

# PHI Quantera II Consumable Parts

## Contents

BASE SYSTEM .....	2
PUMPS.....	2
GAUGES.....	2
ANALYZER.....	2
ION GUN.....	2
MONOCHROMATED X-RAY SOURCE .....	3
NEUTRALIZER .....	3
SAMPLE PLATENS and PARTS.....	3
MISCELLANEOUS .....	4
MISC PARTS.....	4
Gaskets/O-Rings.....	4
FUSES .....	5
OPTIONS.....	5
C60 ION GUN.....	5
GAS CLUSTER ION BEAM (GCIB).....	6
DUAL TURBO OPTION .....	6

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Part Number	Description	Quantity
<b>BASE SYSTEM</b>		
<b>PUMPS</b>		
628214	ASSY-COOLING FINGR,OPTICS BLOC	1
628239	Rough Pump Oil-Type P3-5 Liter (Pfeiffer Pump)	1 Bottle
648914	Rough Pump – Oil Mist Filter – Copper Sieve - 4”	
713071	Trap – Molecular Sieve, MDC	1
715518	Turbo Pump Wick for Hi Pace 80	1
715519	Turbo Pump Wick for Hi Pace 300	1
725038	Tip Seal Kit for Edwards Scroll Pump-Model nXDS15i	1
	<b>Ion Pump Element Replacement Parts</b>	
730020	Kit – 4 Elements, Noble, 200L, Agilent	3
629793	Nut – Hex, #8-32, Silver Plated, SST Clean	24
639838	Strap – Elect, SLTD, 48 inches, Clean	1
730019	HVFT – Ion Pump, 1.33CF, Fisher, Agilent	1
2141400	Sublimator Filaments	3
<b>GAUGES</b>		
705313	TC Gauge Tube-1/4 VCR Varian 5 (Agilent gauge controller)	1
705317	Ion Gauge, Glass-Intro (Agilent gauge controller)	1
705319	Ion Gauge, Nude-Chamber (Agilent gauge controller)	1
725351	Filament Replacement-Thoriated-Iridium (Agilent gauge controller)	1
805326	Optional Tungsten Filament Replacement (Agilent gauge controller)	1
<b>ANALYZER</b>		
726684	Channel plates Replacement	1 Kit
644514	Multi-Channel Detector-32 Channel Anode	1
<b>ION GUN</b>		
627206	Argon Lecture Bottle-1400 psig	1
702056	Ion gun Ionizer assembly	1

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	<b>MONOCHROMATED X-RAY SOURCE</b>	
625783	ASSY-XTAL/SUBSTRATE, ELLIPSOID	1
629888R	Al. Window Assy	1
729614	LaB6 Filament for X-Ray E-Gun	1
805331	Anode Replacement Kit	1
	<b>NEUTRALIZER</b>	
636233R	Neutralizer Assembly-BaO2 (Rebuilt)	1
805397	Neutralizer Assembly-Tantalum	1
	<b>SAMPLE PLATENS and PARTS</b>	
C72040	BeCu Spring Clip	1
573601	Screw, Pan Head, M2.0 x 4, Phillips, SST	1
573604	Screw, Pan Head, M2.0 x 8, Phillips, SST	1
573606	Screw, Pan Head, M2.0 x 12, Phillips, SST	1
573607	Screw, Pan Head, M2.0 x 16, Phillips, SST	1
574803	Flat Washer, M2, 2.2 ID, 5.0 OD	1
629988	Model 760 Platen, Faraday Cup	1
630152	Mask, 1mm Aperture	1
630153	Mask, Flared, 1mm Aperture	1
630154	Mask, 2mm Aperture	1
630155	Mask, Fingered, 3mm Aperture	1
630171	Sample Mounting Hardware Kit	1
635890	Model 755 Platen, Angular Resolve (635230)	1
636775	Heating/Cooling Platen, 10 x 30 mm area	1
639107	Model 750 Platen, Standard (628484)	1
640588	800mm Faraday Cup	1
641425	Model 760A Platen, Faraday Cup	1
641428	Model 751A Platen	1
641431	Model 755A Platen, Angular Resolve	1
643822	Model 750A Platen (641427)	1

# PHI Quantera II Consumable Parts

MISCELLANEOUS		
MISC PARTS		
620913	Water Chiller Filter Cartridge-0.45 UP for Lytron <b>without</b> flow bypass or rotary pump	1
626739	Water Chiller mixed bed filter-Quantera Hybrid-in vacuum console	1
627207	Oxygen Lecture Bottle-1400 PSI	1
700526	Aluminum Foil-18" Wide x 250 Foot Roll	1
718083	Filter Cartridge for SMC Chiller (QII external cooler)	1
724649	Water Filter Cartridge-1.0 µm for Lytron <b>with</b> flow bypass or Rotary	1
726866	Nikuni chiller pump Consumable parts kit containing Seal (726676) and O-Ring (726682) (Lytron w/ turbine pump)	1
728891	High pressure pump for HRS012A20T (SMC Chiller)	1
728892	Mechanical seal set for HRS012A20T (SMC Chiller)	1
728893	Dustproof filter for HRS012A20T (SMC Chiller)	1
732781	MECHANICAL SEAL FOR RKS402J-MV,ORION (Orion Chiller)	1
732782	CASCADE PUMP FOR RKS402J-MV,ORION (Orion Chiller)	1
732783	FAN MOTOR FOR RKS402J-MV,ORION (Orion Chiller)	1
732784	INVERTER FOR RKS402J-MV,ORION (Orion Chiller)	1
Gaskets/O-Rings		
618134	Gasket, CU-4-VCR	10
619165	Gasket-Cu 4.62 OD Flange-Pkg 10	1
624725	O-Ring, Viton, Gas Inlet, 0.346 ID	1
626235	Gas Line Gasket Seal, CU-2-VCR	10
630270	O-Ring, 4.475 ID Viton-Intro Faceplate	1
630271	O-Ring, 5.350 ID Viton-Intro Window	1
630272	O-Ring, 7.975 ID Viton-Intro Door	1
630273	O-Ring, 23.94 ID Viton-Lid, Inner	1
630274	O-Ring, 24.94 ID Viton-Lid, Outer	1
724730	Gasket, Stainless Steel (Swagelok) SS-4-VCR-2-GR	10
2680750	Gasket-Cu 1.33 OD Flange-Pkg 10	1

# PHI Quantera II Consumable Parts

2681500	Gasket-Cu 2.75 OD Flange-Pkg 10	1
2682000	Gasket-Cu 3.375 OD Flange-Pkg 10	1
2686000	Gasket-Cu 8.00 OD Flange-Pkg 10	1
	<b>FUSES</b>	
171300	Fuse-3AG, 0.50A, 250V Slow-Blow	1
171302	Fuse-3AG, 1A, 250V Slow-Blow	1
171303	Fuse-3AG, 1.50A, 250V Slow-Blow	1
601265	Fuse-3AG, 5A, 250V Slow-Blow	1
609040	Fuse, Pico, 1A, 125V, Radial	1
624036	Fuse-2AG, 0.375A, Slow-Blow, Pigtail	1
628240	Fuse-3AG, 20A, 250V Very Fast-Blow	1
628527	Fuse-3AG, 10A, 250V	1
628528	Fuse-3AG, 15A, 250V	1
1003791	Fuse-3AG, 0.25A, 250V	1
	<b>OPTIONS</b>	
	<b>C60 ION GUN</b>	
706215	C60 Powder Cartridge 250 mg	1
706218	C60 Filament Assy. (E1121A) (10KV)	1
707667	C60 Filament Assy. (E1487A) (20KV)	1
707673	C60 Temperature Sensor (20KV)	1
707679	C60 Heater (20KV)	1
715518	Hi Pace 80 Turbo Pump Oil Wick	1
807194	KIT-REPLACE,DIAPHRAGM, MVP 035	1
807195	KIT-REPLACE,DIAPHRAGM, MVP 040	1
807196	KIT-REPLACE,SILENCER,MVP 035/040	1
807197	KIT-REPLACE,RING,SEAL, MVP 035/040	1
807198	KIT-REPLACE,HOSE,MVP 035/040	1
807199	KIT-REPLACE,VALVE,BALLAST,MVP 035/040	1
807200	KIT-REPLACE,FUSE, MVP 040	1



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	<b>GAS CLUSTER ION BEAM (GCIB)</b>	
244-00009	FILTER-OIL MIST,KF25,ALCATEL	1
622561	Filter-Exhaust, Vac Pump, KF-16	2
623104	Rough Pump-Oil Mist Filter-Copper Sieve, 4"	2
628239	Rough Pump Oil (Pfeiffer Pump) 5 liter	1
709807	SOURCE-CERAMIC INSULATOR	1
709813	LENS-CERAMIC INSULATOR	1
710728	Rough Pump Oil (Pfeiffer Pump) 1 liter	1
715475	Skimmer, GCIB	1
715518	Hi Pace 80 Turbo Pump Oil Wick	1
715519	Hi Pace 300 Turbo Pump Oil Wick	1
724730	Stainless Steel Gasket (Swagelok)-SS-4-VCR-2-GR	10
725677	Filament Assembly installation Kit-2 Turbo GCIB	1
	<b>DUAL TURBO OPTION</b>	
715518	Turbo Pump Wick for Hi Pace 80	1
807194	KIT-REPLACE,DIAPHRAGM, MVP 035	1
807195	KIT-REPLACE,DIAPHRAGM, MVP 040	1
807196	KIT-REPLACE,SILENCER,MVP 035/040	1
807197	KIT-REPLACE,RING,SEAL, MVP 035/040	1
807198	KIT-REPLACE,HOSE,MVP 035/040	1
807199	KIT-REPLACE,VALVE,BALLAST,MVP 035/040	1
807200	KIT-REPLACE,FUSE, MVP 040	1