

Elemental List of parts

Part Number	Description
30058	Tubing Clear Plastic 50' Roll
30258	Tubing Peristaltic Pump
30422	Tubing 96400-14, Masterflex
32057	Vials, screw top (100/pk)
36117	Syringe, 25ul
36118	Syringe, 10ul
36127	Syringe 25ulW/ Rep Needle
36128	Needle Replacement 5Pk for 36127
37037	Solution Reagent " A" 4 Ga. L / Ca
37038	1 Gal. Bottle Of Solution Reagent
37120-GEL	Solution-Gel Kcl 10z
37708	Std. - H2O 25PPM Install.
37709	Std. - H2O 5PPM Install.
68006	Receiving Vessel Heater
68007	Receiving Vessel Chiller
69084	Septa, 20 mm, 10/pk
69090	Septa 12 mm Tef-BAC (Bulk)
69091	Septa, 12.5 mm (100 pk)
69117	Septa Hi Temp. Hts400 1/2" D
70002	Septa, 12.5 mm (12pk)
70047	O-Ring .989" id. x .070 S70
70049	O-Ring 1.614" id. x .070 S70
70061	Pyrolysis Tube, direct inject (w/734)
70072	Cyclone trap
70083	O-Ring .984" id. x .139 V70
70095	Fit. Brass 10-32 x 1/8"
70121	Cyclone Trap
70133	O-Ring 2.800" id. x .103 S70
70142	O-Ring 1.925" id. x .103 E70
70144	O-Ring 2.425" id. x .103 S70
70150	O-Ring 2.364" id. x .070 E70
70173	O-Ring .799" id. x .103 S70
70253	O-Ring .301" id. x .070 S70
70254	O-Ring .375" id. x .070 S70
71028	Drierite Refill Kit
71029	Quartz chips (50 gr/pk)
71033	Gas Dryer Drierite / Mol. Sieve
71035	Plug Teflon for 7134
71039	Quartz Boat 40mm (6/pk p/n 90101)
71046	O-Ring .056" id. x .060 V70
71050	O-Ring .984" id. x .139 S70
71051	O-Ring .864" id. x .070 S70
71058	Sight Glass 3/8"
71059	O-Ring .424" id. x .103 V70
71061	O-Ring, pyrotube outlet
71069	O-Ring .426" id. x .070 S70
71088	Rod Quartz Inlt Ovn Vertical
71091	O-Ring .426" id. x .070 Kalrez
71092	O-Ring .239" id. x .070 Kalrez
71118	Pyrolysis Tube (w/737-9)
71118-1	PYROTUBE,71118 W/ CERA
71121	Pyrolysis Tube (w/740 & 735)
71121-1	PyroTube 71121 w/ Ceramic

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71122	Multi-MatrixBoat (6/pk p/n 90110)
71123	Weigh Boat Multi-Matrix (6/pk p/n 90111)
71126	Tube, Inlet, Matrimatrix
71127	Pyrolysis Tube (w/734 & 740)
71128	Combustion Cup, quartz
71129	Pyrolysis Tube, quartz
71129-1	PYROTUBE,71129 W/ CERAMIC
71136-1	PYROTUBE,71136 W/SHORT NE
71136-2	PYROTUBE,SEAWATER,THICKWALL
71156	Pyrotube Quartz Fl. 9000F
71191	Pyrotube Fluoride Multi-Matrix
71194	O-Ring .489" id. x .070 V70
71231	O-Ring 1.487" id. x .103 N70
71303	Pyrolysis Tube, double pass
71323	Pyrotube 9000F Multi-Mat. W/ 734
81108	1 Pr. Cera Furn End 3/4" T
81109	1 Pr. Cera Furn End 1" T
90073	Syringe, 100ul
90110	Quartz Boats high-wall (6pk)
90111	Weigh Boats, quartz (6pk)
90112	Weigh Boat Carriers, quartz (6pk)
90178-0	Kit Glass 740/9000
90180	Kit O-ring Sul React. Ch.
90181	Kit O-ring Nit React. Ch.
	Spares
05013	Box Cardboard 12 x 12 x 4
05016	Box 22 x 12 x 12 350 D Wall
05043	Box 9000V W/ Feet
05044	Box 9000H W/ Feet
15067	Nut Ref. Electrode 9000F
15086	Block Multi-Matrix Tec
15088	Bkt Slide Lamp / Lens Hdr
15104	Tec 40mm 12V 5.5A Single
160-400-003	Red Finger-Tight Ftng
160-410-002	Flangless Ferrule Tefz
16125	Fit. Multi-Purp 12Mm
161-400-002	Teflon Tubing 1/16 Od
16208	Cable 50 Pin Round Shield 6'
16248	Wrist Strap, Anti-Static
16250	Cable Md. 9000 To Md. 735
16256-33	Cable Recorder Output 33"
16263	Cable 9000Hi Voltage P/S
16264	Cable 9000 Bulkhead Ext.
16273-15	Cable High Voltage
16285-30	Cable 9000 15 vdc To 58174
16350	Rs-232/485 Serial Cable Db9 - Db9
16361	Tec Assy. 40mm 12V 5.5A
16453	Cable Supplemental 5 vdc To 58173R
16454-17	Cable Pand for Supp 5V 5-Pin 4-Con
17164	Head for Pumpdrive 9000 Fluoride
17168	Sleeve Reaction Chamber
17190	Bkt. Slide Zinc Lamp Hldr
18027-1	Clamp. Spring S/S Pyro-Hld

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18038	Cover Plate 714
18039-1	Block Fluorescence Chamber
18073	Sensor Probe Platinum
190-410-001	Mounting Clip Mc-075
20061	Boat Positioner 706/707
20107	735" E" Step Motor Assy.
20108	Limit Sw. Assy. 735" E" Fwd
20109	Limit Sw. Assy. 735" E" Rev
21006-ACN5Y	Valve Air /16 6P N5 Y
21006-CN5Y-18	Valve Man. 6P N5 1/16 180
21006-N5-180	Valve Man. 6P N5 1/8" 180
21038-AN5	Valve Air 1/8" 6Uwp N5 4"
22003	Valve Metering Low-Flow B-Ss2-A
22058	Solenoid 4 Way 5 vdc Humph
22065	Actuator Rotary Pt006-90
22117	Valve Meter B-Ss1-A 1/16T
23012	Flowmeter 65-234-A125-5-G
23142-1000	MFC Porter Oxygen 1000 ML
23142-500	MFC Porter Oxygen 500 ML
23143-200	MFC Porter Argon / Helium 200 ML
25531	Bkt. Furn. Ceramic Close
27308	Plate Fan/12vdc P/S Mtng.
30000	Union, Brass Bulkhead 1/8"
30004	Tee, Run, Brass, Female 1/8"
30008	Ferrule Brass 1/8" Set
30018	Union, Br. Bulkhead 1/4"
30029	Ferrule 1/4" Vespel
30033	Ferrule S/S 1/8" Set
30042	Retainer Bulkhead 1/8"
30045	Union, Bulkhead, S/S 1/8"
30048	Union Tee, 1/8 Tube SS
30051	Union, S/S 1/4"
30060	Tubing Copper, 1/8" od. x .03Wall G
30063	Tubing 1/8 x .085 id. SS
30065	Tubing S/S 1/16 x .020 id.
30066	Teflon tubing 1/8" white (1 foot)
30069	Gas Line Copper 6Ft.
30080	Tubing S/S 1/16 x .040 id.
30081	Tube, 1/4" Teflon, 3/16id
30088	Tubing S/S 1/16 x .007 id.
30099	Thermocouple Adaptr Fit.
30133	Ferrule Zdv 1/16" S. S
30134	Fit. Cap Nut 3/8 S/S
30189	Union Reducer S/S 1/4"-1/16
30224	Fit. 3mm x 1/16 Hose Barb
30225	Fit. Hose Barb 3 Way
30228	Tee, Union 1/4" S/S
30236T	Tube, Expan 734A Lpg Treat
30264	Tubing Teflon 1/16" White
30267	Fit. Barb Nylon 1/4" -28
30343	Ferrule 1/16" Teflon
30384	Fit. Redu 1/8" 1/16T S/S
30393	Ferr Valco Red 1/8"To1/16
30426	Fit. 1/8" Plug Brass

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30460	Fit. 1/8" P 1/16T Br El
30523	Tubing Assy. Liq, Vlv " S. G"
30583	Fit. React. Chamb. Inlet
30607	Tubing Sulfinert, S/S, 1/16" od. X
30608	Tubing Sulfinert, 1/8" od. .085" Id
30608-36	Tubing, Sulfinert, Cut 36" (30608)
30608-7	Tubing, Sulfinert, Cut 7" (30608)
30614	Tubing Sulfinert, S/S, 1/16" od. .0
31054	Teflon ferrule 1/4" (10-pack)
31258	Sample Transfer Line/9F
430-100-001	Te Cooler
45037	P/S High Volt. Dc-Dc
45204	Module 5B Mv Input
45205	Module 5B Rtd Input
45206	Module 5B Type K Input
45222	Module 5B + / -10In 0-5Out
470-100-001	Chopper Motor for Gs-1000
475-100-002	Solenoid Valve Tef Gs
50007	Relay 240 D-3 (Opto-22)
50012	Relay Spst 117Sip6
50025	Ssr Grayhill 70-Odc5
50032	Ssr Pcm Dc Read 70-Odc5R
54144	Breaker / Switch 10A Carlin
54145	Breaker / Switch 15A Carlin
550-220-001	Znse Lens Uncoated
550-240-001	Optical Fiber 1031
550-240-002	Optical Fiber 1052
550-240-004	Optical Fiber 1117
550-240-005	Optical Filter 1159
550-240-006	Optical Filter 1177
550-240-008	Optical Fiber 1188
550-240-009	Optical Filter 1205
550-240-010	Optical Fiber 1366
550-240-011	Optical Fiber 1605
550-240-012	Optical Filter 1625
550-240-014	Optical Fiber 1654
550-240-016	Optical Fiber 2083
550-240-017	Optical Fiber 2852
550-240-018	Optical Filter 812
550-240-019	Optical Fiber 915
550-240-020	Optical Fiber 966
550-240-021	Optical Filter 676
550-240-022	Optical Filter 698
550-240-023	Optical Filter 729
550-240-024	Optical Fiber 739
550-240-025	Optical Filter 769
550-240-028	Optical Filter 742
550-240-029	Optical Filter 795
550-460-044	Mounting Plate Sol Valve
550-600-040	4800 Filter Assy. See Doc Asp1
550-600-042	4258 Filter Assy. See Doc Asp1
56059R2	PCB Pci Daq N. I.
58033R11-115V	PCB Pc 735E Uc Based 115 Vac
58033R11-230V	PCB Pc 735E Uc Based 230 Vac

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Part Number	Description
58132R2	PCB Assy. Frt Panel 734D
58134R2	PCB Assy. Rear Panel 734D
58137R1	PCB Assy. Round PMT Pre-Amp
58141R3-2	PCB Signal 9000 Series
58144R7	PCB Assy. Fluoride
58145R2	PCB Md. 9000F Rear Dist
58146	PCB Assy. Dist Fluo Fr
58160R3-02	PCB High Volt. 9000
58167R3-00	PCB Det. Power Dist.
58169R3	PCB 9000 Elect Pwr Dist
58170R2	PCB, 9000 Furn. Pwr Dist
58170R2-02	PCB, Power Dist 9000V SAS
58171R2-00	PCB, 9000, Pressure Board
58171R2-01	Upgrade, Trace N. Compon's
58173R6-01	PCB, Ext. Timed Events 9000
58173R6-02	PCB, Ext. Timed Events 9000V SAS
58174R3	PCB, Int. Timed Events
58175R5	PCB, Output Control
58179	PCB RS485 Communication
58184R2	PCB, 9000V SAS Carrousel
58193R1-02	PCB, MFC Control, Porter 2 Pos.
58193R1-04	PCB, MFC Porter Series. 4 Pos., 9000
58244r1	PCB 735 Front Panel Board
61005-1	Fan Assy. 115V 740
61016-1	Fan Assy. 230V 740
61024	Coupling Stepper Motor 3000
61042	Bearing Linear Plastic
61057	Fan 3" Box 12 vdc 9000 Det
63030	Tubing Shrink 1/8" Black
63031	Tubing Shrink 1/4" Black
69114	Solenoid 1/8" NPT 4Way 240
70008	Elbow Glass 18/9 Socket x 90
70030-2	Photomultiplier Tube, Nitrogen
70030-2	Pm Tube R2228 Nitrogen (9000)
70032	Filter. Band Pass 1.25" Dia
70058	Membrane Dryer
70090	Photomultiplier Tube, Sulfur
70130	Cooler 2 Stage 12V 2.8Amp
70151	Tec Sealed Assy. 2Stg 12V
70185	Gasket PVC PMT Fl. Ch.
70188	PVC PMT Sm. Socket Dynode
71011	Drycap Indicating
71038	Clamp 28 Mod for Glass Inlet
71043-1	Drive Rod Multi-Matrix
71078	Ozone Cell Assy. Md. D
71093-1	Lens Collim U. V.
71095	Filter UV Cs-7-54
71097	Lamp Zinc Discharge Sulfur
71097-2	Lamp, Zc Discharge w/ 2pin Conn 84191
71098	Filter Interference for 90180
71111	In-Line Filter (nitrogen only)
71124	Weigh Boat Multi-Matrix (6/pk p/n 90112)
71137-0	Scrubber Hop/Dri 1/8" -1/8" (S/LI
71137-2	Scrubber Cat/Dri 1/4" -1/8" (N/Ns

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Part Number	Description
71173	Pump Head Peristaltic
71238	Filter S/S-2F-T7-05 . 5Micr
71238T	FILTER, .5MICRON, TREATED
71247	Scrubber Dririte 1/8" -1/8"
71314	Electrode Fluoride Sensing
71315	Electrode Reference
71315-KIT	Electrode, Reference
71315-KIT	Electrode Reference Kit W/ Kcl
72001	Moleculite Refill Kit
79098	Cerafelt Insul. 4' X 8'Sht 320Sqf
79127	Cerafelt (2" x 2")
79127	Cerafelt Insulation 2"X 2"
80001	P/S 5 vdc
80045	Conn. lec AC / Fuse
80048	Temp. Cont. Cal 3200
80051	P/S UV BHK
80067	Corcom 30A 30Vx6 9000F
80076	P/S 12 vdc 40Watt
80077	P/S +/- 15 vdc +5 40Watt
80087	Filter Power 20A Dual Pi
80088-115V	P / S, Assy. 5 Vdc 9000
80088-115V	P/S Assy. 5 vdc 9000
80090-115V	Xfmr Assy. 24 Vac, 115v
80090-115V	Xfmr Assy. 24 Vac, 115V
80090-230V	Xfmr Assy. 24 Vac, 230v
80090-230V	Xfmr Assy. 24 Vac, 230V
80096	Temp. Cont. Cal 3300
80098-115V	Cable, 9000, Corcom Assy.
80098-115V	Cable 9000 Corcom Assy.
80098-230V	Cable, 9000, Corcom Assy.
80098-230V	Cable 9000 Corcom Assy.
80099-230V	P / S, 24 Vdc Assy. (230v)
80148	P/S +12vdc 9Amp 100W Coolers
81001	Fuse 1A
81002	Fuse 2A
81003	Fuse 3A
81005	Fuse 5A
81012	Fuse 15A
81013	Fuse 12A
81025	Power Cord Shuko C13 230V
81029	Fuse Kit 1 2 3 5 Amp (5 Each)
81034	Hasp Latch (Inlet Top) 772C
81045	Boot Fit. Light Leak 1/8"
81050	Boot Light Leak 1/4"
81068	Heater Cart. 100W-240V 1/4"
81069	Heater Cart. 100W-120V 1/4"
81071	Heater Assy. Inlet 220V 772C
81100	1 Pr. Cera Furn End 1/2" T
81119	Fuse Mini 2 Amp
81120	Fuse Mini 1 Amp
81124	Fuse Mini 3 Amp
82026	Clamp 18 Ball Joint
82056	Ozone Transformer Md. D

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Part Number	Description
83128	Fuse Holder 5/8"
84250-20	Rib. Cable 26Pin 20"
84250-3	Rib. Cable 26Pin 3"
84283-18	TERMINAL 18-24AWG FM MINI-FIT TIN
84285-2	CONN. 2PIN MINI-FIT MOLEX
85026	Dial Turn Counting
86009	Thermocouple Platinel Inlet
86021	Thermocouple Plat Dual Leads
86051	Thermocouple Type T 9000
86058	Furnace 8"
86059	Furnace 12"
86059	Furn 120V/240V 13" Fiber
86067	Kit Heater Insulation
86078	Heated Transf Line Assy.
90130-115V	Acc. Kit Md. 734 115v
90173	Install. Kit 735e/9000V
90178-2	Kit Glass Md. 740 W/ 734
90253	Kit Samp. Line Of 734 Acc
90371-1	Kit 9000S Ext. Tray Wiring
90386	Kit 740 Multi-Purp Fitng
90390	Kit Tested Cables
91248	Mounting Bkt. Assy Md. 748 / Md. 74
92228	Nit. React Ch. Assy. PVC
92235	Sulfur Reaction Chamber Assy. PVC
92254	9000 N. Det. Assy. PVC PMT
92255	Sulfur Det. Assy. PVC PMT 9000
92256	PVC PMT Tec Sm. Dyn Type T
92287	Trace Nit. React Ch PVCpm
92288	9000 TN Det. Assy. PVC PMT
95830	Furn. Assy. 9000 120/240V
PAL.CORDH	SHORT BUNGEE CORD APPROX 4" LONG
PAL.CORDL	LONG BUNGEE CORD APPROX.11" LONG