

Technical Specifications

Ultraviolet radiation in the 200-300 nanometer(nm) range is extremely effective in killing microorganisms such as airborne and surface bacteria, viruses, yeasts and molds.

AQUA BEST TECHNOLOGY LIMITED low-pressure,mercury-arc germicidal lamps are specially designed to produce the highest amounts of UV radiation typically about 90% of the total rated energy is at 253.7nm. This radiation is very close to the peak of germicidal effectiveness curve of 265nm, the most lethal wavelength to microorganisms (see graph below). Our germicidal lamps are used extensively in air and water purification applications such as in the food and beverage industry, medical applications, HVAC systems(Heating, Ventilating, and Air-Conditioning, pharmaceutical and semiconductor sterilization applications. In addition, they are used in drinking water, waste water and ground water remediation.

UV Lamp White

UV Lamp Part #	POWER	BF-BF	WAVELENGTH	MODEL
GPH212T5L/4-LT	10W	212mm	254nm	LT1
GPH287T5L/4-LT	14W	287mm	254nm	LT2
GPH436T5L/4-LT	24W	436mm	254nm	LT6
GPH645T5L/4-LT	32W	645mm	254nm	LT8
G36T5L/4-LT	39W	843mm	254nm	LT12
GHO36T5L/4-LT	87W	843mm	254nm	LT24
GPH212T5L/4C	10W	212mm	254nm	AB-1A
GPH287T5L/4C	14W	287mm	254nm	AB-2A
GPH436T5L/4C	24W	436mm	254nm	AB-6A
GPH645T5L/4C	32W	645mm	254nm	AB-8A
G36T5L/4C	39W	843mm	254nm	AB-12A AB-12B and above

UV Lamp Red

UV Lamp Part #	POWER	BF-BF	WAVELENGTH	MODEL
E287LS	14W	282mm	254nm	PA-2/PE-2S/S1E
E330LS	17W	325mm	254nm	PA-3/PE-3/ASUB/S2E
E463LS	25W	458mm	254nm	PA-6/PE-6/ASUB/S5E
E810LS	37W	805mm	254nm	PA-8/PE-8/S8E
E36LS	39W	835mm	254nm	VAL12,24,35,50,60 /PE-12 /PA-12/ASUB-39 /S12E
T201LS	30W	300mm	254nm	ST201
T321LS	36W	415mm	254nm	PA-18/ST321
T411LS	45W	505mm	254nm	PA-24/ST411
T601LS	65W	695mm	254nm	PA-35/ST601
T741LS	80W	835mm	254nm	AB-8A/PA-42/ST741
T951LS	100W	1045mm	254nm	PA-52/ST951
THO36LS	87W	838mm	254nm	VAL75,100,125,150 /PB CXL-4L100 5L125, 6L150/LT-12/PA-12
THO64LS	155W	1549mm	254nm	SCUR CXL-4L190 and above

UV Lamp White

UV Lamp Part #	POWER	BF-BF	WAVELENGTH	MODEL
GPH212T5LVH/4-LT	10W	212mm	185nm	LT1
GPH287T5LVH/4-LT	14W	287mm	185nm	LT2
GPH436T5LVH/4-LT	24W	436mm	185nm	LT6
GPH645T5LVH/4-LT	32W	645mm	185nm	LT8
GHO36T5LVH/4-LT	39W	843mm	185nm	LT12
GHO36T5LVH/4-LT	87W	843mm	185nm	LT24
GPH212T5LVH/4C	10W	212mm	185nm	AB-1A
GPH287T5LVH/4C	14W	287mm	185nm	AB-2A
GPH436T5LVH/4C	24W	436mm	185nm	AB-6A
GPH645T5LVH/4C	32W	645mm	185nm	AB-8A
G36T5LVH/4C	39W	843mm	185nm	AB-12A AB-12B and above

Quartz Sleeve

Quartz Sleeve Part#	Tube length mm	Inside diameter mm	Outside diameter mm	Spring Part#	MODEL
EQS287	287	20.00	23.00	SP-4446	S1E
EQS330	330	20.00	23.00	SP-4446	S2E
EQS463	463	20.00	23.00	SP-4446	S5E
EQS810	810	20.00	23.00	SP-4446	S8E
EQS36	890	20.00	23.00	SP-4446	S12E
TQS201	201	20.00	23.00	SP-4446	ST201
TQS321	321	20.00	23.00	SP-4446	ST321
TQS411	411	20.00	23.00	SP-4446	ST411
TQS601	601	20.00	23.00	SP-4446	ST601
TQS741	741	20.00	23.00	SP-4446	ST741
TQS951	951	20.00	23.00	SP-4446	ST951

Quartz Sleeve

Quartz Sleeve Part#	Tube length mm	Inside diameter mm	Outside diameter mm	Spring Part#	Model	Quartz Sleeve Part#	Tube length mm	Tube length mm	Outside diameter mm	Spring Part#	Model
QS245	245	20.00	23.00	NONE	AB-1A/ LT-1	QS732	732	20.00	23.00	SP3315	PA-35
QS331	331	20.00	23.00	SP4015	AB-2A/ PE-1/PA-2/LT2	QS845	845	20.00	23.00	SP4015	PA-8/PE-8
QS370	370	20.00	23.00	SP3315	ASUB-17/ PE-3/PA-3	QS872	872	20.00	23.00	SP3315	PA-42
QS452	452	20.00	23.00	SP3315	PA-18	QS890	890	20.00	23.00	SP4515	VAL/ASUB-39/PB CXL-4L100 5L125, 6L150/LT-12/PA-12
QS535	535	20.00	23.00	SP8015	ASUB-25/ PE-6/PA-6/LT6	QS1082	1082	20.00	23.00	SP3315	PA-52
QS542	542	20.00	23.00	SP3315	PA-24	QS1560	1560	20.00	23.00	NONE	SCUR CXL-4L190 and above

