

Medical Argon



PROPERTIES

PHYSICAL & CHEMICAL



**OPEN
24/7**



Molar mass: 39.948 g/mol
 Melting point: -189°C
 Boiling point: -185.9°C
 Density of the gas phase (1.013 bar and 15°C): 1.691 kg/m³
 Density of the liquid phase (1.013 bar at boiling point): 1.393 kg/m³
 Gas density (1.013 bar at boiling point): 5.853 kg/m³
 Latent heat of fusion (1.013 bar at the triple point): 29.41 kJ/kg
 Latent heat of vaporization (at 1.013 bar boiling point): 160.81 kJ/kg
 Critical temperature: -122.3 °C
 Critical pressure: 48.98 bar
 Compressibility factor (Z) (1.013 bar and 15°C): 0.9993
 Concentration in the air: 0.934% vol..

APPLICATIONS :

- Medical argon is a gas for medical use with class IIa medical device (MD) status.
 - Medical Surgical Argon is intended to supply argon plasma coagulation scalpels used during open surgery, endoscopy or laparoscopic surgery.
 - Method of use: medical Argon feeds a plasma coagulator to allow coagulation of bleeding during surgery in a safe and effective way.
- The argon plasma coagulator is a monopolar electrosurgery technique without contact between the coagulator and the tissue.

TECHNICAL INFORMATION :

Purity :	Impurities :			
Ar	O ₂	N ₂	CH ₄	H ₂ O
≥ 99.995%	≤ 05 ppm	≤ 05 ppm	≤ 05 ppm	≤ 10 ppm

Conditioning :

GAr	LAr
B50	Cryogenic mobil tank

European Pharmacopoeia

