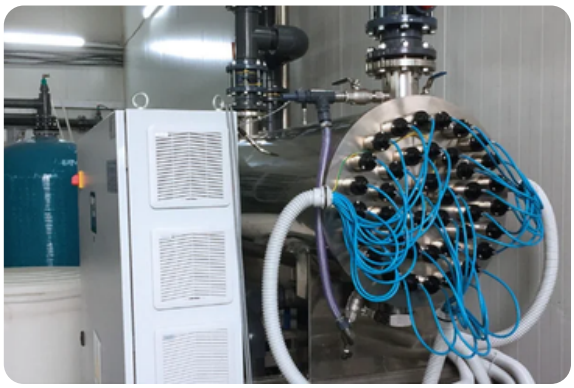
SITA UV SBT 4101/4132







This series is ideal for wastewater treatment. By using low and medium-pressure lamps, we have optimized the number of lamps for each systems. All models come with automatic sleeve cleaning and can optionally be combined with a chemical cleaning system. The panel with a touch screen is designed for seamlees integration with the main treatment plant's PLC. The irradiation sensor ensures consistent control of the disinfection level.

GENERAL INFORMATION	SBT 4101	SBT 4132
Max flow rate	17.7 m3/h	596 m3/h
UVC transmittance	65%- 1 cm	60%- 1 cm
UVC dose	400 J/m2	
Water Temperature range	5-50° C	
Total consumption	440 W	12800 W
Mounting	Horizontal (others on req)	

UV REACTOR	SBT 4101	SBT 4132
Material	Stainless Steel 316L	
Connections	DN 65 PN10 UNI EN 1092-1 PN 10 (ASME ANSI B16.5-150 or other on request)	DN 400 PN10 UNI EN 1092-1 PN 10 (ASME ANSI B16.5-150 or other on request)
Drain/Air Valve	¾" / ½"	
Max working pressure	10 bar / 145 PSI (Test 15 bar / 220 PSI)	
Protection class	IP65 / NEMA 4x	
Shape	U	
Flow direction	Both directions	
Quartz sleeve cleaning system: Automatic Wiper Chemical cleaning connections	Yes Yes (valves included)	

UV LAMP	SBT 4101	SBT 4132
Number	1	32
Lifespan	16000 h	9000 h
Type	Low pressure amalgam lamps type 028118	HO LP lamp type 028124

UV SENSOR	
Type	UVC selective sensor type UV737S (other on request)
Sensor Cable	Shielded cable 4 meters
Sensor holder material	Stainless steel 316L

CONTROL PANEL	TC PLUS (SBT 4101)	TC PLUS (SBT 4132)
Material and colour	Painted Steel – RAL 7035	
Protection class	IP 54 / UL NEMA 12	
Ambient temperature range	5 – 45 °C	
Rel. humidity	20-95% non-condensing (condensing on request)	
Power supply	230 V - 50/60 Hz (400 V 3ph+N – 50/60 Hz on request)	400 V 3ph+N - 50/60 Hz (other on request)
Lamp cable	2,5 m	
Monitor display	SITA Touch-Screen (65000 colours)	
Multi language display	Yes	
Chamber temperature measurement	Yes (°C)	
Panel temperature measurement	Yes (°C)	
UV irradiance measurement	Yes (% or W/m2)	
UV dose calculation	Optional	
Hour meters	For total system life – Resettable for lamp life control	
Free contact alarms (max 1.3 A)		
General alarm	Settable contact working	
System working	Normally Open (N/O)	
High temperature alarm	Normally Open (N/O), panel and reactor, shut off for high temperature	

CONTROL PANEL	TC PLUS
24 V digital outputs	
Low irradiance alarm	Settable value
Lamps off alarm	Yes
Lamps control on/off	Yes
4/20 mA inputs	
Flow and UVT	Yes
4/20 mA outputs	
Chamber: Irradiance and temperature	Yes
Flow-meter signal duplication	Optional
UVT-meter signal duplication	Optional
Remote ON/OFF	Yes (settable contact working)
ON/OFF timer	Yes
Datalog – Events	Yes
Lamp power regulation	Manual or Automatic (dose or flow pacing)
Comunication ports (protocols)	CAN, Ethernet, USB, Seriale (Modbus, TCP/IP, CANopen)
Remote access	With specific App or WebGate

SPECTRA®
PROFESSIONAL UV SOLUTIONS

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