Recommended spare parts

Power supply

Part Number	Description	Designator	Qty.
003142	Relay: 120 volt, double pole, double throw	K1	1
129633	Green power lamp assembly		1
129792	Chopper assembly	CH1, CH2, CH3, CH4	1
127039	6" fan: 230 CFM, 115 VAC 50-60 HZ		1
027079	10" fan: 450-550 CFM, 120 VAC 50-60 HZ		1
003149	Relay: Pilot arc, 120 VAC	CR1	1
229213	PCB: I/O		1
003218*	Contactor	CON1	1
003233**	Contactor	CON1	1
109004	Current sensor: Hall 100 amp, 4 volt	CS1, CS2, CS3, CS4	1
229238	Start circuit assembly	PCB1	1
008709*	Fuse: 20 amp, 500 volt	F1, F2	2
108847**	Fuse: 7.5 amp, 600 volt	F1, F2	2
141030	PCB: Control (Primary power supply)	PCB3	1
141144	PCB: Control (Secondary power supply)	PCB3	1
041802	PCB: Power distribution	PCB2	1
108028	Fuse: 3 amp, 250 volt	F5, F6, F7	3
108075	Fuse: 6.3 amp, 250 volt (slow-blow)	F1, F2, F3	3
108709	Fuse: 10 amp, 250 volt	F4	1
141027	PCB: Pump motor drive	PCB7	1
229340	Snubber board		1
229360	Contactor: 500 amp DC 120 VAC COIL	Con2, Con3	2

* 200/208, 220 and 240 volt power supplies
** 380, 400, 440, 480 and 600 volt power supplies

Chiller interface console

Part Number	Description	Designator	Qty.
041897	PCB: Console power distribution		1
008756	Fuse: 5 amp, 250 volt (slow-blow)	F1	1
027634	Filter housing (on the rear panel of the cooler)		1
027664	Filter element		1
229235	Flow sensor	FS1	1
006113	Check valve: 3/8" FPT		1
229345	Solenoid valve		1
141033	PCB: Cooler sensor		1
229224	Temperature sensor		1

Chiller ~~(PolyScience)~~

All part numbers, except 038123 and 428892, are for use with the PolyScience chiller. See the manufacturer manual that came with the chiller for a more detailed parts list.

Part Number	Description	Qty.
038123	Chiller:14.3KW, 3PH, 380-400V, 50HZ, 460V, 60HZ	1
428892	Chiller:14.3KW, 3PH, 380-400V, 50HZ, 460V, 60HZ F-Gas	1
040266*	Contactor	1
040276*	Fuse: 30 amp	1
040278*	Fuse: 5 amp	1
040279*	Fuse: 6 amp	1
040275**	Fuse: 3.5 amp	1
040265***	Contactor	1
040273***	Fuse: 15 amp	1
040272****	Fuse: 1 amp	1
040274****	Fuse: 2.5 amp	1
040277*****	Fuse: 4 amp	1
040280 (all voltages)	Fuse: 1 amp	1
040267 (all voltages)	Contactor	1
040281 (all voltages)	Fuse: transformer 1.4 amp	1
040282 (all voltages)	Fuse: transformer 3.5 amp	1
040270	Fan: 115 volt, 32 CFM	1
040269	Dual float switch	1
040271	Flow switch	1
040298	Recirculation pump: 1/2 HP, 3PH, 50/60HZ (200-240 volt, 380-460 volt)	1
040299	Recirculation pump: 1/2 HP, 3PH, 60HZ (575-600 volt)	1
040296	Process pump: 1 HP, 3PH, 50/60HZ (200-240 volt, 380-460 volt)	1
040297	Process pump: 1 HP, 3PH, 60HZ (575-600 volt)	1
040295	Valve: Pressure relief valve, 200 psi	1
040301	Sensor: Water pressure transducer	1
040284	Motor: fan, 1140 rpm (200-240 volt, 380-460 volt)	1
040285	Motor: fan, 1140 rpm (575-600 volt)	1
040312	Air filter	3
040322	“Y” strainer for process	1

Ignition console

Part Number	Description	Designator	Qty.
041817	HFHV Ignition PCB		1
129854	Transformer	T1	1

* 200 and 240 volt units
** 380 and 440 volt units
*** 380, 440, 460, 480, 575, and 600 volt units
**** 575 and 600 volt units only
***** 200, 240, 380, 440, 460, and 480 volt units

Selection and metering consoles

Part Number	Description	Designator	Qty.
228069	Kit: Control PCB	PCB2	1
041897	Power distribution PCB	PCB1	1
008756	Fuse: 5 amp, 250 volt (slow-blow)	F1	1
041822	Valve driver PCB	PCB3	1
008756	Fuse: 5 amp, 250 volt (slow-blow)	F1	1
228984	Solenoid valve	SV3 and SV10	2
006109	Solenoid valve	SV1, SV2, SV4-SV9, SV11-SV15	4
005263	Pressure sensor		1
011109	Air filter housing (on the rear panel of the selection console)		1
011110	Air filter element		1