



Product Brief 2023

MediPlas System

MediPlas Reactor and MediPlas Driver

Components for producing a highly sterilizing gaseous medium to keep medical devices clean

In the medical segment, the **MediPlas™ system** is best suited for sterilization and disinfection.

Appliances with MediPlas Reactor and MediPlas Driver can reduce the concentration of pathogens in contact with contaminated surfaces like medical equipment, masks and tubing. The applications do not require expensive vacuum equipment or toxic chemicals, making its use cost effective on one and environmentally friendly on the other hand.

Thus, by integrating **MediPlas Reactor** and **MediPlas Driver** into appliances, medical devices and equipment can be sterilized easily and effectively.

Benefits

- High ozone concentration
- Low gas flow and low power consumption
- Stability in long-term operation
- Active cooling
- Easy power control
- Low thermal signature
- Cost effective
- Small size
- Simple integration into appliance

Possible applications include and are not limited to:

- Sleep apnea
- Dental chair
- Operating table



More information

Please contact TDK at
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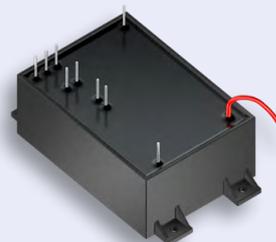
MediPlas System

MediPlas Reactor and MediPlas Driver

MediPlas System – Environmentally friendly sterilization in medical devices



MediPlas Reactor
Reactor for efficient disinfection or sterilization



MediPlas Driver
Power supply for the reactor

Typical input power	W	30	30
HV input		HV-cable	-
HV output		-	HV-cable
Width	mm	78	68
Height	mm	63	39
Depth	mm	78	114
Weight	kg	0.23	0.4
Reference Signal		-	Analog 0 to 5 V
Operating temperature	°C	0 to 40	0 to 40

System performance

The table shows the technical data for compressed dry air (CDA). The MediPlas system can be operated by gas feed with humidified air, ambient air and compressed dry air.

	Unit	Minimal	Typical	Maximal
Gas flow	SLM	0.2	1.0	10
Fan	V	3	12	12
DBD power	W	5	10	20
O₃ concentration	ppm	0	2000	4000

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