

PHI Quantera II

Consumable Parts List

Contents

VACUUM SYSTEM	2
PUMPS.....	2
GAUGES.....	2
GASES	2
SEALS (Gaskets/O-Rings).....	3
COMPONENT PARTS	4
ANALYZER.....	4
NEUTRALIZER	4
ION GUNS.....	4
X-RAY SOURCE (MONOCHROMATOR)	4
MISCELLANEOUS.....	5
FUSES	5
LAMPS/FOIL/BULBS.....	5
SAMPLE PREP/PLATENS	5
COMPUTER/PRINTER	6

JULY 2017

PHI Quantera II

Part Number	Description	Quantity
VACUUM SYSTEM		
PUMPS		
628239	Rough Pump Oil-Type P3-5 Liter (Pfeiffer Pump)	1 Bottle
715518	Turbo Pump Wick for Hi Pace 80	1
715519	Turbo Pump Wick for Hi Pace 300	1
630660	Di Ion Pump Elements	12
727970(PHI) 320531(Gamma)	Triode Ion Pump Elements 240 l/s pump Note: MPC Negative polarity board (P/N 727917) required for changing from Di elements to Triode and requiring 4ea retaining brackets (P/N 805422)	12
727971	Negative Polarity Board for MPC for triode pump elements	1
554000	TL011 Oil for Turbo Wick	1
648914	Oil Mist Filter, Rough Pump-For Alcatel Pump-Model OME 25S	1
2141400	Sublimator Filaments	3
725038	Tip Seal Kit for Edwards Scroll Pump-Model nXDS15i	1
GAUGES		
705319	Ion Gauge, Nude-Chamber (Agilent gauge controller)	1
705317	Ion Gauge, Glass-Intro (Agilent gauge controller)	1
705313	TC Gauge Tube-1/4 VCR Varian 5 (Agilent gauge controller)	1
725351	Filament Replacement-Thoriated-Iridium (Agilent gauge controller)	1
805326	Optional Tungsten Filament Replacement (Agilent gauge controller)	1
GASES		
627207	Oxygen Lecture Bottle-1400 PSI	1
627206	Argon Lecture Bottle-1400 psig	1

JULY 2017

PHI Quantera II

	SEALS (Gaskets/O-Rings)	
725038	Tip Seal Kit for Edwards Scroll Pump-Model nXDS15i	1
2680750	Gasket-Cu 1.33 OD Flange-Pkg 10	1
2681500	Gasket-Cu 2.75 OD Flange-Pkg 10	1
2682000	Gasket-Cu 3.375 OD Flange-Pkg 10	1
619165	Gasket-Cu 4.62 OD Flange-Pkg 10	1
2686000	Gasket-Cu 8.00 OD Flange-Pkg 10	1
618134	Gasket, CU-4-VCR	10
626235	Gas Line Gasket Seal, CU-2-VCR	10
630274	O-Ring, 24.94 ID Viton-Lid, Outer	1
630273	O-Ring, 23.94 ID Viton-Lid, Inner	1
630272	O-Ring, 7.975 ID Viton-Intro Door	1
630271	O-Ring, 5.350 ID Viton-Intro Window	1
630270	O-Ring, 4.475 ID Viton-Intro Faceplate	1
624725	O-Ring, Viton, Gas Inlet, 0.346 ID	1
724730	Gasket, Stainless Steel (Swagelok) SS-4-VCR-2-GR	10

JULY 2017

PHI Quantera II

COMPONENT PARTS		
	ANALYZER	
627150	Channel plates Replacement	1Set
644514	Multi-Channel Detector-32 Channel Anode	1
	NEUTRALIZER	
636233R	Neutralizer Assembly-BaO2 (Rebuilt)	1
805397	Neutralizer Assembly-Tantalum	1
	ION GUNS	
		1
702056	Ion gun Ionizer assembly	1
	X-RAY SOURCE (MONOCHROMATOR)	
649374	LaB6 filament for X-Ray source E-Gun	1
805331	X-Ray Anode Replacement Kit (includes 715011 anode assembly)	1
		1
620913	Water Chiller Filter Cartridge-0.45 UP for Lytron without flow bypass or rotary pump	1
626739	Water Chiller mixed bed filter-Quantera Hybrid-in vacuum console	1
718083	Filter Cartridge for SMC Chiller (QII external chiller)	1
724649	Water Filter Cartridge-1.0 µm for Lytron with flow bypass or Rotary	1

JULY 2017

PHI Quantera II

MISCELLANEOUS

FUSES

609040	Fuse, Pico, 1A, 125V, Radial	1
171300	Fuse-3AG, 0.50A, 250V Slo-Blo	1
171302	Fuse-3AG, 1A, 250V Slo-Blo	1
171303	Fuse-3AG, 1.50A, 250V Slo-Blo	1
601265	Fuse-3AG, 5A, 250V Slo-Blo	1
628240	Fuse-3AG, 20A, 250V Very Fast-Blo	1
628527	Fuse-3AG, 10A, 250V	1
628528	Fuse-3AG, 15A, 250V	1
624036	Fuse-2AG, 0.375A, Slo-Blo, Pigtail	1
1003791	Fuse-3AG, 0.25A, 250V	1

LAMPS/FOIL/BULBS

700256	Aluminum Foil-18" Wide x 250 Foot Roll	1
--------	--	---

SAMPLE PREP/PLATENS

639107	Model 750 Platen, Standard (628484)	1
635890	Model 755 Platen, Angular Resolve (635230)	1
629988	Model 760 Platen, Faraday Cup	1
636775	Heating/Cooling Platen, 10 x 30 mm area	1
643822	Model 750A Platen (641427)	1
641428	Model 751A Platen	1
641431	Model 755A Platen, Angular Resolve	1
641425	Model 760A 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

JULY 2017

PHI Quantera II

C72040	BeCu Spring Clip	1
574803	Flat Washer, M2, 2.2 ID, 5.0 OD	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
630171	Sample Mounting Hardware Kit	1
640588	800mm Faraday Cup	1
	COMPUTER/PRINTER	
	ALL PC AND PRINTER MEDIA ARE CONSUMABLE	

JULY 2017