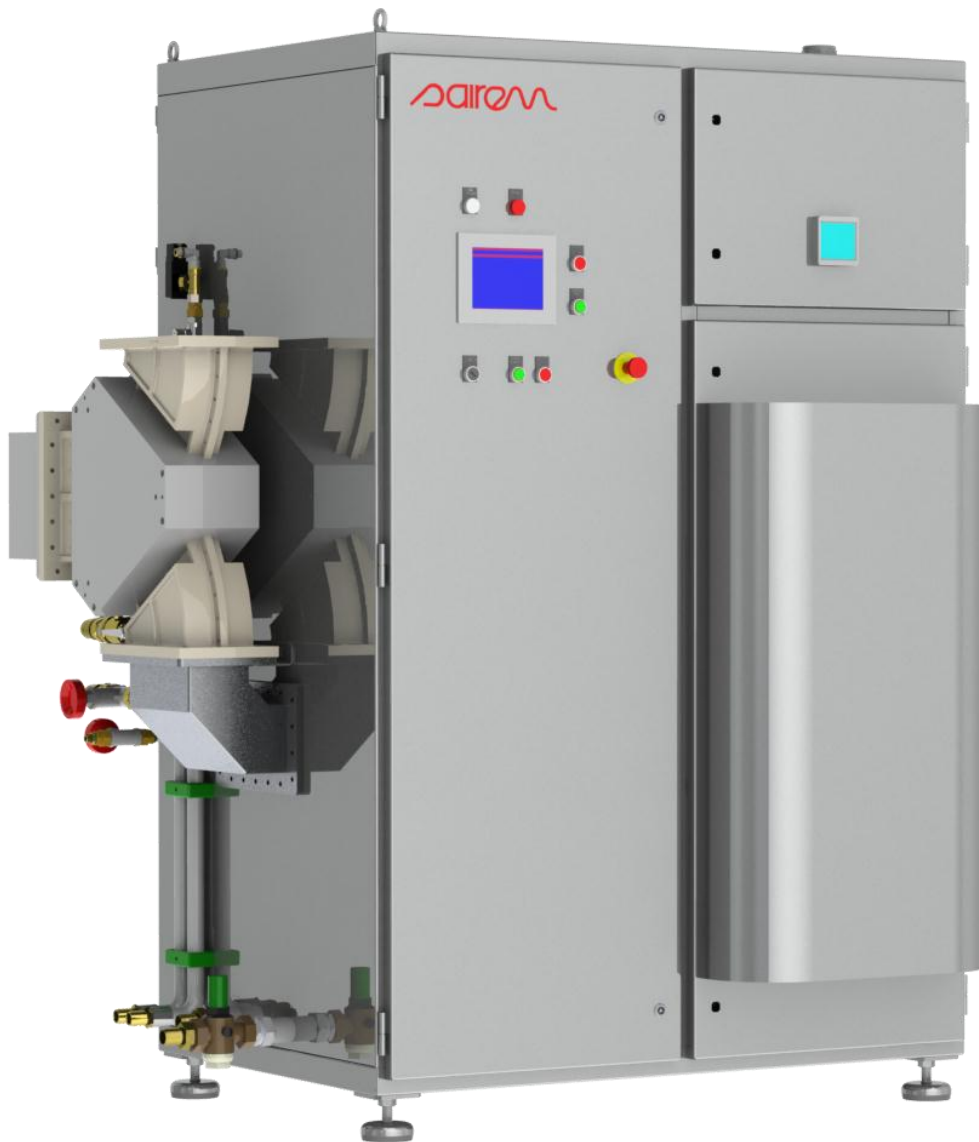




35 kW, 915 MHz MICROWAVE GENERATOR Ref: GLP350KSM56T400AP3IR 1C

The GLP350KSM 56T400 AP 3IR 1C is a continuous wave microwave generator consisting of a switch mode power supply and a power head in one cabinet, with isolator and reflected power meter. A PLC drives simultaneously the magnetron anodic power, electromagnet current and filament voltage. The result is a very low power setting possibility (3 kW), maximum efficiency, reduced ripple and increased magnetron life time.

SAIREM's built-in Automatic Restart Function (ARF) avoids the total shutdown of the generator during a process if accidentally the magnetron switches off.



35 kW MW generator & isolator

REF	GLP350KSM56T400AP3IR 1C
Presentation	Two switch mode power supply modules, easily extractible. One SMP module can run alone with maximum output power of 18 kW. The efficiency of the SMP is > 93 %. Electromagnet's supply consists of a switch mode system with current regulation. Filament supply enables soft start, voltage regulation and anti-moding system, ARF (Automatic Restart Function).
Frequency	915 MHz \pm 10 MHz or 896 MHz \pm 10 MHz (to be specified); central frequency is imposed by the magnetron
Output power	Adjustable from 3 to 35 kW
Power stability, ripple	Better than 1 % between 3 kW and 35 kW, ripple \pm 2 % at full output power, even with a unstable mains.
Rise & fall times	10 ms in standard KSM version
HMI Display	Colour touch screen control, all controls & functions accessible, PRO-FACE PLC, fault history...
Operating mode	Continuous, pulse (KIP version), plasma starting, ramp, timer, ARF system
Maximum SWR	integrated isolator, 15 kW RP (reflected power) any phase by forward power limitation or stop by fault (to be chosen from menu)
Remote control	USB, Ethernet, Canopen or Modbus
Safety interlock	Safety relay, emergency stop...
Mains	380/415 V, 50 Hz or 60 Hz, 3 phase + earth
Consumption	40 kVA at full power
Microwave output	WR975, flange CPR 975
Weight	490 kg (comprising isolator 140 kg)
Water cooling	45 L/min and 4 bar (for max. 15 kW RP dissipated heat). Power capacity: 30 kW maximum. Air/water exchanger inside the cabinet, water temperature control & monitoring.