

LAMP PUMPED LASER HEADS

High performance and reliability



Part No: CHBA118

LASER SYSTEMS: Quantronix 118, 250 Watt

DESCRIPTION: High Stability Single-Lamp Pumped Solid-State Laser Chamber used for precision cutting, annealing and welding.

ASSEMBLIES:

REFERENCE	PART NUMBER	DESCRIPTION
1	ORK118	O-Ring Kit
2	GCA118	Gold Cavity Assembly, Complete
3	BA118	Head Block Assembly (Less Cavity Reflector, YAG Rod & Lamp Assemblies)
4	HBA118	Head Block Assembly (Less YAG Rod & Lamp Assemblies)
5	CHBA118	Complete Head Block Assembly (Includes 7 mm Rod)

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LASER HEAD COMPONENTS:

REFERENCE	PART NUMBER	DESCRIPTION
1	CHI18T	Cavity Refelctor Holder, Top
2	CHI18B	Cavity Reflector Holder, Bottom
3	GCEI18	Gold Cavity Reflector
4	CM114	Coolant Manifold Required for Water Fittings
5	CEPI18	Cavity End Plate
7	LSI18/LSI18A	Light Shield Sleeve (2 Required)
8	ORKI18	O-Ring, Silicone (Included in Kit)
9	LHB117	Lower Head Block
11	CPP114	Crystal Pressure Plate, Front
12	LPPI14	Lamp Pressure Plate, Front
14	LEPI14	Lamp End Plate
16	UHB117	Upper Head Block
17	WF033	Water Fitting for Coolant Manifold CM114
19	YRI18	YAG Rod, 7 mm, Unmounted
21	YRAI18	YAG Rod Assembly, Complete
23	RFT118	Rod Flow Tube
24	YRHI18	YAG Rod Holder
27	PRI16	Pressure Ring
28	RRI16	Retaining Ring
29	CNI14	Crystal Nut
30	ORKI18	O-Ring Silicone, 7 mm
32	PTI18	Pressure Tube
34	LFT118	Lamp Flow Tube, Pyrex
35	LFT118CE	Lamp Flow Tube, Cerium Doped Quartz
36	LLI18	Laser Lamp
38	PWI49	Pressure Washer
39	CSA116	Cathode Socket Assembly
40	ASA116	Anode Socket Assembly
41	ORN804	O-Ring Nitrile (10PCES/PKT)
42	THR150	Threaded Retainer

FREQUENTLY USED CONSUMABLES:

REFERENCE	ITEM	PART NUMBER
1	LFT118	Lamp Flow Tubes, Pyrex
2	LFT118CE	Lamp Flow Tube, Ce doped quartz
3	CSA116	Cathode Socket Assembly
4	ASA116	Anode Socket Assembly
5	LLI18	Laser lamp
6	D8811	DI Cartridge
7	PF30	Particle Filter

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