

Consumable Parts Catalogue Ver.3.06

February, 2012

This catalogue contains consumable parts for ;

- Pyrolyzer (EGA/PY-3030D, PY-3030S, PY-2020iD/iS)
- Selective Sampler (SS-1010E)
- MicroJet Cryo-Trap (MJT-1030Ex)
- Auto-Shot Sampler (AS-1020E)
- Micro-UV Irradiator (UV-1047Xe)

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Index

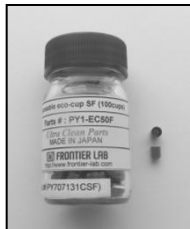
1. Pyrolyzer (EGA/PY-3030D, PY-3030S, PY-2020iD/iS)	
1.1 Sample cups	3
1.2 Pyrolyzer Furnace	4
1.3 GC related parts	6
1.4 Column and EGA tube connection parts	7
1.5 Magic Chemisorber	8
1.6 Sampling tools	8
2. Selective Sampler (SS-1010E)	9
3. MicroJet Cryo-Trap (MJT-1030E, EX)	10
4. Auto-shot Sampler (AS-1020E)	12
5. Micro-UV Irradiator (UV-1047Xe)	13

1. Pyrolyzer (EGA/PY-3030D, PY-3030S, PY-2020iD/iS)

1.1 Sample Cups

Eco-Cup (Deactivated stainless steel)

PY1-EC50F



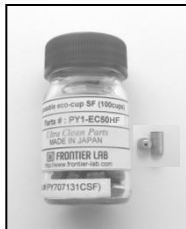
Disposable Eco-Cup SF
50μl, 100 cups

PY1-EC80F



Disposable Eco-Cup LF
80μl, 100 cups

PY1-EC50HF



Disposable Eco-Cup SHF
50μl, 20 cups, tiny hole at the bottom

PY1-EC80HF



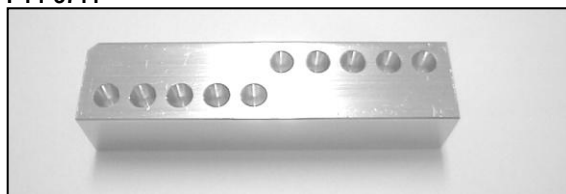
Disposable Eco-Cup LHF
80μl, 20 cups, tiny hole at the bottom

PY1-EH10



Eco-Stand
Stand for Eco-Cup
1 ea

PY1-3711



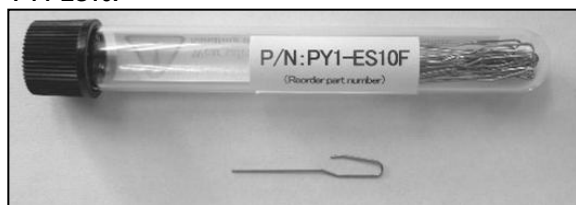
Eco Cup Holder, 1ea
Eco cup holder (10 cups)

PY1-EP50



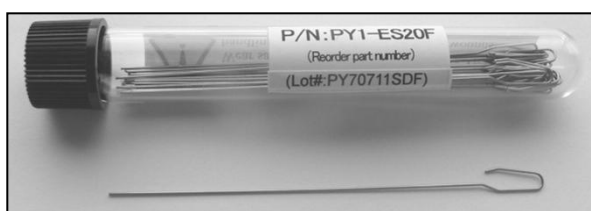
Eco Pick-Up
For Eco-Cup recovery, 1 ea

PY1-ES10F



Eco-Stick SF
30mm, for Single-Shot, 50 sticks

PY1-ES20F



Eco-Stick DF
80mm, for Double-Shot, 50 sticks

1.2 Pyrolyzer Furnace

Note: some of the parts are **only** compatible with 2020 or 3030 series

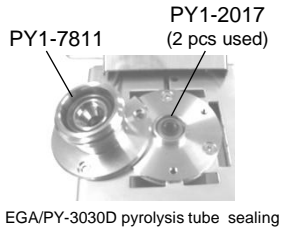
Furnace and Interface parts

EGA/PY-3030D / S parts

PY1-3018



Pyrolysis tube M30
Quartz, 1pc



EGA/PY-3030D pyrolysis tube sealing

PY1-2017



O-Ring(P-6W)
Pyrolysis tube sealing
Translucent silicon rubber, 20pcs

PY1-7811



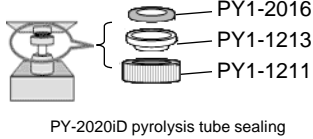
O-Ring(P-12)
Sampler sealing
Black silicon rubber, 10pcs

PY-2020iD / iS parts

PY1-2018



Pyrolysis tube
Quartz, 1pc



PY-2020iD pyrolysis tube sealing

PY1-2016



O-Ring(SM-6)
Red silicon rubber,
20pcs

PY1-1213



Washer-2
Stainless steel washer,
5pcs

PY1-1211

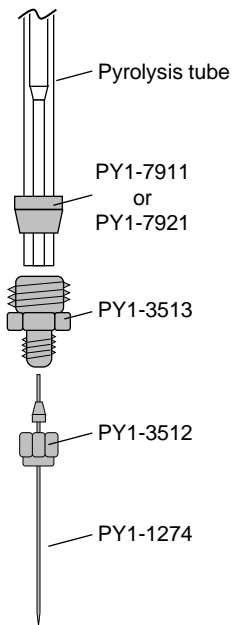


Quartz Tube Securing Nut
Stainless steel, 1pc

PY1-7812

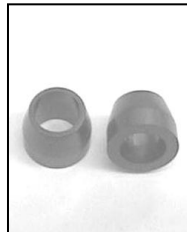


O-Ring(P-11.2)
Sampler Sealing
Black silicon rubber,
10pcs



Connection between pyrolysis tube and needle

PY1-7911



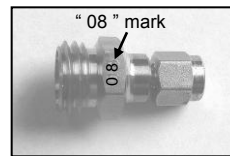
Graphite Vespel Ferrule
6mm, 5 pcs

PY1-7921



Graphite Ferrule
6mm, 5 pcs

PY1-3513



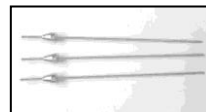
Interface Union
With nut, 1 set

PY1-3512



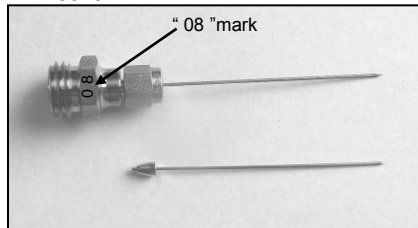
Interface Needle Nut
3 pcs, Stainless steel 1/16"

PY1-1174



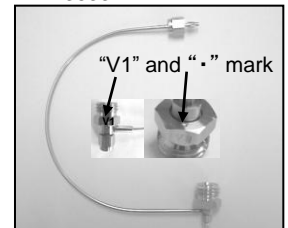
Needle Set
Deactivated needles
3 pcs

PY1-3515



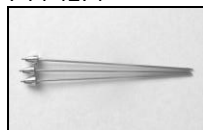
Interface Union Assy.
A set of an interface union with a nut
and two interface needles

PY1-3533



Interface Union Assy. for AS-1020E
Interface union assy. Use with AS-1020E

PY1-1274

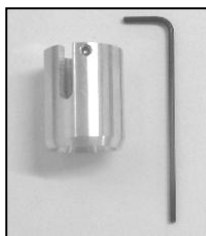


Needle Set
Deactivated needles
3 pcs

Heat Sink Adapter parts (for connection between pyrolyzer and GC inlet)

Depending on the combination of your GC and pyrolyzer, different part is used.

Please make sure to select parts compatible with your GC.



Heat Sink Adapter Set

Heat Sink Adapter, 1pc
1.5mm Allen wrench, 1pc

Part number of heat sink adapter/septum nut set for EGA/PY-3030D and PY-3030S

GC	Heat sink adapter set	Septum nut set
Agilent 7890 / 6890	PY1-3551	PY1-3553
PerkinElmer Auto system / Clarus GC	PY1-3552	PY1-3556
Shimadzu GC-2010 / 17A	PY1-3551	PY1-3544
Thermo Fisher TRACE / Focus GC	PY1-3555	*

* ask your GC vendor



Septum Nut Set

Septum nut, 1pc
Needle guide, 1pc

Part number of heat sink adapter/septum nut set for PY-2020iD / iS

GC	Heat sink adapter set	Septum nut set
Agilent 7890 / 6890	PY1-3570	*
Perkin Elmer Auto system / Clarus GC	PY1-3576	*
Shimadzu GC-2010 / 17A	PY1-3570	PY1-7411 and PY1-1034
Thermo Fisher TRACE / Focus GC	PY1-3575	*

* ask your GC vendor

Sampler parts

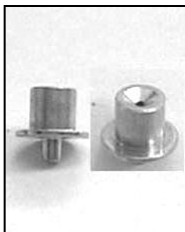
PY1-2025



Septum

For liquid sampler,
20pcs

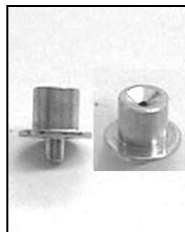
PY1-2014



Needle Guide

For liquid sampler
i.d. 0.6mm, 1pc

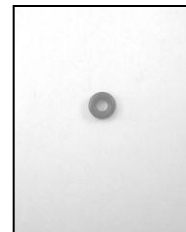
PY1-7411



Needle guide (wide bore)

For liquid sampler
i.d. 0.8mm, 1pc

PY1-2112



O-Ring (P3)

For the purge valve of
Double-Shot sampler,
20 pcs

GC inlet parts

PY1-7301



Septum (11mm)

Surface treated, For Agilent GC,
5 pcs

PY1-7302



Septum

Surface treated, For Shimadzu GC,
5 pcs

ITF cover parts

AS1-1111



ITF cover 2020 for PY-2020iD/iS

1pc with 1 screw

AS1-3563



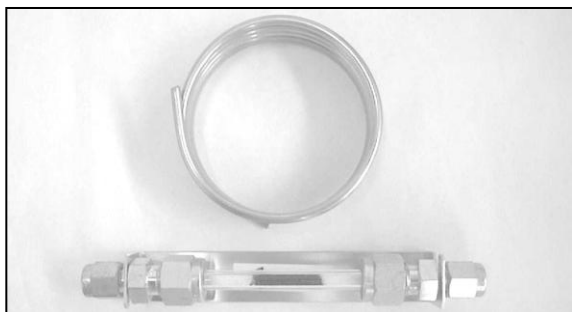
ITF cover 3030 for 3030series

1pc with 3 screws

1.3 GC related parts

Tubing

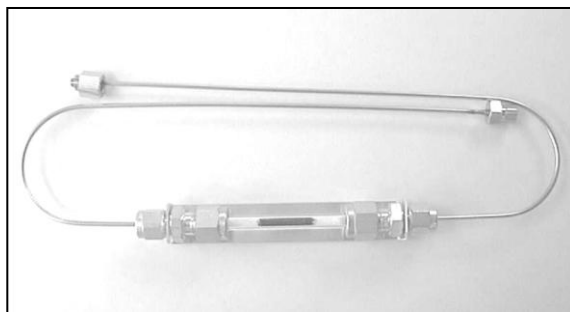
PY1-2218



Absorption Trap Set 6890/7890SV

For Agilent 6890/7890 split vent , 1 set

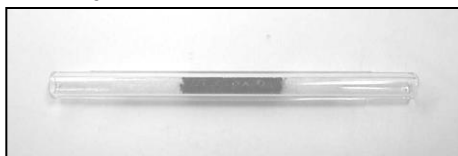
PY1-2227



Absorption Trap Set 17SV

For Shimadzu GC-2010, 17A split vent, 1 set

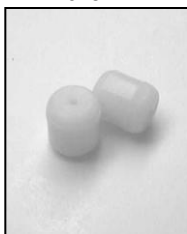
PY1-2216



Absorption Trap Tube

For trap tube only. Packed with activated charcoal, 3 pcs

PY1-2028



Inlet/Outlet Septum

For connecting tubes,
With hole, 10 pcs

UADTM-2.5N



EGA Tube

For Direct EGA Analysis
Ultra ALLOY 2.5m, 0.15mm id., 1set

Remote signal cable (for connection between pyrolyzer controller and GC)

Depending on the combination of your GC and pyrolyzer, different remote signal cable is used.

Please make sure to select a part compatible with your GC.



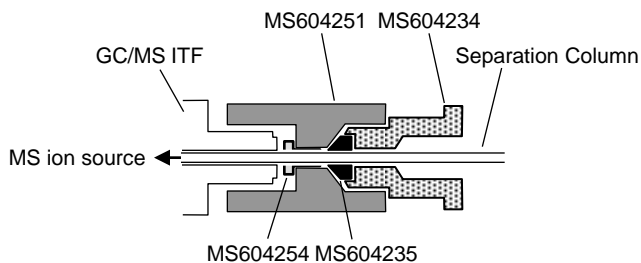
Remote signal cable

GC	EGA/PY-3030D/S	PY-2020iD / iS
Agilent 7890 / 6890	PY1-6111	PY1-5922
PerkinElmer Auto system / Clarus GC	PY1-6151	PY1-5927
Shimadzu GC-2010	PY1-6121	PY1-5926
Shimadzu GC-17A	PY1-6122	PY1-5925
Thermo Fisher TRACE / Focus GC	PY1-6141	PY1-5928

1 cable each

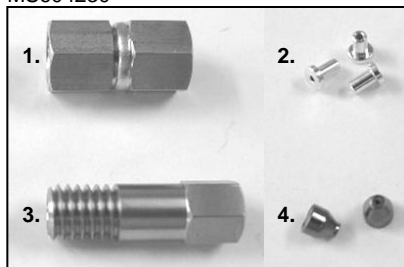
1.4 Column and EGA tube connection parts

GC/MS adapter



Connection between GC/MS ITF and column using GC/MS adapter

MS604230



GC/MS Adapter

Agilent MSD, Shimadzu QP-2010
For 0.25mm, 0.32mm id columns, 1 set

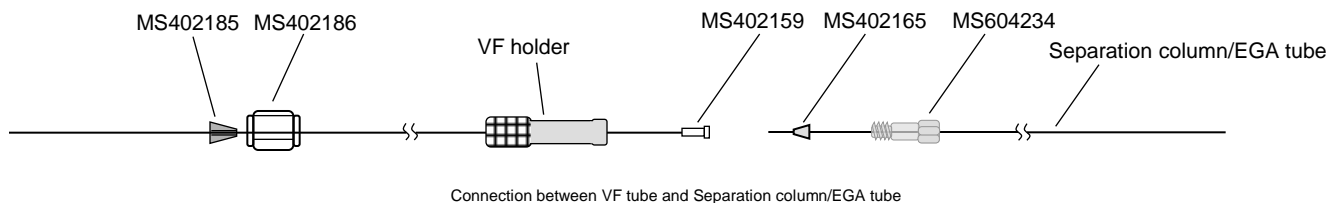
1. MS Joint, 1pc
2. VF Aluminum ferrule, 3pcs
3. Column nut, 1pc
4. Graphite ferrule (i.d. 0.5mm), 2pcs

GC/MS Adapter parts

Part name	P/N	Qty
MS Joint N	MS604251	1
VF Aluminum Ferrule	MS604254	5
Column nut*	MS604234	1
Graphite ferrule	MS604235	10

* Agilent P/N 5181-8830 can be used

Vent-free GC/MS adapter



MS402185



VF Metal Ferrule A
5 pcs

MS402186



VF Nut A
5 pcs

PY1-7971



Graphite Vespel ferrule
10 ea

MS604234



Column Nut
1 ea

MS402165



Vent-free (VF) gold ferrule
20 ea

MS402159



VF adapter A-50
0.15mm i.d., 50 cm, 1ea

MS402144



1.5mm Allen wrench
1 ea

UP1-7001



File for capillary tubes
1 ea

1.5 Magic Chemisorber

PY1-MC01S



Magic Chemisorber S500
100% dimethylpolysiloxane,
500 µm, 6 mm, 10 pcs.
Use with PY1-EC80HF or PY1-EC80F

PY1-MC01L



Magic Chemisorber L500
100% dimethylpolysiloxane,
500 µm, 30 mm, 5 pcs.
Use with PY1-MCP01

PY1-MCP01



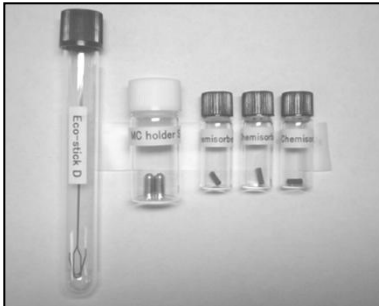
MC holder L
Deactivated stainless steel,
3 pcs

PY1-MC01L-K



Magic Chemisorber L500 Kit
Magic Chemisorber L500 3pcs,
Eco stick DF 5 pcs, MC holder L 2pcs

PY1-MC01S-K



Magic Chemisorber S500 Kit
Magic Chemisorber S 3pcs, Eco Stick DF 5pcs,
MC holder S (Flow Through Eco-cup LHF) 5pcs

1.6 Sampling tools

Harris Micro-Puncher



Harris Micro-Punchers and Harris cutting mat

Name	P/N	Diameter(i.d.)	Qty	Color
Harris Micro-Puncher 050	HMP-0.50D	0.50mm	10	Blue
Harris Micro-Puncher 075	HMP-0.75D	0.75mm	10	Green
Harris Micro-Puncher 125	HMP-1.25D	1.25mm	10	Red
Harris Micro-Puncher 200	HMP-2.00D	2.00mm	10	Black
Harris Micro-Puncher 300	HMP-3.00D	3.00mm	10	Navy
Harris Micro-Puncher 400	HMP-4.00D	4.00mm	10	Brown
Harris Micro-Puncher 500	HMP-5.00D	5.00mm	10	Orange
Harris 02 kit	HMP-02KIT	3 ea of 0.5 / 0.75 / 1.25 / 2.0 mm (Total 12 ea) 2 ea of 3.0 / 4.0 / 5.0 mm (Total 6 ea) Cutting Mat 2 ea		

Polymer Prepper

PY1-7510



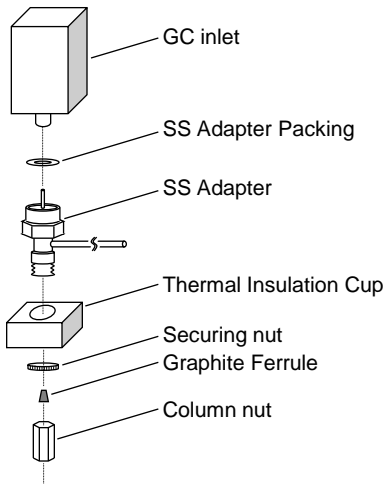
Polymer Prepper kit
Polymer Prepper, 3pcs
Cleaning tape (2m, P/N:PY1-7515), 1ea

2. Selective sampler (SS-1010E)

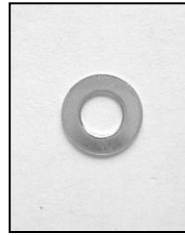
Connection parts for GC inlet

Depending on the combination of your GC and pyrolyzer, different part is used.

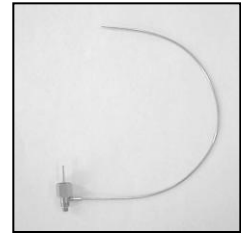
Please make sure to select parts compatible with your GC.



Connection parts underneath GC inlet



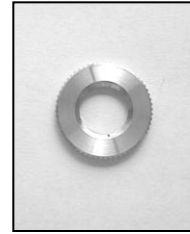
SS Adapter Packing
10pcs



SS adapter
1 ea



Thermal insulation cup
1 ea



Securing nut
1 pc

GC	SS Adapter Packing	SS Adapter	Thermal Insulation Cup	Securing nut	Graphite ferrule	Column nut
Agilent 7890 / 6890	SS1-1011	SS1-1001	SS1-1012	SS1-1013	PY1-7971	MS604234**
Shimadzu GC-2010 / 17A	SS1-2011	SS1-2001	SS1-2012	not necessary *	PY1-7203	SS1-7201***
Thermo Fisher TRACE GC	SS1-3011	SS1-3001	SS1-3012	SS1-1013	PY1-7971	SS1-7301
Thermo Fisher Focus GC	SS1-3011	SS1-3001	SS1-3022	SS1-1013	PY1-7971	SS1-7301

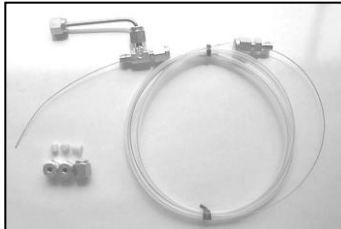
* Standard screws for GC are used

** Agilent column nut (Agilent P/N: 5181-8830) can be used

*** Shimadzu column nut (Shimadzu P/N: 221-32705) can be used

Other parts

SS1-4210



Purge Line Kit

Whole assembly connecting SS Adapter and SS-1010E flow controller, 1 set
Connection nut and packing, 3 sets

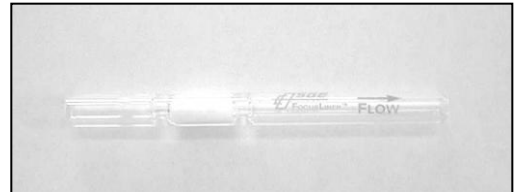
SS1-4020



Valve Control Cable

For controlling SS-1010E from PY Temp. controller, 1 set

PY1-3337



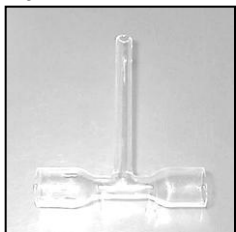
Deactivated Glass Insert

For Agilent GC, Deactivated, 1 ea

3. MicroJet Cryo-trap (MJT-1030E, Ex)

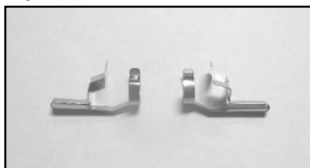
MJT parts in GC oven

MJ1-1111



MicroJet Tube
Quartz, 1 pcs

MJ1-1121



LN₂ saver
2 pcs

MJ1-3101



MicroJet Tube Union
For securing MicroJet Tube,
1 set

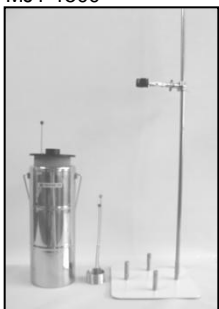
MJ1-7941



Graphite Ferrule
For MicroJet Tube, 5 pcs

Liquid Nitrogen Container

MJ1-1500



Bench Top Liquid Nitrogen Container Set
Thermal exchange coil, Liquid nitrogen container (2 L), Container cap, Floating indicator, Stand

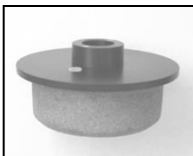
Bench Top Liquid Nitrogen Container Set (MJ1-1500)

MJ1-1511



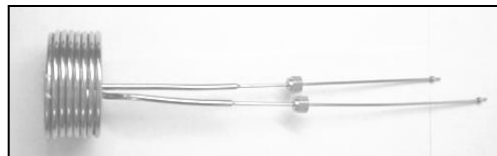
Liquid nitrogen container
For 2L container, 1ea

MJ1-1512



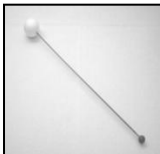
Container Cap
For 2L container, 1ea

MJ1-1305



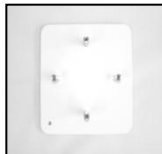
Thermal Exchange Coil (Standard)
For use with a 2L liquid nitrogen container, 1 set

MJ1-1517



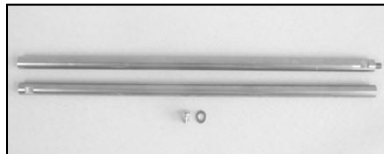
Indicator
1ea

MJ1-1513



Stand base
1ea

MJ1-1514



Stand pole
1set

MJ1-1515



Cramp
1ea

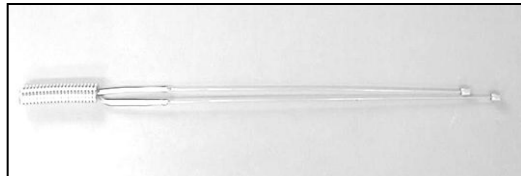
Liquid Nitrogen Container Set 10L (PY-1030E-U10)

MJ1-1521



Liquid Nitrogen Container 10L
JECC Torisha, Co. Ltd. CEBELL10, 1 set

MJ1-1304

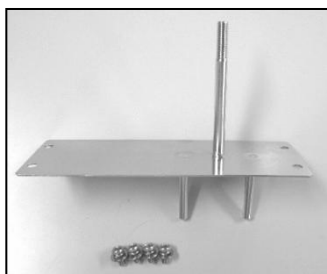


Thermal Exchange Coil 10L
For use with a optional 10 L liquid nitrogen container, 1 set
Chart Industrial Co.

Liquid nitrogen feed tube securing plate for major GCs

The shape and size of the liquid nitrogen feed tube securing plates vary depending on your GC model.

Choose the right one for your GC from the table below.



Securing Plate

1set

GC	SS adapter packing
Agilent 7890 / 6890	MJ1-1201
Shimadzu GC-2010 / 17A	MJ1-1204
Thermo Fisher TRACE GC	MJ1-1207

Miscellaneous parts

MJ1-1302

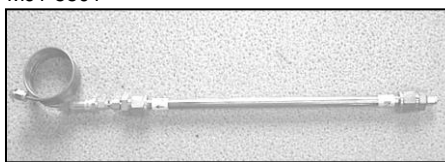


Liquid Nitrogen Feed Tube Assy.

1set

Replacement part is available with the part number MJ1-1352.
Returning the defective part is required.

MJ1-5501



MS (Molecular Sieve) Trap

With copper tube 1.2m and 15µm filter, 1 set

MJ1-4211

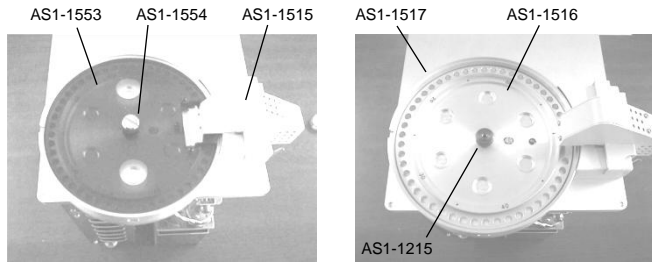


Short Plug

For terminating temp. sensor
input connector, 1 set

4. Auto-Shot Sampler (AS-1020E)

Component parts for upper section of unit



Component parts of top of Auto-Shot Sampler



Sample Cup Recovering Chute, 1ea



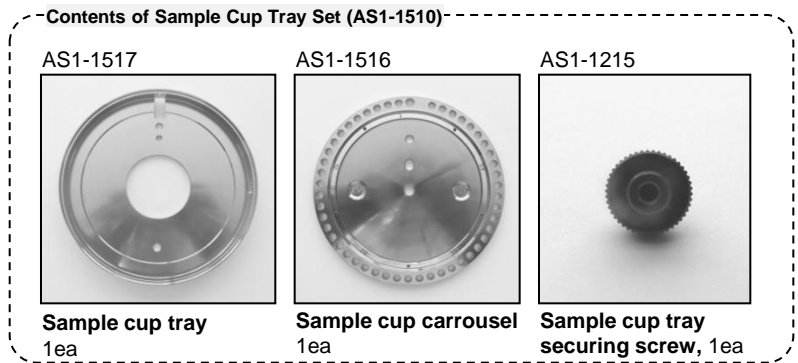
Sample Cup Recovery Container, 3ea



Sample Cup Tray Cover, 1ea



Sample Cup Tray Cover Securing Screw, 1ea



Contents of Sample Cup Tray Set (AS1-1510)



Sample cup tray, 1ea



Sample cup carrousel, 1ea



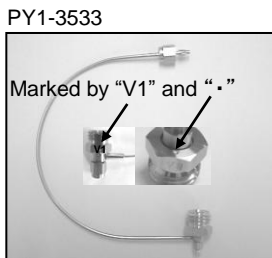
Sample cup tray securing screw, 1ea

Installation kits for major GCs

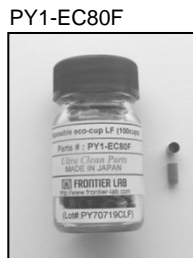
GC	P/N
Agilent 7890 / 6890 (front injection port)	AS1-K680
Agilent 7890 (rear injection port)	AS1-K780
Agilent 6850	AS1-K685
Shimadzu GC-2010 / 17A	AS1-K201
Thermo Fisher TRACE GC	AS1-K901 *

* Modification of gas reservoir (PY-1020E-K90) is required.

Miscellaneous parts



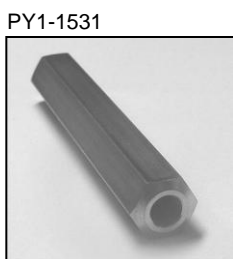
ITF union ASN, 1set
This is used in place of PY1-3513 when Auto-Shot Sampler is used.



Eco-cup LF
φ4 x 8mm, 80μl, 100 cups



Eco Cup Holder, 1ea
Eco holder (10 cups)



Sample Cup Inspector, 1ea



Valve Control Cable, 1ea



Auto-Rx Disc 100, 100 pcs (in 1 glass vial)



Auto-Rx Disc 300, 100 pcs (in 3 glass vial)

5. Micro UV Irradiator (UV-1047Xe)

UV light source lamp

UV1-7105



Xenon arc lamp (contains Hg), 1ea

UV1-7106



Xenon arc lamp (contains no Hg), 1ea

UV sampler parts

UV1-3801



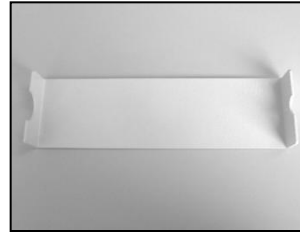
UV sampler, 1ea

UV1-7012



UV fiber Xe, 1ea

UV1-3802



UV sampler stand, 1ea

Miscellaneous parts

PY1-EC80UV



Eco cup UV with side openings
(80uL, 20pcs), 1set

UV1-7201



Dewar 350, 1ea
(liquid nitrogen container, 350mL)

UV1-7501



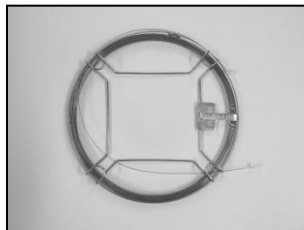
Dewar holder, 1ea

UV1-4201



UV sampler adjusting tool,
1ea

UA1-30M-0.5F



Ultra ALLOY metal capillary column, 1ea
(dimethylpolysiloxane, 30m, 0.25mm ID, 0.5um film)

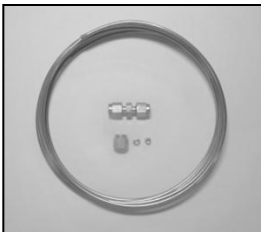
PY1-7802



Communication cable, 1ea
(RS-232C, D-sub 9pins, female)

UV tube kit (UV1-K001)

UV1-K101



Air tube set, 1set
[1/8 inch copper tube 3m, 1/8 inch union,
1/8 nut, back ferule and front ferule, 1ea]

UV1-K104



Tube extension set, 1set
[1/16 inch stainless steel tube 1.5m,
union sets for carrier gas connection, 2ea]