

### 1.1.1.

### DOSALux UV Disinfection Systems AM TC Plus



Single and multi lamp system with electropolished stainless steel for the medium capacity range between 96–160 m³/h.

#### Product description:

- Single and multi lamp system with high-quality, centrally mounted quartz protection tubes
- High performance low pressure UV-C amalgam lamp in the 254 nm range
- UV-C dose > 400 J/m²
- Lamp service life approx. 12,000 hours
- Reactor made of AISI 316 stainless steel
- Capacity: max. 96–160 m³/h
- UV chamber with automatic cleaning ("RA" version)
- Touch screen with multilingual display
- Display of the UV irradiation and temperature monitoring
- Irradiation regulation (optional for AM TC Plus 96)
- Operating hours counter
- Determination of the UV dose (optional)
- Alarm relay with a floating contact, NO/NC
- Digital outputs
- Alarm relay, 230 V output, max. 2 A, NO/NC
- 4–20 mA output
- UV intensity and temperature display
- Remote ON/OFF
- Interfaces: CAN, Ethernet, USB, serial (ModBus, TCP/IP, CANopen)
- Remote access via app or WebGate
- Timer ON/OFF
- Data log – events
- Operating pressure: max. 10 bar
- Water temperature 5 °C–50 °C
- Power supply: 230 V, 50/60 Hz, Protection category: IP 54

#### Areas of application:

- For use in the public and private drinking water sector, industrial process water, the food & beverage industry.

#### Scope of supply:

- **DOSALux AM TC Plus** (see below, „Ordering data“)

#### Ordering data:

Type:	Flow rate*:	UV-C dose:	Lamp type:	Number of lamps:	Power input:	Item number:
*The max. flow rates refer to a transmission strength T1 cm of 99 % of a measured UV-C dose of 400 J/m.						
AM 16-96/3-200 TC PLUS, 96.00 m³/h, AISI 316	96	400	UVL 200	3	660	5016930
AM 16-96/3-200 TC PLUS RA, 96.00 m³/h, AISI 316	96					5016936
AM 16-125/4-200 TC PLUS, 125.00 m³/h, AISI 316	125			4	880	5016940
AM 16-160/4-200 TC PLUS, 160.00 m³/h, AISI 316	160					5016950
AM 16-160/4-200 TC PLUS RA, 160.00 m³/h, AISI 316	160					5016955

#### Connections and dimensions:

Type:	Reactor connection:	Vent connection:	Sampling port:	Reactor dimensions:	Controller dimensions:
	inches	inches	inches	height (mm)	H x W x D (mm)
AM 16-96/3-200 TC PLUS, 96.00 m³/h, AISI 316	DN 100	1/8	1/2	1348	400 x 500 x 250
AM 16-96/3-200 TC PLUS RA, 96.00 m³/h, AISI 316	PN10				
AM 16-125/4-200 TC PLUS, 125.00 m³/h, AISI 316	DN 150 PN10			1365	750 x 400 x 250
AM 16-160/4-200 TC PLUS, 160.00 m³/h, AISI 316					
AM 16-160/4-200 TC PLUS RA, 160.00 m³/h, AISI 316					

Subject to technical modifications and printing errors. Images may vary slightly from actual product.  
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