

APC 2

User Manual

USA



09.10

V 1.4.x

ERBE

CHAPTER 11

General Technical Data

Connections	
Low voltage	via VIO electrosurgical unit
HF	via VIO electrosurgical unit
Terminal for grounding (potential equalization)	yes

Gas specification	
Gas type	Argon
Argon minimum purity	Argon 4.8 (99.998% purity) or higher, e.g. argon 5.0.
Density (relative; air = 1)	1.38
Critical temperature	-122 °C / -187.6 °F
Color	colorless gas
Odor	No WARNING through odor
Concentration of explosion limit (% by vol. in air)	Not combustible
Special risks	Effect of heat/fire may cause explosion due to rise in pressure inside pressure cylinder! Gas may have an asphyxiating effect in high concentrations!

Gas-specific unit data	
Supply pressure	$(5 \pm 2) \times 10^5$ Pa 5 ± 2 bar 72.5 ± 29 psi
Max. discharge pressure	$2 \times 10^5 \pm 4 \times 10^4$ Pa 2 ± 0.4 bar 29 ± 5.8 psi
Variable gas flow	0.1 - 8 l/min limited by the instrument attached, adjustable in 0.1 l increments
Tolerance of the rated flow	(in range 0.2 - 5 l/min) ± 20 %
Purging flow	Depending on the instrument (corresponds to the setpoint flow of the instrument which is currently connected)
Purging time	3 sec.
If you use a pressure cylinder, the residual volume display is activated at	7×10^5 Pa 7 bar 101.5 psi
Residual volume display	VIO display

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Gas-specific unit data	
Residual pressure display	Pressure gauge
The APC 2 switches off when the supply pressure is	<3 x 10 ⁵ Pa < 3 bar <43.5 psi

Dimensions and weight	
Width x height x depth	410 x 80 x 370 mm / 16.1" x 3.1" x 14.6"
Weight	4.8 kg / 10.6 lbs

Ambient conditions for transport and storage of unit	
Temperature	-40 °C to +70 °C / -40 °F to +158 °F
Relative humidity	10% - 95%

Ambient conditions for operation of unit	
Temperature	+10 °C to +40 °C / +50 °F to +104 °F
Relative humidity	15% - 80%, noncondensing

Acclimatizing	
If the unit has been stored or transported at temperatures below +10 °C / +50 °F or above +40 °C / +104 °F, the unit will require approx. 3 hours to acclimatize at room temperature.	

Standards	
Classification according to EC Directive 93/42/EEC	IIb
Type as per EN 60 601-1	CF