31037		INJECTOR HOLDER DV
IVA31039	N069-0780	INJECTOR SUPPORT ADAPTER w/O'RINGS
IVA32041	N069-5442	QUARTZ SAMPLE INJECTOR, 2.0mm
IVA32044	N069-5449	QUARTZ SAMPLE INJECTOR, 1.6mm
IVA32046	N069-5460	QUARTZ SAMPLE INJECTOR, 1.2mm
IVA32048	N069-5461	QUARTZ INJECTOR 0.8 mm XL/DV
IVA32050	N069-5362	ALUMINA INJECTOR for OPTIMA XL/DV
IVA32067	N069-1646	PURGE TUBE, DV
IVA32068	N069-1678	PURGE TUBE WINDOW, AXIAL
IVA32069	N069-1689	PURGE TUBE WINDOW, RADIAL
IVA32073	N069-0672	PURGE TUBE WINDOW, RADIAL, SHORT

7.7.2 Spray Chambers und Accessories

Part No.	Ref. Code	Beschreibung
IVA30018DVJ		CYCLONIC SPRAY CHAMBER, 11.3 mm Exit, Water-Cooled
IVA30018DVQ		CYCLONIC SPRAY CHAMBER, 11.3 mm Exit, Quartz
IVA31018DV	N812-2188	CYCLONIC SPRAY CHAMER, 11.3 mm Exit
IVA31038	N069-0769	O-RING KIT FOR OPTIMA XL/DV

7.7.3 Nebulizers

Part No.	Ref. Code	Beschreibung
IVA50070P	0047-2022	C-Type CONCENTRIC NEBULIZER, 1 lpm Ar, 50psi, 1mL/min
IVA50077	0047-2020	A-Type CONCENTRIC NEBULIZER, 1 lpm Ar, 3 0psi, 3 mL/min
IVA50080	N068-1574	CONCENTRIC NEB-, 30psi, 0.7 L/min Ar, 3mlpm

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7.8 Perkin Elmer® Optima 2100 / 4300 / 5300 / 7300DV

7.8.1 Torches und Accessories

Part No.	Ref. Code	Beschreibung
IVA31016	N077-0338	TORCH BODY, OPTIMA 2X00/4X00/5X00,7X00 DV – 1 Slot
IVA31016W		TORCH BODY, OPTIMA 2X00/4X00/5X00/7X00DV, 1 Slot Wear Metals
IVA31016/3SL	N077-2005	TORCH BODY, OPTIMA 2X00/4X00/5X00,7X00 – 3 Slot
IVA31016W/3SL	N077-2008	TORCH BODY, Extended Life Organic Analysis 2X00/4X00/5X00/7X00 DV, 3 Slot Wear Metals
IVA31018	N077-0344	TORCH BODY, SHORT VERSION
IVA31019	N077-0343	TORCH BODY, NO SLOT
IVA31025	N077-5289	TORCH BONNET
IVA31020	N077-5297	COPPER FOIL 2X00/4X00/5X00/7X00 DV
IVA31040	N077-5227	ALUMINIA INJECTOR, 0.8mm
IVA31041	N077-5228	ALUMINIA INJECTOR, 1.2mm
IVA31042	N077-5177	ALUMINIA INJECTOR, 2.0mm
IVA31043	N077-0437	O'RING KIT FOR TORCH
IVA32071	B081-0377	RADIAL PURGE WINDOW, 2X00 DV
IVA32074	N077-5014	QUARTZ INJECTOR, 2.0mm
IVA32075	N077-5224	QUARTZ INJECTOR, 3.0mm
IVA32076	N077-5223	QUARTZ INJECTOR, 1.6mm
IVA32077	N077-5226	QUARTZ INJECTOR, 1.2mm
IVA32078	N0775225	QUARTZ INJECTOR, 0.8mm
IVA32080	N077-0322	RADIAL PURGE WINDOW, 4X00 DV
IVA32081	N077-0944	RADIAL PURGE TUBE, FROSTED

7.8.2 Spray Chambers und Accessories

Part No.	Ref. Code	Beschreibung
IVA30028		NEB. ADAPTER for CYCLONIC SPRAY CHAMBER
IVA30029	N077-6052 (Chamber only) N077-0605 (KIT, Chamber with Adapter)	CYCLONIC SPRAY CHAMBER 2X00/4X00/5X00/7X00/8X00, no BAFFLE with neb. adapter
IVA30029Q		CYCLONIC SPRAY CHAMBER, no BAFFLE with neb. adapter
IVA30030	N077-6053	CYCLONIC SPRAY CHAMBER, BAFFLED with neb. adapter
IVA30030Q		CYCLONIC SPRAY CHAMBER, BAFFLED, QUARTZ
IVA30031	N077-6090	CYCLONIC SPRAY CHAMBER, 4mm BAFFLE

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7.8.3 Nebulizers

Part No.	Ref. Code	Beschreibung
IVA50070P	0047-2022	C-Type CONCENTRIC NEBULIZER, 1 lpm Ar, 50psi, 1mL/min
IVA50071	0047-2022	C-TYPE CONCENTRIC NEBULIZER, 1 lpm Ar, 30psi, 2mL/min
IVA50071QDAC	N0773195	C-TYPE CONCENTRIC NEBULIZER, 1 lpm Ar, 30psi, 2mL/min, Quick Disconnect, Argon Connect
IVA50077	0047-2020	A-Type CONCENTRIC NEBULIZER, 1 lpm Ar, 3 0psi, 3 mL/min
IVA50080	N068-1574	CONCENTRIC NEB-, 30psi, 0.7 L/min Ar, 3mlpm

7.9 Perkin Elmer® OPTIMA 4300V / 5300V / 7300V

7.9.1 Torches und Accessories

Part No.	Ref. Code	Beschreibung
IVA31017	N077-1500	TORCH BODY, RADIAL, 4300V/5300V/7300V
IVA31017W	N077-1561	TORCH BODY, Extended Li fe Organics Analysis, 4300V/5300V/7300V
IVA31045	N077-0916	O-Ring Kit Torch Assembly 4300V/5300V/7300V
IVA32044	N069-5449	QUARTZ SAMPLE INJECTOR, 1.6mm
IVA32046	N069-5460	QUARTZ SAMPLE INJECTOR, 1.2mm
IVA32048	N069-5461	QUARTZ INJECTOR 0.8 mm XL/DV
IVA32054	N077-1531	Alumina injector for Perkin Elmer 4300V/5300V/7300V

7.9.2 Spray Chambers und Accessories

Part No.	Ref. Code	Beschreibung
IVA30032	N077-1501	CYCLONIC SPRAY CHAMBER, BAFFLED, 4300V

7.9.3 Nebulizers

Part No.	Ref. Code	Beschreibung
IVA50070P	0047-2022	C-Type CONCENTRIC NEBULIZER, 1 lpm Ar, 50psi, 1mL/min
IVA50071	0047-2022	C-TYPE CONCENTRIC NEBULIZER, 1 lpm Ar, 30psi, 2mL/min
IVA50077	0047-2020	A-Type CONCENTRIC NEBULIZER, 1 lpm Ar, 3 0psi, 3 mL/min
IVA50080	N068-1574	CONCENTRIC NEB-, 30psi, 0.7 L/min Ar, 3mlpm

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7.10 Perkin Elmer® OPTIMA 8300DV

7.10.1 Torches und Accessories

Part No.	Ref. Code	Beschreibung
IVA31021	N078-1097	Copper Foilt Optima 8x00 DV (1 2 p kg)
IVA31046	N0781009	ALUMINIA INJECTOR 0.8 mm 8x00 DV
IVA31047	N078-1015	ALUMINIA INJECTOR 1.2 mm 8x00 DV
IVA31048	N078-1014	ALUMINIA INJECTOR 2.0 mm 8x00 DV (standard injector)
IVA31051	N078-0130	Quartz Torch 1 slot Optima 8x00 DV
IVA31051/0SL	N078-0133	Quartz Torch 0 slot Optima 8x00 DV
IVA31051/3SL	N078-0132	Quartz Torch 3 slost Optima 8x00 DV
IVA31051W/3SL	N078-2034	Quartz Torch 3 slots, Exdended Life Organics Analysis Optima 8x00 DV
IVA32065	N078-2034	Purge Viewing Window - XL
IVA32067	B006-6549 N077-1116	PURGE TUBE WINDOW, AXIAL
IVA32073	N069-0672	PURGE TUBE WINDOW, RADIAL, SHORT
IVA32081	N077-0944	RADIAL PURGE TUBE, FROSTED
IVA32090	N078-1018	QUARTZ INJECTOR 0.8 mm 8x00DV
IVA32091	N078-1019	QUARTZ INJECTOR 1.2 mm 8x00DV
IVA32092	N078-1016	QUARTZ INJECTOR 1.6 mm 8x00DV
IVA32093	N078-1050 Alt.31-808-3258	QUARTZ INJECTOR 2.0 mm 8x00DV
IVA32094	N078-1017	QUARTZ INJECTOR 3.0 mm 8x00DV

7.10.2 Spray Chambers und Accessories

Part No.	Ref. Code	Beschreibung
IVA30029	N077-6052	CYCLONIC SPRAY CHAMBER, no BAFFLE with neb. adapter
IVA30030	N077-6053	CYCLONIC SPRAY CHAMBER, BAFFLED with neb. adapter
IVA30031	N077-6090	CYCLONIC SPRAY CHAMBER, 4mm BAFFLE

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7.10.3 Nebulizers

Part No.	Ref. Code	Beschreibung
IVA50065QDAC	N0775345	CONCENTRIC NEBULIZER AeroIVAlt High-Solids, 0.7 l p m Ar, 3 0psi, 2 mL/min, Quick disconnect, Argon connect
IVA50077	0047-2020	A-Type CONCENTRIC NEBULIZER, 1 lpm Ar, 3 0psi, 3 mL/min
IVA50080	N068-1574	CONCENTRIC NEB-, 30psi, 0.7 L/min Ar, 3mlpm
IVA50081	N0777707	K-Type CONCENTRIC NEBULIZER, 0.7 lpm Ar, 3 0psi, 1 mL/min
IVAPMM4000	N0775330	PEEK Mira Mist Nebulizer, 0.2 – 2.5 mL/min, 45psi, works for nearly all Samples except concentrated acids und some organic solvents

7.11 Perkin Elmer® Sciex ELAN 250 / 500

7.11.1 Torches und Accessories

Part No.	Ref. Code	Beschreibung
IVA32033	N068-1631	QUARTZ INJECTOR TIP, 1.2mm
IVA32034	0047-3292	QUARTZ INJECTOR TIP, 1.6mm
IVA32035	N812-0529	QUARTZ INJECTOR, 2.0mm
IVA40005	N810-2001	SHORT FORM TORCH 135mm overall length
IVA40007	N810-2006	LONG FORM TORCH 151mm overall length
IVA40009		LONG FORM TORCH 150mm overall length
IVA40025		TORCH BONNET

7.12 Perkin Elmer® Sciex ELAN 5000 / 6x00 / 9000 DRCII

7.12.1 Torches und Accessories

Part No.	Ref. Code	Beschreibung
IVA32033	N068-1631	QUARTZ INJECTOR TIP, 1.2mm
IVA32034	0047-3292	QUARTZ INJECTOR TIP, 1.6mm
IVA32035	N812-0529	QUARTZ INJECTOR, 2.0mm
IVA32051	N812-6039	ALUMINA INJECTOR for ELAN
IVA32052	N812-6040	ALUMINA INJECTOR for ELAN
IVA32053	N812-6041	ALUMINA INJECTOR for ELAN
IVA40010	N812-2006	TORCH BODY, ELAN

*The use of instrument name is intended for convenience and does not imply that the products are of instrument manufacturer origin



IVA40010HE	W100-8384	TORCH BODY High Efficiency, ELAN 5000 / 6x00 / 9000 / DRC II
IVA40030	WE02-3948	INJECTOR, 6100DRC, 2.0mm
IVA40031	WE02-7030	QUARTZ INJECTOR, 6100DRC & DRC II 0,85 m
IVA40032	WE02-7005	QUARTZ INJECTOR, 6100DRC & DRC II 1,5 m
IVA40035	N812-0116	INJECTOR SUPPORT/TORCH BASE
IVA40037	WE023951	INJECTOR SUPPORT

7.12.2 Spray Chambers und Accessories

Part No.	Ref. Code	Beschreibung
IVA30019MS	N812-0150	CYCLONIC SPRAY CHAMBER
IVA30019MSJ		CYCLONIC SPRAY CHAMBER, WATER COOLED
IVA30019MSQ		QTZ CYCLONIC SPRAY CHAMBER
IVA30019QSMJ		CYCLONIC SPRAY CHAMBER, QUARTZ
IVA30019MSQB		QTZ CYCLONIC SPRAY CHAMBER, BAFFLED
IVA40012	N810-2031	SCOTT SPRAY CHAMBER
IVA40013		SCOTT SPRAY CHAMBER, QUARTZ
IVA40014		SCOTT SPRAY CHAMBER, Water Cooled
IVA40016		SCOTT SPRAY CHAMBER, Water Cooled, Quartz
IVA40020	WE02-5221	CYCLONIC SPRAY CHAMBER, 6100DRC, QUARTZ
IVA40020J		CYCLONIC SPRAY CHAMBER, 6100DRC, Jack, QUARTZ
IVA40036	N812-0100	SCIEX O-RING ADAPTER KIT
IVA40038		O-RING KIT FOR THE INJECTOR SUPPORT (IVA40037)

7.12.3 Nebulizers

Part No.	Ref. Code	Beschreibung
IVA50070M	N810-2012	C-Type CONCENTRIC NEBULIZER, 1 lpm Ar, 30psi, 0.1m-0.4L/min
IVA50070MP	N810-5012	C-Type CONCENTRIC NEBULIZER, 1 lpm Ar, 50psi, 0.5 mL/min
IVA50070QQDAC		C-Type CONCENTRIC NEBULIZER, 1 lpm Ar, 30psi, 1mL/min, Quartz, Quick disconnect, Argon connect
IVA50072	0047-2022	CONCENTRIC NEB., 30psi, 1L/min Ar, 3mlpm
IVA50075MPQ	N814-5011	A-Type CONCENTRIC NEB., 1 lpm Ar, 50psi, 0.5 mL/min, Quartz
IVA50077Q	WE02-4371	A-Type CONCENTRIC NEB., 1 lpm Ar, 30psi, 3mL/min, Quartz
IVA50080	N068-1574	CONCENTRIC NEB., 30psi, 0.7 L/min Ar, 3mlpm



7.13 Perkin Elmer® NexION

7.13.1 Torches und Accessories

Part No.	Ref. Code	Beschreibung
IVA32033	N068-1631	QUARTZ INJECTOR TIP, 1.2mm
IVA32034	0047-3292	QUARTZ INJECTOR TIP, 1.6mm
IVA32035	N812-0529	QUARTZ INJECTOR, 2.0mm
IVA32051	N812-6039	ALUMINA INJECTOR for ELAN
IVA32052	N812-6040	ALUMINA INJECTOR for ELAN
IVA32053	N812-6041	ALUMINA INJECTOR for ELAN
IVA40010	N812-2006	TORCH BODY, ELAN
IVA40010HE	W100-8384	TORCH BODY, HIGH EFFICIENCY
IVA40030	WE02-3948	INJECTOR 2.0mm
IVA40031	WE02-7030	QUARTZ INJECTOR I 0,85 m
IVA40032	WE02-7005	QUARTZ INJECTOR I 1,5 m

7.13.2 Spray Chambers und Accessories

Part No.	Ref. Code	Beschreibung
IVA40021	N814-5014	CYCLONIC SPRAY CHAMBER, O-Ring Free
IVA40021Q	N814-5013	Quartz CYCLONIC SPRAY CHAMBER, O-ring Free

7.13.3 Nebulizers

Part No.	Ref. Code	Beschreibung
IVA50070MP	N810-5012	C-Type CONCENTRIC NEBULIZER, 1 lpm Ar, 50psi, 0.5 mL/min
IVA50075MPQ	N814-5011	A-Type CONCENTRIC NEB., 1 lpm Ar, 50psi, 0.5 mL/min, Quartz



8 Spectro

8.1 Torches

8.1.1 SOP Torches

Part No.	Ref. Code	Beschreibung
IVA75005	75060596	TORCH, SPECTROFLAME STANDARD - 1.8mm
IVA75005F	75160596	TORCH, SPECTROFLAME STANDARD w. Fittings, 1.8mm
IVA75005W		TORCH, SPECTROFLAME Organics - 1.8mm
IVA75005WF	75360521	TORCH, SPECTROFLAME Organics w. Fittings, 1.8mm
IVA75006	48206002	DEMOUNTABLE, SPECTROFLAME
IVA75007	48205001	TORCH, 1.0mm
IVA75008		TORCH, 2.5mm
IVA75049		SOP FIXED SHEAT GAS SYSTEM TORCH, 3.0mm
IVA75049F	75260533	SOP FIXED SHEAT GAS SYSTEM TORCH, 3.0mm, w. fittings

8.1.2 EOP Torches

Part No.	Ref. Code	Beschreibung
IVA75040	48105052	EOP FLARED END TORCH, 2.5mm
IVA75040F	75160526	EOP FLARED END TORCH, 2,5 mm
IVA75041		EOP FLARED END TORCH, 1.8mm
IVA75041F	75160592	EOP FLARED END TORCH, 1.8mm with Fittings
IVA75042		DEMOUNTABLE EOP TORCH
IVA75044		DEMOUNTABLE EOP FLAIED END RORCH
IVA75047		EOP Fixed SHEATH GAS SYSTEM TORCH, 1,8 mm
IVA7547F	75160549	EOP Fixed SHEATH GAS SYSTEM TORCH, 1,8 mm w.fittings
IVA75048	75160537	EOP FIXED SHEATH GAS SYSTEM TORCH
IVA75048F	75160537	EOP FIXED SHEATH GAS SYSTEM TORCH, 3,0 mm w.fittings
IVA75061DV		Quartz Torch for Spectro Blue TI (twin), teilzerlegbar
IVA75072		Quarzinjektor 1.8 mm, SpectroBlue
IVA75061DVKIT	71509310	Dual View Torch Kit (Torch, Injektor, Adapter)



8.1.3 Torch Accessories

Part No.	Ref. Code	Beschreibung
IVA45018L	44503001	CLAMP 12/5, Stainless Steel, with Lock
IVA75021	48105008	QUARTZ INJECTOR TUBE 1.5mm
IVA75022	48105010	QUARTZ INJECTOR TUBE 1.8mm
IVA75023	48105009	QUARTZ INJECTOR TUBE 2.5mm
IVA75046	48105058	SPECTRO INJECTOR 2.5
IVA75055	Female 44302077 Male 44302072	GAS FITTING ADAPTER

8.2 Spray Chambers und Accessories

Part No.	Ref. Code	Beschreibung
IVA75010		SLURRY SPRAY CHAMBER
IVA75012	48105003	SMALL UPWARD CONICAL SPRAY CHAMBER
IVA75013		SCOTT SPRAY CHAMBER, DOUBLE PASS, 90° EXIT
IVA75014	48105006	LARGE DOUBLE PASS SPRAY CHAMBER
IVA75015		CYCLONIC SPRAY CHAMBER, 13mm DRAI
IVA75016		CYCLONIC SPRAY CHAMBER, MLN, 13mm DRAI
IVA75017		ELBOW ADAPTER, EOP TORCH to spray chamber
IVA75018		ELBOW ADAPTER SLURRY, EOP TORCH to spr: cha.
IVA75027	48105061 Alt. ML175026EOP	MODIFIED LICHTE CYCLONIC SPRAY CHAMBER, PUMP DRAIN
IVA75030		DRAIN/PRESSURE LOCK

8.3 Nebulizers

Part No.	Ref. Code	Beschreibung
IVA50070	76060510	C-TYPE CONCENTRIC NEB., 1 lpm Ar, 30psi, 1mL/min
IVA50092S	75060502	FIXED CROSS-FLOW NEBULIZER
IVA51020S		MODIFIED LICHTE NEBULIZER (MLN)
IVA51020SF	76060529	MODIFIED LICHTE MDSN NEBULIZER, 1 lpm Ar, with fittings
IVA52030S		KYNAR® END CAP for 34mm open end Spray Chamb.
IVA52032S		O'RING FOR 500-92S
IVA75093		O'RING FOR CROSSFLOW NEBULIZER OEM REPL.

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9 Thermo

9.1 Thermo TJA 2000-2400 Series

9.1.1 Torches und Accessories

Part No.	Ref. Code	Beschreibung
IVA25008	190400-73	Torch
IVA25025	190400-75	Torch bonnet

9.1.2 Spray Chambers und Accessories

Part No.	Ref. Code	Beschreibung
IVA12056		O'ring kit for 510-26
IVA25016	127947-00	Spray chamber - Standard
IVA25030	3952-00	Aerosol baffle for 250-12, 250-16, 250-18 & 250-19
IVA28501		Rinse Station 1 Port, 12mm
IVA28502		Rinse Station 2 Port, 12mm
IVA28503		Rinse Station 2 Port, 23mm
IVA51026		Cyclonic spray chamber

9.1.3 Nebulizers

Part No.	Ref. Code	Beschreibung
IVA50092	126989-00	Cross flow nebulizer
IVA52036	133202-50	O-ring kit for 500-92
IVA52038		Crossflow Argon Inlet Fitting



9.2 Thermo TJA 975, 9000, 61 und 1100

9.2.1 Torches und Accessories

Part No.	Ref. Code	Beschreibung
IVA25005	190400-54	Torch with removable 1.0mm TIP
IVA25005A		Torch with 1 extra 1.0mm injector
IVA25005B		Demountable Torch with 2 Extra Removable 1.0mm Tips
IVA25005C		Demountable Torch with 3 Extra Removable 1.0mm Tips
IVA25005W		Demountable Torch with Removable 1.0mm Tip, Wear Metals
IVA25006		Torch with 1.25mm injector
IVA25006A		Demountable Torch with Extra Removable 1.25mm Tip
IVA25006B		Demountable Torch with 2 Extra Removable 1.25mm Tips
IVA25006W		Demountable Torch with Removable 1.25mm Tip, Wear Metals
IVA25007		Torch with 1.5mm injector
IVA25007A		Demountable Torch with Extra Removable 1.5mm Tip
IVA25007B		Demountable Torch with 2 Extra Removable 1.5mm Tips
IVA25009		Torch with 1.7mm injector
IVA25021		Torch extension
IVA25022		Torch extension with optical port
IVA25025	190400-75	Torch bonnet
IVA26055		Demountable Torch with Removeable Tip, High Solids
IVA26062		TJA Standard Low Flow Torch
IVA26082		HF/CR Torch body for alumina IVApphire injector

9.2.2 Spray Chambers und Accessories

Part No.	Ref. Code	Beschreibung
IVA25012	190400-65	Spray chamber - Standard
IVA25018		Spray chamber, curved drain
IVA25020		Spray chamber, curved drain, water cooled, open ends
IVA25020R		Spray chamber, water cooled, O'ring for nebulizer
IVA25030	3952-00	Aerosol baffle for 250-12, 250-16, 250-18 & 250-19
IVA28501		Rinse Station 1 Port, 12mm
IVA28502		Rinse Station 2 Port, 12mm
IVA28503		Rinse Station 2 Port, 23mm

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9.2.3 Nebulizers

Part No.	Ref. Code	Beschreibung
IVA50092	126989-00	Cross flow nebulizer
IVA52036	133202-50	O-ring kit for 500-92
IVA52038		Crossflow Argon Inlet Fitting

9.3 Thermo – TJA 61E, Iris, Intrepid

9.3.1 Torches und Accessories

Part No.	Ref. Code	Beschreibung
IVA25040	125407-01	Injector TIP, quartz, 1.0mm
IVA25041	125407-00	Injector TIP, quartz, 1.5mm
IVA25042	136502-01	Injector TIP, quartz, 2.0mm
IVA25445		O-RING for INJECTOR TUBE
IVA26081	136436-02	Alumina Injector Tube 1.5
IVA26083	136436-01	Alumina Injector, 1.5mm
IVA26084		Alumina Injector, 1.0mm
IVA27506	126432-02	Ceramic base torch, high/low flow w/injector 1.5mm
IVA27506W/O	126440-02	Ceramic Base Torch, High/Low Flow without Injector
IVA27507	126432-01	Ceramic base torch, high flow w/injector 1.5mm
IVA27507HF	127179-01	High Flow radial w/alumina injector
IVA27507W/O	126440-02	Ceramic base torch, high/flow without Injector
IVA27508	125124-01	Ceramic base torch, high flow w/injector 1.0mm
IVA27508W/O	126440-01	Ceramic base torch, high/flow without Injector
IVA27509	12643204	Slotted High Flow Radial Injector Support
IVA27509W/O	12644006	Slotted High Flow Torch w/out Inj
IVA27520		TJA Teflon Adapter, Torch
IVA27525	85207-00	Anti-arc cap
IVA27526	85207-01	Anti-arc cap, flat edge
IVA27535		Argon fittings for ceramic base torches

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9.3.2 Spray Chambers und Accessories

Part No.	Ref. Code	Beschreibung
IVA25019	130089-00	Spray chamber, open end
IVA25030	3952-00	Aerosol baffle for 250-12, 250-16, 250-18 & 250-19
IVA27514	139663-00	Cyclonic spray chamber, radial, pump
IVA27518	140542-00	Cyclonic Spray chamber, radial, pump
IVA27519	136105-00	Cyclonic spray chamber, w/12mm drain
IVA27519J		Cyclonic spray chamber, water jacket, w/12mm drain
IVA27521	139219-00	Conical Spray Chamber
IVA27553	139123-00	Jacketed Conical Spray Chamber
IVA28501		Rinse Station 1 Port, 12mm
IVA28502		Rinse Station 2 Port, 12mm
IVA28503		Rinse Station 2 Port, 23mm

9.3.3 Nebulizers

Part No.	Ref. Code	Beschreibung
IVA50080	134365-00	Concentric nebulizer, K type, 0.7 L/min Ar @ 35psi
IVA50092	126989-00	Cross flow nebulizer
IVA51010	140094-00	V-Groove high solids nebulizer
IVA52030		Kynar end cap for use with open end spray chambers
IVA52036	133202-50	O'ring kit for IVA50092
IVA52038		Crossflow Argon Inlet Fitting



9.4 Thermo – TJA61E Trace, Iris AP, Intrepid

9.4.1 Torches und Accessories

Part No.	Ref. Code	Beschreibung
IVA25023		Torch Optic Sleeve - DV
IVA25024		Seal for Optic Sleeve - Duo Torch
IVA25026	138563-00	Duo Torch Sleeve und Seal Kit
IVA25040	125407-01	Injector TIP, quartz, 1.0mm
IVA25041	125407-00	Injector TIP, quartz, 1.5mm
IVA25042	136502-01	Injector TIP, quartz, 2.0mm
IVA25043	136502-02	Injector TIP, quartz, 2.4mm
IVA26081	136436-02	Alumina Injector Tube 1.5
IVA26083	136436-01	Alumina Injector, 1.5mm
IVA26084		Alumina Injector, 1.0mm
IVA27510	126432-03	Ceramic base torch, w/injector TIP 1.5mm
IVA27510W/O	126440-03	Ceramic base torch, Trace, without injector
IVA27510HF		Ceramic base torch, Trace, with 1.5mm Alumina injector
IVA27510DV	138562-00	Ceramic base torch – DV, w/injector TIP 1.5mm
IVA27510DVKIT	138562-00	Ceramicbase torch –DV, w/injector TIP 1.5mm, Optic Sleeve & S
IVA27510DVWO	126440-05	Ceramic base torch - DV, without injector

9.4.2 Spray Chambers und Accessories

Part No.	Ref. Code	Beschreibung
IVA25019	130089-00	Spray chamber, open end
IVA25030	3952-00	Aerosol baffle for 250-12, 250-16, 250-18 & 250-19
IVA27513	139662-00	Cyclonic Spray Chamber, Axial, Pump
IVA27515	134620-00	Cyclonic spray chamber, w/12mm drain
IVA27516	136120-00	2 piece cyclonic spray chamber, w/12mm drain
IVA27517	144515-00	Cyclonic spray chamber, Axial, Gravity Drain
IVA28501		Rinse Station 1 Port, 12mm
IVA28502		Rinse Station 2 Port, 12mm
IVA28503		Rinse Station 2 Port, 23mm

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9.4.3 Nebulizers

Part No.	Ref. Code	Beschreibung
IVA50065QDAC	8423 120 51331	Concentric AeroVAIt (high solids) nebulizer, 0.7 L/min Ar, 30 psi, 2 ml/min, Quick disconnect, Argon connect
IVA50080	134365-00	Concentric nebulizer, K-type, 0.7 L/min Ar, 35psi
IVA50082QDAC	139184-00 8423 120 51431 (Thermo iCAP)	Concentric nebulizer K-type 0.7 lpm Ar, 30 psi, 2 mL/min, Quick disconnect, Argon connect
IVA50092	126989-00	Cross flow nebulizer
IVA51010	140094-00	V-Groove high solids nebulizer (Noordermeer)
IVA51010QDAC	8423 120 51321 (Thermo iCAP)	Noordermeer V-Groove MDSN Nebulizer, 0.71 lpm, Quick disconnect, Argon connect
IVA52030		Kynar end cap for use with open end spray chambers
IVA52036	133202-50	O'ring kit for 500-92
IVA52038		Crossflow Argon Inlet Fitting

9.5 Determining the Correct Replacement TJA Ceramic Base Torch und Injector

Determining the Correct Replacement TJA Ceramic Base Torch and Injector

Follow the charts below to identify which torch and injector you have and the correct replacement part number from Precision Glassblowing.

Ceramic Base Torches

TJA Part #	Rings on Outer Tube of Torch	Rings on Injector (Center Tube)	Precision Part #
126432-02	1 Red Ring, Approx. 63mm Long Outer Tube	1.5mm Quartz Injector, 1 Red Ring	275-06
126432-01	2 Red Rings, Approx. 63mm Long Outer Tube	1.5mm Quartz Injector, 1 Red Ring	275-07
127179-01	2 Red Rings, Approx. 63mm Long Outer Tube	1.5mm Alumina Injector, No Ring	275-07HF
125124-01	2 Red Rings, Approx. 63mm Long Outer Tube	1.0mm Injector, 2 Red Rings	275-08
126432-03	2 Red Rings, Approx. 136mm Long Outer Tube	1.5mm Quartz Injector, 1 Red Ring	275-10
138562-00	2 Red Rings, Hole for Radial Viewing, Approx. 136mm Long Outer Tube	1.5mm Quartz Injector, 1 Red Ring	275-10DV

Injectors

TJA Part #	Rings on Injector (Center Tube)	Precision Part #
125407-01	Quartz, 1.0mm bore, 2 Red Rings	250-40
125407-00	Quartz, 1.5mm bore, 1 Red Ring	250-41
136502-01	Quartz, 2.0mm bore, 1 Blue Ring	250-42
136502-02	Quartz, 2.4mm bore, 2 Blue Rings	250-43
N/A	Alumina, 1.0mm bore, No Rings	260-84
136463-01	Alumina, 1.5mm bore, No Rings	260-83

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9.6 Thermo – VG

9.6.1 Torches und Accessories

Part No.	Ref. Code	Beschreibung
IVA45004	3601147 Alt. 30-807-0532	TORCH fixed , 2.0 mm injector, single locator pin Thermo VG X-Series
IVA45005	3201192	TORCH, 1.5mm
IVA45006	3201732	TORCH, 2.0mm
IVA45008	1200080	DEMOUNTABLE TORCH BODY
IVA45009		QUARTZ INJECTOR
IVA45010		DEMOUNTABLE TORCH BODY & QTZ INJECTOR
IVA45011	1200079	ALUMINA INJECTOR
IVA45012	3203095	QUARTZ INJECTOR
IVA45021		TORCH EXTENSION
IVA45025		TORCH BONNET
IVA45026	1200274	TORCH BONNET CAP
IVA45027	3203025	RF INSULATOR SHIELD
IVA45028	3204703	TORCH BONNET, 72mm
IVA45029	3203789	TORCH SHIELD

9.6.2 Spray Chambers und Accessories

Part No.	Ref. Code	Beschreibung
IVA45013	36000170	CONICAL SPRAY CHAMBER with IMPACT BEAD, QUARTZ
IVA45014		HORIZON SPARY CHAMBER
IVA45015		SPRAY CHAMBER WATER COOLED PYREX
IVA45016	3200841	SPRAY CHAMBER, WATER COOLED, QUARTZ
IVA45017	3203739	THERMO CONTROLLED MAXIM SPRAY CHAMBER
IVA45022	3204313	IMPACT WATER COOLED SPRAY CHAMBER
IVA45022Q		CONCIAL SPRAY CHAMBER, WATER-COOLED, QUARTZ
IVA45030	3600169	ELBOW FOR USE WITH 450-13, QUARTZ
IVA45031		ELBOW, BALL/SOCKET PYREX
IVA45032	3200727	ELBOW, BALL & SOCKET



9.6.3 Nebulizers

Part No.	Ref. Code	Beschreibung
IVA50070	1040894	CONCENTRIC, C-TYPE, 1.0l/min @ 35psi
IVA50070QD		500-70 WITH QUICK DISCONNECT
IVA50070DAC	4600294	500-70 WITH QUICK DISCONNECT UND ARGON CONNECT

9.6.4 Accessories

Part No.	Ref. Code	Beschreibung
IVA45018	1201261	CLAMP, STAINLESS STEEL, #12
IVA45018L		12/5 CLAMP, W/LOCK
IVA45049	3200004	QUARTZ SOCKET TUBE ADAPTER

9.7 Thermo X-Series

9.7.1 Torches und Accessories

Part No.	Ref. Code	Beschreibung
IVA45001	3600969	TORCH fixed , 1.5 mm injector, single locator pin
IVA45002	3600970	TORCH demountable, single locator pin
IVA45002P	3601146 Alt. 31-808-1009	TORCH demountable, 2 locator pins
IVA45003	3601145 Alt. 30-808-1279 ML145050	TORCH fixed , 1.5 mm injector, 2 locator pins
IVA45004	3601147	TORCH fixed , 2.0 mm injector, 2 locator pins
IVA45007	3600416	TORCH Demountable
IVA45020	3600971	TORCH fixed , 2.0 mm injector, single locator pin
IVA45053	3601149 Alt. 31-808-2831 ML145053	TORCH BONNET
IVA45090	3601203	TORCH fixed , 1.5 mm injector, additional Inlet, single locator pin
IVA45091	3001204	TORCH Adapter, Quartz

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9.7.2 Spray Chamber

Part No.	Ref. Code	Beschreibung
IVA45081	4600508 Alt. ML145026	Spray Chamber Conical, Pyrex, with QD-Fitting

9.7.3 Nebulizers

Part No.	Ref. Code	Beschreibung
IVA50070QDACFI	4600294 1600289	CONCENTRIC, C-TYPE, 1 ml p Ar , 30 psi, 1.0l/min WITH QUICK DISCONNECT UND ARGON CONNECT

9.8 Thermo iCap6000

Part No.	Ref. Code	Beschreibung
IVA45062	8423 120 51141	Radial Torch
IVA45060	8423 120 51241	DUO Torch
IVA45073	8423 120 51741	Radial Torch (EMT)
IVA45072	8423 120 51841	DUO Torch (EMT)
IVA45063	8423 120 51151	Radial Adapter
IVA45064	8423 120 51251	DUO Adapter
IVA45067	8423 120 51341	Quartz Injector, 1.0 mm
IVA45068	8423 120 51351	Quartz Injector, 1.5 mm
IVA45069	8423 120 51371	Quartz Injector, 2.0 mm
IVA45075	8423 120 51941	Quartz Injector, 1.0 mm (EMT)
IVA45076	8423 120 51951	Quartz Injector, 1.5 mm (EMT)
IVA45077	8423 120 51971	Quartz Injector, 2.0 mm (EMT)
IVA45023	8423 120 51411	Cyclonic Chamber
IVA45024	8423 120 51311	Baffled Cyclonic Chamber
IVA45025	8423 120 51441	Baffled, Jacketed Cyclonic Chamber
IVA50082QDAC	8423 120 51431	K-Type Concentric Nebulizer, 0.7 lpm Ar
IVA50065QDAC	8423 120 51331	AeroIVAlt High-Solids Nebulizer
IVA51010QDAC	8423 120 51321	Noordermeer V-Groove MDSN Nebulizer

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10 Agilent (Varian)

10.1 Varian 700ES Series, Liberty, Vista

10.1.1 Torches und Accessories

Part No.	Ref. Code	Beschreibung
IVA80005	2010069690	LOW FLOW, ONE PIECE – RADIAL
IVA80005S		RADIAL TORCH W/SOCKET
IVA80005B	2010069690B	LOW FLOW, ONE PIECE, w/BALL JOINT
IVA80007	2010117400	LOW FLOW TORCH, ONE PIECE, RADIAL, 0.8mm Injector
IVA80008	2010076400	EXTENDED FOR NITROGEN DETERMINATION
IVA80010	2010072900	DEMOUNTABLE TORCH BODY – ONLY
IVA80012	2010090400	AXIAL w/90 degree bend in stem
IVA80012B		LOW FLOW TORCH, ONE PIECE, AXIAL, 90° BEND WITH B.J.
IVAOG80012S		LOW FLOW TORCH, ONE PIECE, AXIAL, 90° BEND, 12/5 SO.
IVA80014	2010081200	LOW FLOW, ONE PIECE – AXIAL
IVA80015	2010083400	DEMOUNTABLE TORCH BODY – ONLY
IVA80016	2010104600	HIGH SOLIDS TORCH one piece axial 90 Bend extended Body
IVA80018		VISTA AXIAL TORCH, 0.8mm Injector
IVA80025	2010070790	TORCH BONNET
IVA80041	2010073000	QUARTZ INJECTOR – 1.8mm
IVA80042	2010077500	QUARTZ INJECTOR – 0.8mm
IVA80045	2410067500	ALUMINA INJECTOR – 1.8mm
IVA80046		ALUMINA INJECTOR – 2.5mm
IVA80049	99100568	DEMOUNTABLE AXIAL, complete (1.8mm injector)
IVA80050	9910056800	DEMOUNTABLE RAD., complete (1.8mm injector)

10.1.2 Spray Chambers und Accessories

Part No.	Ref. Code	Beschreibung
IVA80017	9910070400	WATER COOLED SPRAY CHAMBER
IVA80020		TRANSFER TUBE, TORCH TO SPRAY CHAMBER
IVA80021	2010081700	CYCLONIC, 8 mm TOP, 4 mm DRAIN
IVA80021B	7910043700	CYCLONIC SPRAY CHAMBER, 8mm Top, 4mm Drain, Baffle



10.1.3 Nebulizers

Part No.	Ref. Code	Beschreibung
IVA50065QDAC	2010096400	AEROIVALT HIGH-SOLIDS NEBULIZER, 0.7 lpm Ar, 30psi, 2 mL/min, Quick Disconnect
IVA50070	2010076500	CONCENTRIC, C TYPE, 1.0l/min @35psi, 1mlpm
IVA50070MQDAC	2010102100	C-TYPE CONCENTRIC NEBULIZER, 1 lpm Ar, 30psi, Microflow (0.1-0.4 mL/min)
IVA50080	2010069500	CONCENTRIC, K TYPE, 0.7l/min @35psi, 2.5mlpm
IVA50085	2010081600	K-HIGH FLOW, AX CONCENTRIC NEBULIZER
IVA51010		GLASS V-GROOVE, 0.7l/min @35psi
IVA80055	9910057400	INERT V-GROOVE, 0.7l/min @35psi

10.2 Varian UltraMass-700

10.2.1 Torches und Accessories

Part No.	Ref. Code	Beschreibung
IVA80006	2010078300	LOW FLOW TORCH, ONE PIECE
IVA80011	2010083400	DEMOUNTABLE TORCH BODY - ONLY
IVA80041	2010073000	QUARTZ INJECTOR – 1.8mm
IVA80042	2010077500	QUARTZ INJECTOR – 0.8mm
IVA80045	2410067500	ALUMINA INJECTOR – 1.8mm
IVA80046		ALUMINA INJECTOR – 2.5mm
IVA80048	9910057300	TEFLON INJECTOR TUBE HOLDER
IVA80050	9910056800	DEMOUNTABLE RAD., complete (1.8mm injector)

10.2.2 Spray Chambers und Accessories

Part No.	Ref. Code	Beschreibung
IVA80017	9910070400	WATER COOLED SPRAY CHAMBER
IVA80021	2010081700	CYCLONIC, 8 mm TOP, 4 mm DRAIN
IVA51026		CYCLONIC SPRAY CHAMBER, 12/5 SOCKET TOP 4mm DRAIN

**The use of instrument name is intended for convenience and does not imply that the products are of instrument manufacturer origin*



10.2.3 Nebulizers

Part No.	Ref. Code	Beschreibung
IVA50070	2010076500	CONCENTRIC, C TYPE, 1.0l/min @35psi, 1mlpm
IVA50085	2010081600	K-HIGH FLOW, AX CONCENTRIC NEBULIZER
IVA80055	9910057400	INERT V-GROOVE, 0.7l/min @35psi

11 Special Nebulizer

11.1 Burgener ICP - ICP-MS Nebulizers

11.1.1 Mira Mist und Ari Mist Nebulizers for ICP / ICP-MS

- TMM 3500** **Teflon Mira Mist**, Enhanced Parallel Path Teflon Nebulizer. Can operate on 0.2 ml/min to 2.5 ml/min. Excellent mist, and can handle high level of particulates in sample. Fits regular chambers as a direct replacement for glass concentric nebulizers. Operates on standard pressures of 35 - 45 psi. The Teflon Mira Mist can be used for any liquid. Salting is very rare, but can occur over long periods of time, especially with high Sodium levels in the solution. Such salting can be cleared easily with a dip in 5 - 10% HF, (Caution: Be careful when handling HF. It soaks into the skin before you feel it burning, and in low concentrations it looks like water.)
- PMM 4000** **PEEK Mira Mist**, Same as the Teflon Mira Mist, but easier to make than the Teflon Mira Mist, so you save a little. Works for most samples, but not concentrated acids, and not some organic solvents. Still has Teflon capillaries for the samples and for the gas. Standard pressure (45 psi), low sample flow, enhanced parallel path design. Can operate on 0.2 ml/min to 2.5 ml/min. Excellent mist, and can handle high level of particulates in sample. Fits regular chambers as a direct replacement for glass concentric nebulizers.
- GMM-HS 4500** **Graphite Mira Mist HS**, Same as Teflon Mira Mist, but flat nose and 25% graphite body reduces drops forming at the tip and being re-introduced into the aerosol. Drops being re-introduced are chamber specific, and few chambers have the problem. For those with a drip problem, the GMM HS helps. Not recommended for GE Cyclonic chambers as they do not have the problem. Works for all liquids, as with 100% Teflon.
- PMM CE** **Mira Mist CE**, Designed for ICP-MS - CE interface. Medium pressure (80-90 psi). Very low sample flow (10 μ l/min or less), enhanced parallel path design. Can operate on 0.01 ml/min to 2.5 ml/min. With Alcohol solutions can operate down to .001 ml/min. Excellent mist, can handle high level of particulates in sample. Fits regular chambers as a direct replacement for glass concentric nebulizers. Designed for CE / ICP / MS analysis. Allows CE capillary to extend to tip of nebulizer for zero suction, zero back pressure CE interfacing with ICP-MS. Works best with mini chamber.
- AM 5000** **Ari Mist**, Very low sample flow, enhanced parallel path design. Standard pressure (40 - 50 psi). Black PEEK body, Teflon sample and gas capillaries. Can operate on 0.050 ml/min to 1.0 ml/min. Good for ICP & ICP-MS. Only for samples that are particulate free. Fits regular chambers as a direct replacement for glass concentric nebulizers.
- AM HP 5500** **Ari Mist HP**, Ultra low sample flow, enhanced parallel path design. Higher Pressure (80 psi). Black PEEK body, Teflon sample and gas capillaries. Can operate on 0.005 ml/min to 1.0 ml/min. Good for LC/ICP-MS. Only for samples that are particulate free. Fits regular chambers as a direct replacement for glass concentric nebulizers. When run at 10 to 15 μ l/min it provides similar results to direct injection nebulizers without the difficulties of direct injection.



TMM 3500 - Teflon Mira Mist



PMM 4000 - PEEK Mira Mist



GMM-HS 4500 - Graphite Mira Mist HS



PMM CE - Mira Mist CE



AM 5000- Ari Mist



AM HP 5000- Ari Mist HP



12 Flared End Pump Tubing

12.1 TYGON-pump tubing with 2 spacers

150 mm space, total length: 405 mm

Part No.	Description	Unit
IVA42003940	0.13 mm (0.0005 inch) ID orange-black	12 Pcs.
IVA42003941	0.19 mm (0.0075 inch) ID orange-red	12 Pcs.
IVA42003942	0.25 mm (0.010 inch) ID orange-blue	12 Pcs.
IVA42003943	0.38 mm (0.015 inch) ID orange-green	12 Pcs.
IVA42003944	0.44 mm (0.017 inch) ID green-yellow	12 Pcs.
IVA42003945	0.51 mm (0.020 inch) ID orange-yellow	12 Pcs.
IVA42003946	0.57 mm (0.022 inch) ID white-yellow	12 Pcs.
IVA42003947	0.64 mm (0.025 inch) ID orange-white	12 Pcs.
IVA42003948	0.76 mm (0.030 inch) ID black-black	12 Pcs.
IVA42003949	0.89 mm (0.035 inch) ID orange-orange	12 Pcs.
IVA42003950	0.95 mm (0.037 inch) ID white-black	12 Pcs.
IVA42003951	1.02 mm (0.040 inch) ID white-white	12 Pcs.
IVA42003953	1.14 mm (0.045 inch) ID red-red	12 Pcs.
IVA42003955	1.42 mm (0.056 inch) ID yellow-yellow	12 Pcs.
IVA42003954	1.52 mm (0.060 inch) ID yellow-blue	12 Pcs.
IVA42003957	1.65 mm (0.065 inch) ID blue-blue	12 Pcs.
IVA42003958	2.06 mm (0.081 inch) ID violet-violet	12 Pcs.
IVA42003959	2.29 mm (0.090 inch) ID violet-black	12 Pcs.
IVA42003960	2.54 mm (0.100 inch) ID violet-orange	12 Pcs.
IVA42003961	2.79 mm (0.110 inch) ID violet-white	12 Pcs.
IVA42003962	3.18 mm (0.125 inch) ID black-white	12 Pcs.

Further pump tubings on request.

We also sell PharMed®-pump tubings.

**The use of instrument name is intended for convenience and does not imply that the products are of instrument manufacturer origin*



12.2 TYGON-pump tubing with 3 spacers

70 mm space, total length: 405 mm

Part No.	Description	Unit
IVA42003940-3R	0.13 mm (0.0005 inch) ID orange-black-orange	12 Pcs.
IVA42003941-3R	0.19 mm (0.0075 inch) ID orange-red-orange	12 Pcs.
IVA42003942-3R	0.25 mm (0.010 inch) ID orange-blau-orange	12 Pcs.
IVA42003943-3R	0.38 mm (0.015 inch) ID orange-grün-orange	12 Pcs.
IVA42003944-3R	0.44 mm (0.017 inch) ID green-yellow-green	12 Pcs.
IVA42003945-3R	0.51 mm (0.020 inch) ID orange-yellow-orange	12 Pcs.
IVA42003946-3R	0.57 mm (0.022 inch) ID white-yellow-white	12 Pcs.
IVA42003947-3R	0.64 mm (0.025 inch) ID orange-white-orange	12 Pcs.
IVA42003948-3R	0.76 mm (0.030 inch) ID black-black-black	12 Pcs.
IVA42003949-3R	0.89 mm (0.035 inch) ID orange-orange-orange	12 Pcs.
IVA42003950-3R	0.95 mm (0.037 inch) ID white-black-white	12 Pcs.
IVA42003951-3R	1.02 mm (0.040 inch) ID white-white-white	12 Pcs.
IVA42003953-3R	1.14 mm (0.045 inch) ID red-red-red	12 Pcs.
IVA42003955-3R	1.42 mm (0.056 inch) ID yellow-yellow-yellow	12 Pcs.
IVA42003954-3R	1.52 mm (0.060 inch) ID yellow-blue-yellow	12 Pcs.
IVA42003957-3R	1.65 mm (0.065 inch) ID blue-blue-blue	12 Pcs.
IVA42003958-3R	2.06 mm (0.081 inch) ID violet-violet-violet	12 Pcs.
IVA42003959-3R	2.29 mm (0.090 inch) ID violet-black-violet	12 Pcs.
IVA42003960-3R	2.54 mm (0.100 inch) ID violet-orange-violet	12 Pcs.
IVA42003961-3R	2.79 mm (0.110 inch) ID violet-white-violet	12 Pcs.
IVA42003962-3R	3.18 mm (0.125 inch) ID black-white-black	12 Pcs.

Further pump tubings on request.

We also sell PharMed®-pump tubings.

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13 ICP-MS Cones und Skimmers

13.1 Agilent Technologies

Part No.	Description	Ref.-Code
IVAHP1001-Ni	Nickel Sampler (25mm Ni insert)	G1820-65238
IVAHP1001T-Ni	Nickel Sampler - T Mode	G1820-65480
IVAHP1002CE-Ni	Nickel Skimmer - 7500ce	G3270-65024
IVAHP1002C-Ni	Nickel Skimmer - 7500c	G1833-65497
IVAHP1002-Ni	Nickel Skimmer - 4500	G1820-65265
IVAHP1002-Ni	Nickel Skimmer - 7500	G1820-65050
IVAHP1002T-Ni	Nickel Skimmer - T Mode	G1820-65481
IVAHP1006A-Pt	Platinum Sampler, 18mm Pt insert (4500 & 7500)	G1820-65360
IVAHP1006-Pt	Platinum Sampler, 10mm Pt insert (4500 & 7500)	G1820-65239
IVAHP1008C-Pt	Platinum Skimmer - 7500c	G1833-65092
IVAHP1008CS-Pt	Platinum Skimmer 7500cs und 7500ce	G1833-65132
IVAHP1008CS-Pt/Ni	Platinum skimmer cone in nickel base for Agilent 7500CS	G3270-60106
IVAHP1008-Pt	Platinum Skimmer, 7.2mm Pt insert (4500)	G1820-65237
IVAHP5001	O-ring for Sampler cone	G1820-65025
IVAHP5003e	eSPEC: Platinum Long Life Shield Plate (4500)	G1820-65357
IVAHP5004e	eSPEC: Platinum Long Life Shield Plate (7500)	G1833-65419
IVAHP5004-Ag	Silver Shield Plate (7xxx, 8800)	-
IVAHP2001-Ni	Nickel IVAmpling cone (7700,7900,8800)	G3280-67040
IVAHP2001P-Ni	Nickel plated IVAmpling cone	G3280-67061
IVAHP2006-Pt	Platinum IVAmpling Cone, Standard for 7700s	G3280-67036
IVAHP2006A-Pt	Platinum IVAmpling Cone, 18mm Pt insert	G3280-67056
IVAHP6001	Graphite Gasket for 7700 Samplers, Pk. of 3	G3280-67009
IVAHP2002X-Ni	Nickel skimmer cone, Standard for 7700x	G3280-67041
IVAHP2002S-Ni	Nickel skimmer, Standard for 7700s	G3280-67066
IVAHP2008S-Pt/Cu	Platinum Skimmer Cone, Cu Base, Standard for 7700s	G3280-67064
IVAHP2008X-Pt/Cu	Platinum Skimmer Cone, Cu Base, Standard for 7700x	G3280-67060
IVAHP2008X-Pt/Ni	Platinum Skimmer Cone, Ni Base, Standard for 7700x	G3280-67063
IVAHP2008S-Pt/Ni	Platinum Skimmer Cone, Ni Base, Standard for 7700s	G3280-67065
IVAHP4002X-Ni	Nickel Skimmer (7900)	G8400-67200
IVAHP4008X-Pt/Cu	Platinum skimmer cone, Cu base (7900)	G8400-67201
IVAHP4002X-Pt/Ni	Platinum skimmer cone, Ni base (7900)	G8400-67202
IVAHP2002S-Cu	Copper skimmer, Standard for 7700s	G3280-67067

*10 mm Pt/Ir insert in 25 mm Ni



13.2 Leco®

Part No.	Description	Ref.-Code
IVALE1001-Ni	Nickel Sampler	703-633
IVALE1002-Ni	Nickel Skimmer	703-634
IVALE1002-SS	Modified; Electro polished	710-804
IVALE1006-Pt	Platinum Sampler Cone	703-633
IVALE1008-Pt	Platinum Skimmer Cone	703-634

13.3 Finnigan /TJA

Part No.	Description	Ref.-Code
IVAT1001-AI	Aluminium Sampler	1044530-AI
IVAT1001-Ni	100% Nickel Sampler	1044530
IVAT1001-Ni/Cu	Nickel Sampler, Cu core	1044520
IVAT1002A-AI	Aluminium Skimmer	1067600-AI
IVAT1002A-Ni	Nickel skimmer	1067600
IVAT1002X-AI	Aluminium X-Skimmer	1142160-AI
IVAT1002X-Ni	Nickel X-Skimmer	1142160
IVAT1003-Ni	Nickel accelerator	067019A
IVAT5001	Graphite Sampler cone gasket, each	1042620
IVAT1006-Pt	Pt Sampler, Ni Base (7.62mm Pt insert)	1067501
IVAT1006A-Pt	Pt Sampler, Ni Base (15.2mm Pt insert)	1067501
IVAT1006A-Pt/Cu	Pt Sampler, Cu core (15.2mm Pt insert)	
IVAT1007-Pt	Pt skimmer, Ni base	1047510
IVAT1007X-Pt	Platinum X-series Skimmer Cone	1142150
IVAT5003	Pt Long Life Guard Electrode - Element 1	1125680
IVAT5004	Pt Long Life Guard Electrode - Element2/Neptune	1126640
IVATJA1001-Ni	Nickel Sampler - Special Order	133076
IVATJA1002-Ni	Nickel Skimmer - Special Order	133075
IVATJA1006-Pt	Platinum Sampler - Special Order	135558
IVATJA1008-Pt	Platinum Skimmer - Special Order	135827

*The use of instrument name is intended for convenience and does not imply that the products are of instrument manufacturer origin



13.4 MicroMass

Part No.	Description	Ref.-Code
IVAM1001-Ni	Nickel Sampler	M695080BD1
IVAM1002-Ni	Nickel skimmer	M695011BD1
IVAM1006-Pt	Platinum Sampler	-
IVAM1008-Pt	Platinum skimmer	-
IVAMM1001-Al	Aluminum Sampler	M749629CD2
IVAMM1001-Ni	Nickel Sampler	M749629CD3
IVAMM1002-Ni	(IVAME as MP1002) Nickel skimmer	M695440BD3
IVAMM1002X-Ni	Nickel X skimmer enhanced low mass	M70001116CD3
IVAMM1001X-Ni	Nickel X Sampler enhanced low mass	M699477CD3
IVAMM1002X-Al	Aluminum X skimmer enhanced low mass	M70001116CD2
IVAMM1001X-Al	Aluminum X Sampler enhanced low mass	M699477CD2
IVAMM1003-Ni	Nickel collimator cone	M749666BD1
IVAMM3000	Copper Cartridge	M749630BD1
IVAMP1001-Al	Aluminum Sampler	M695439BD1
IVAMP1002-Al	Aluminum skimmer	M695440BD2
IVAMP1002-Ni	(IVAME as MM1002) Nickel skimmer	M695440BD1
IVAMP1006-Pt/Cu	Platinum Sampler, Copper base	-
IVAMP1008-Pt	Platinum skimmer	-

13.5 NU

Part No.	Description	Ref.-Code
IVANU1001A-Ni	Nickel Sampler, version A	319-285
IVANU1004A-Ni	Nickel Skimmer version A	319-497
IVANU1001B-Ni	Nickel Sampler, Version B	319-541
IVANU1004B-Ni	Nickel Skimmer, Version B	319-540
IVANU1001A-Al	Aluminum Sampler, Version A	-
IVANU1004A-Al	Aluminum Skimmer, Version A	-
IVANU1001B-Al	Aluminum Sampler, Version B	-
IVANU1004B-Al	Aluminum Skimmer, Version B	-
IVANU1006A-Pt	Platinum Sampler	319-593
IVANU1008A-Pt	Platinum Skimmer	319-594

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13.6 Sciex / PerkinElmer®

Part No.	Description	Ref.-Code
IVASC2003-Ni	Nickel Sampler - 5000	WE01-3087
IVASC2003-Al	Aluminum Sampler - 5000 - Special Order	WE01-3087
IVASC2004-Ni	Nickel Skimmer - 5000	N812-2000
IVASC2004-Al	Aluminum Skimmer - 5000 - Special Order	N812-2000
IVASC2007-Pt	Platinum Sampler - 5000	N812-2025
IVASC2010-Pt	Platinum Skimmer - 5000	N812-2035
IVASC2011-Ni	Nickel Sampler - 6000/6100/9000	WE02-1140
IVASC2011-Al	Aluminum Sampler - 6000/6100/9000	WE02-1140
IVASC2012-Ni	Nickel Skimmer - 6000/6100/9000	WE02-1137
IVASC2012-Al	Aluminum Skimmer - 6000/6100/9000	WE02-1137
IVASC2013-Pt	Platinum Sampler - 6000/6100/9000	WE02-7802
IVASC2014-Pt	Platinum Skimmer - 6000/6100/9000	WE02-7803
IVASC4011-Ni	NexION 300 Nickel Sampler Cone	W1033612
IVASC4012-Ni	NexION 300 Nickel Skimmer Cone	W1026356
IVASC4013-Pt	NexION 300 Platinum Sampler Cone	W1033614
IVASC4014-Pt	NexION 300 Platinum Skimmer Cone	W1026907
IVASC4020-Al	NexION Aluminum Hyper-skimmer	W1033995
IVASC5011	Sampler cone o-ring, pack of 5	N8120511
IVASC5012	Skimmer cone o-ring, pack of 5	N8120512
IVASC6000	Insertion / Removal Tool	WE01-7142
IVASC6011	Aluminum Gaskets for Nexlon Samplers, Pkg. of 5	WE012989

13.7 Spectro

Part No.	Description	Ref.-Code
IVASP2003-Ni	Nickel Sampler	46501063U
IVASP2004-Ni	Nickel Skimmer	46501064U
IVASP2007-Pt	Platinum Sampler	46901016
IVASP2010-Pt	Platinum Skimmer	46901017

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13.8 ThermoVG

Part No.	Description	Ref.-Code
IVAVG1001-Al	Aluminum Sampler Cone	3004661
IVAVG1001-Ni	Nickel Sampler	3004661
IVAVG1004-Al	Aluminum Skimmer Cone	3200860
IVAVG1004-Ni	Nickel Micro-Skimmer (Enhanced Interface)	3200860
IVAVG1006-Pt	Platinum Sampler, PQ2 (7.62mm Pt insert)	3202521
IVAVG1006AA-Pt	Platinum Sampler (18mm Pt insert) Special Order	
IVAVG1006A-Pt	Platinum Sampler (15.2mm Pt insert)	
IVAVG1008-Pt	Platinum Micro-Skimmer (Enhanced Interface)	3201101
IVAVG1021-Ni	Nickel Sampler Cone, 100% Ni (X-series, iCap Q)	3004661
IVAVG1021-Ni/Cu	Nickel Sampler Cone, Cu core (X-series, iCap Q)	3600812
IVAVG1022-Ni	XT Skimmer Cone, X-Series	3600811
IVAVG1023-Cu	Copper Skimmer Adaptor	3600813
IVAVG1026-Pt	Platinum Sampler	3202512
IVAVG1027-Pt	Platinum Sampler iCAP Q (7.62mm Pt insert)	3601289
IVAVG1028-Pt	Platinum Skimmer	3600811PT
IVAVG1029-Pt	Platinum Xs Skimmer, Excell/X-Series	3201101
IVAVG1026A-Pt	Platinum Sampler, Excell/X-Series (15.2mm Pt insert)	-
IVAVG1034-Ni	Skimmer cone Nickel (iCap Q)	1311870
IVAVG2004-Ni	Nickel Skimmer Cone, iCAP Q - insert ready	1324540
IVAVG2005-028	Skimmer Cone Insert 2.8 for iCAP Q	1311880
IVAVG2005-030	Skimmer Cone Insert 3.0 for iCAP Q	1318470
IVAVG2005-035	Skimmer Cone Insert 3.5 for iCAP Q	1318480
IVAVG2024-Pt	Platinum Skimmer Cone, ICAPQ - insert ready	1324540
IVAVG5001	Graphite Sample cone gasket, each	3004382
IVAVG5001A	Graphite Sample cone gasket - old interface with screw holes, each	3004382
IVAVG5003e	Platinum Torch Shield - Axiom	3600157
IVAVG5004e	Silver torch shield fixed for VG	3601219

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14 Coils

14.1 Sciex / Perkin Elmer

Part No.	Description	Ref.-Code
IVA709002005C	RF Coil Assembly, (Copper) - PE Elan 5000	WE012411
IVA709002005G	RF Coil Assembly, (Gold) - PE Elan 5000	-
IVA709002005S	RF Coil Assembly, (Silver) - PE Elan 5000	-
IVA709002005T	Installation Tool - PE Elan 5000 Series	-
IVA709002006C	RF Coil Assembly, (Copper) - PE Elan 6X00. 9X00, DRC	WE021816
IVA709002006G	RF Coil Assembly, (Gold) - PE Elan 6X00. 9X00, DRC	WE021816
IVA709002006S	RF Coil Assembly, (Silver) - PE Elan 6X00. 9X00, DRC	WE021816
IVA709002006T	Installation Tool - PE Elan 6000/9000 Series	WE021816

14.2 ARL

Part No.	Description	Ref.-Code
IVA709003000G	ARL Acuris Mini Gold RF Coil	-

14.3 Agilent 4500 und 7500

Part No.	Description	Ref.-Code
IVA709007500G	RF Coil gold - Agilent 7500	G1833-65432
IVA709007500S	RF Coil silver - Agilent 7500	G1833-65432
IVA709007500T	Installation Tool - Agilent 7500	-

15 Platinum Shields

15.1 Agilent

Part No.	Description	Ref.-Code
IVAHP5003e	eSpec™ Long Life Platinum Shield, 4500	G1820-65357
IVAHP5004e	eSpec™ Long Life Platinum Shield, 7500	G1833-65419

15.2 Thermo

Part No.	Description	Ref.-Code
IVAT5003	Pt/Au Guard Electrode, Element 1	1125680
IVAT5004	Pt/Au Guard Electrode, Element 2 / Neptune	1126640

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15.3 Thermo VG

Part No.	Description	Ref.-Code
IVAVG5003e	Platinum Torch Shield - Axiom	3600157

eSPEC™ is a new introduced line of Spectron Classic™ cones with the aim to improve its resistance to certain matrices and plasma conditions. The cones manufactured with Pt/10Ir are less expensive and feature no Rh background. Spectron guarantees their quality.

16 Electron Multipliers

16.1 Agilent

Part No.	Description	Ref.-Code
IVAAF222	ETP Electron Multiplier, 7500	G1833-65420
IVAAF516	ETP Electron Multiplier, Agilent 5971/72 GCD	-
IVAAF573	ETP Electron Multiplier, 4500	G1820-80386
IVAAF617	ETP Electron Multiplier for Agilent HP5973	-

16.2 Thermo

Part No.	Description	Ref.-Code
IVAAF143	Electron Multiplier (Thermo)	-
IVAAF214	ETP Electron Multiplier, simultaneous	2203433
IVAAF562	ETP Electron Multiplier, PlasmaQuad (12-12)	-
IVAAF562A	ETP Electron Multiplier, sequential (SXP rods)	2203405
IVAAF568H	ETP Electron Multiplier, Thermo Elemental Genesis	-

16.3 LECO

Part No.	Description	Ref.-Code
IVAAF833H	ETP Electron Multiplier, LECO RenaiVAnce	-

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16.4 Perkin Elmer®

Part No.	Description	Ref.-Code
IVAAF210	ETP Electron Multiplier, Dual Mode	N8125001
IVAAF217	ETP Electron Multiplier, Dual (20% longer lifetime)	N8125050
IVAAF561	ETP Electron Multiplier, Sciex (PE) Elan 5000	-
IVAAF570	ETP Electron Multiplier, 5000	N8101069
IVAAF571	ETP Electron Multiplier, 5000a	N8122189

16.5 GBC

Part No.	Description	Ref.-Code
IVAAF834H	ETP Electron Multiplier	-

16.6 Varian / Analytik Jena

Part No.	Description	Ref.-Code
IVAAF250*	ETP Electron Multiplier, 10(Ghz) for Varian 820-MS	-
IVAAF566*	ETP Electron Multiplier, Varian Ultramass	-

*nicht mehr von uns lieferbar -> Exklusivität AJ

16.7 TJA

Part No.	Description	Ref.-Code
IVAAF574	ETP Electron Multiplier, Thermo Jarrel-Ash - POEMS	-

16.8 Shimadzu

Part No.	Description	Ref.-Code
IVAAF533	Electron Multiplier Shimadzu QP5000	-
IVAAF625	SHIM QP5050/8000 MULT ONLY	-

**The use of instrument name is intended for convenience and does not imply that the products are of instrument manufacturer origin*