

Adtec SteriPlas[®]

Wound Management System

Contact-free and painless treatment
for acute and chronic wounds



Adtec SteriPlas

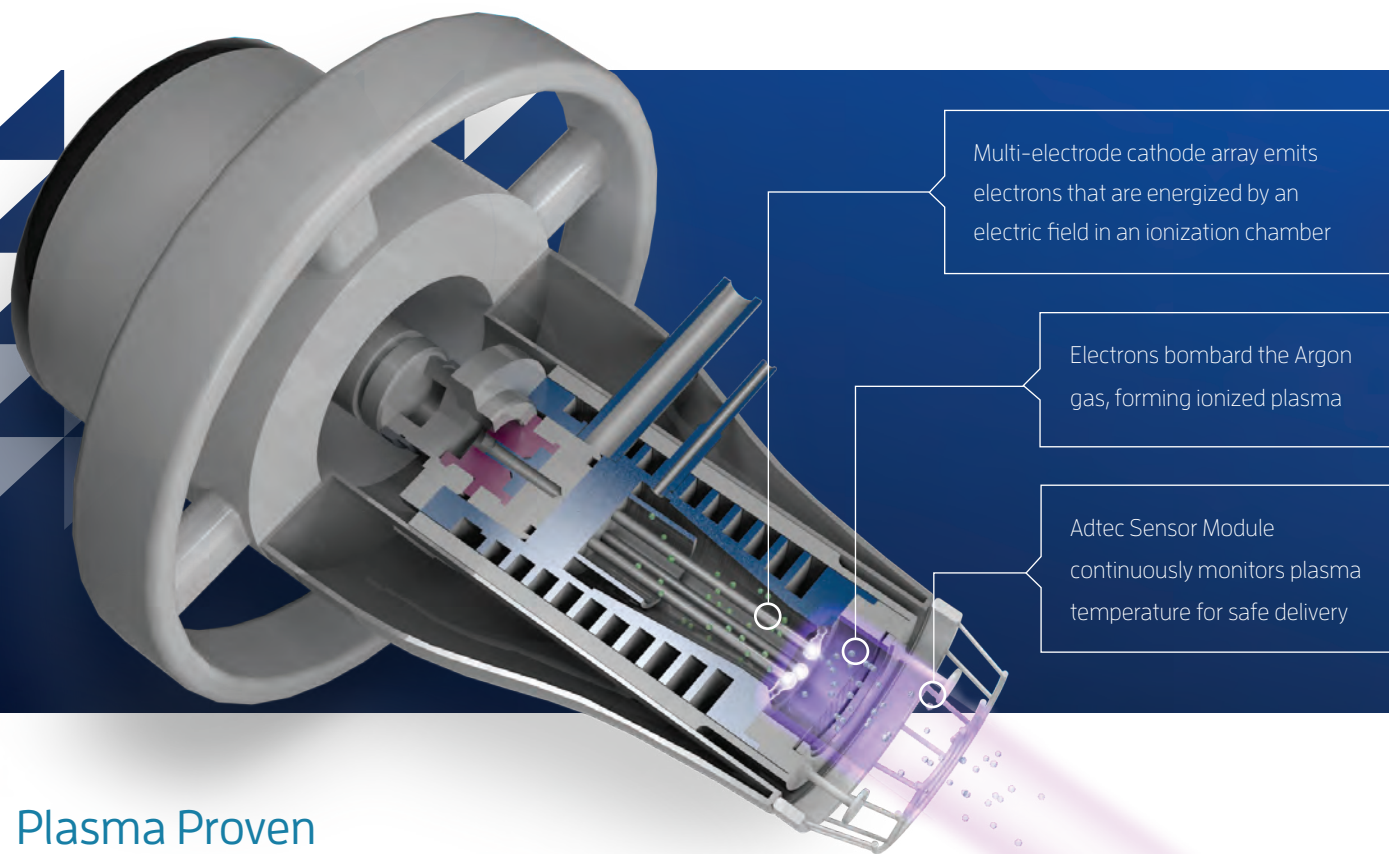
Controlled neutral plasma for effective wound management

Positively influencing wound healing by reduction in microbial load and by modifying the wound microenvironment.

What is Plasma?

The Adtec SteriPlas Treatment head contains a patented ionization chamber that bombards Argon gas with electrons emitted from multiple hot electric filaments. The resulting plasma ions mix with air creating reactive agents to generate a wide, uniform treatment field that is capable of treating larger tissue areas.

Unlike air-based plasmas that vary with temperature, pressure and location, neutral Argon plasma is a consistent and controllable energized gas, with predictable active agents and constituents that include reactive oxygen and nitrogen species, OH radicals, ions, electrons, photons and UV light to ensure reproducible therapeutic effects.



Plasma Proven

Developed in conjunction with the Max-Planck Institute in Germany, the Adtec Plasma technology has been proven in clinical trials with over 3,500 patient treatments in both chronic and acute wounds. Adtec SteriPlas technology showed marked improvement in wound healing, after painless 2 minute applications as part of routine wound treatment. No side-effects occurred and the treatment was well tolerated. Adtec argon plasma treatment is a safe and painless new technique to decrease bacterial load of chronic wounds and promote healing.

Adtec SteriPlas is proven to kill a wide range of microorganisms, including fungal, viral, yeast and bacterial superinfections with both gram positive and gram negative bacteria. Tests showed a 73% reduction in bacterial load, regardless of the type of bacteria or its resistance to antibiotics. Treatment costs are comparable to or lower than those of standard antimicrobial wound treatment.

Recent studies have shown that treatment with Adtec SteriPlas technology may accelerate wound healing, particularly for problem wounds such as chronic venous ulcers. SteriPlas has also been shown to reduce the microbial load of difficult to treat areas in surgical site infections.

Plasma Treatment Head

with countdown display for remote control of the system from the patient bedside. Patented Plasma Electrode Array for treatment of larger surface areas with homogeneous Adtec Plasma.

Adtec Sensor Module

continuously monitors plasma temperature for safe, effective treatment.

Balanced Treatment Arm

with concealed cable management for effortless adjustment of the SteriPlas treatment head. Long reach arm extends up to 163cm with ease and smoothness.

SteriPlas Control Screen

for treatment regime configuration.



Ergonomic handrail

allows console positioning for convenient patient access.

Adtec SteriPlas Console

manoeuvrable unit with lockable easy glide wheels, designed for transport between treatment rooms.

About Adtec

Founded in Japan in 1985, Adtec Plasma Technology designs, manufactures and markets high-precision, high reliability RF power delivery solutions that enable highly controlled, critical plasma thin-film manufacturing technologies all over the world, contributing to industries such as semiconductors, flat panel displays, data storage products, solar cells and others.

In a ten year collaboration with researchers at the world-famous Max-Planck Institute in Germany, Adtec Healthcare has harnessed the power of Plasma for sterilisation and complex wound management. Designed and manufactured in the UK, the Adtec SteriPlas Wound Management technology is the most completely studied medical plasma system in the world today.

Adtec healthcare is committed to supporting healthcare providers and clinicians with its global support network and resources ensuring a high-level of customer satisfaction from design, delivery, installation to enduring product performance.

Technical Specification

Name	Adtec SteriPlas
SteriPlas Console	ARPP-SP-01
SteriPlas Sensor Module	ARPP-SP-02
Plasma gas temperature	≤40° Degree at a distance of 20mm from the plasma torch grid
Operating time	20sec - 9.5min plasma on time
Plasma gas	Argon, purity ³ 99.95%
Gas specification	≤ 0.4 Mpa
Gas input connector	SMC KK4P-06E, S type sleeve lock coupling size 4 bulkhead plug side to 6mm tube. Mating part: KK4S-06H
Duty cycle	After plasma off, wait 1 minute before changing Sensor Module ARPP-SP-02
Input	110V / 220V ~ , 50/60Hz
Power consumption	1.5kVA
Outside dimensions	Main body: W 563 x D 821 x H 1943 (mm) Arm operation range: L 1635 (mm) x H 650 (mm) x ±60°
Operating temp range	10°C - 30°C
Operating humidity range	10% - 80% relative

Warranty

Adtec warrants for a period of one year from the date of shipment to the original purchaser that each Adtec SteriPlas® System shall be free from material defects in material and workmanship under normal use and service. The Warranty may be extended to cover subsequent years by purchasing an Extended Warranty and Preventive Maintenance Agreement. Under the terms of this Agreement, the Manufacturer or its authorized representative shall provide one annual on-site preventive maintenance visit to inspect and perform preventive maintenance, and to provide a repair service including all parts and labor in the event of any breakdown of the Adtec SteriPlas® System.



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Authorized Distributor: