

# MOTORIZED SLIDING SHORT-CIRCUIT

PCC WR975 L240 24V

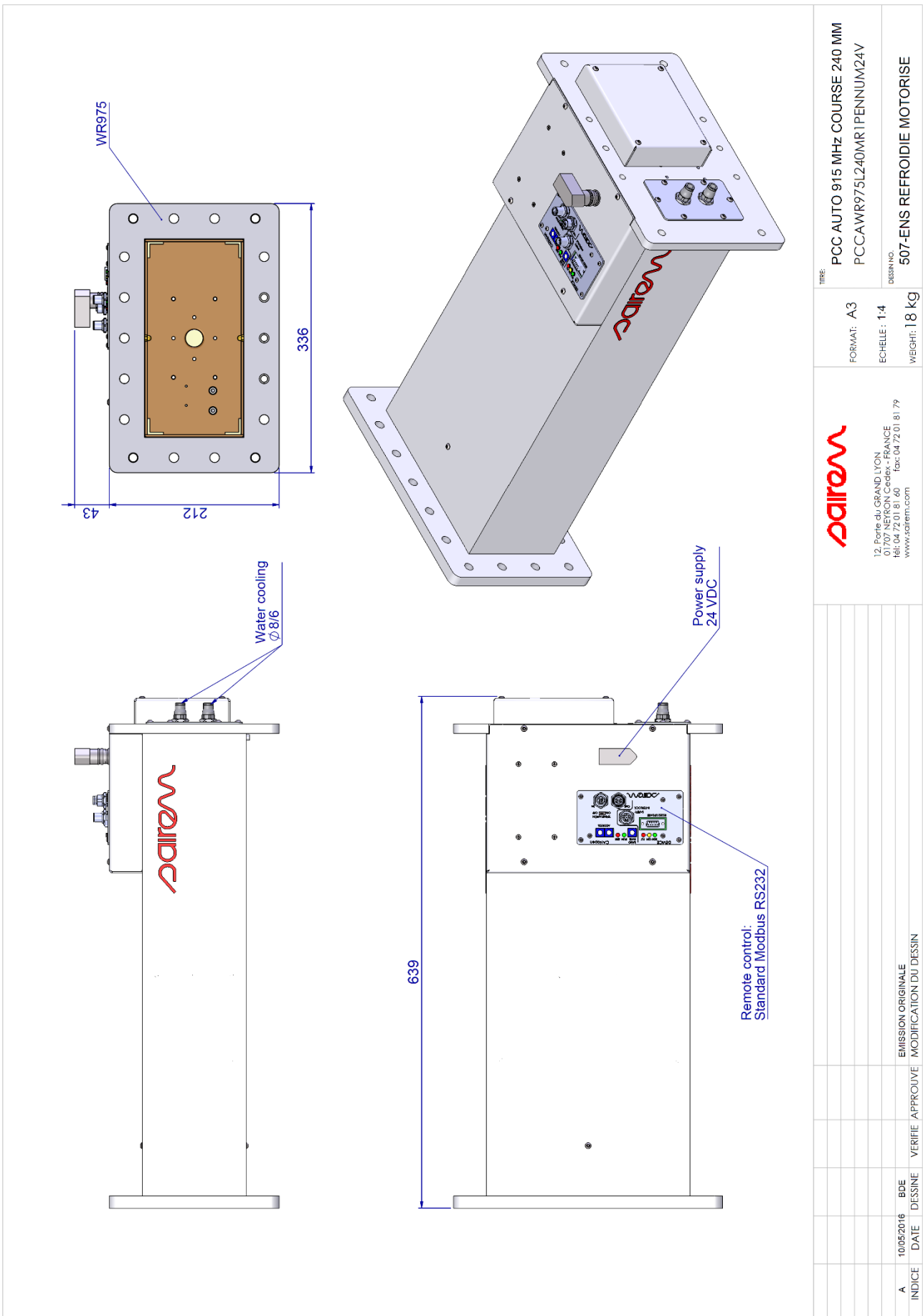


The motorized sliding short-circuit can be used in tuning applications for the adjustment of the resonance frequency of a monomode cavity; the sliding short-circuit can be also used in connection with a hybrid T for the tuning of microwave applicators at very high power. The tuner consists of a waveguide WR975 with standard flange at one end and a sliding short-circuit that can be moved inside the guide. The short-circuit features SAIREM's innovative  $\lambda/4$  without contact.

By supplying 24 VDC the position of the sliding short-circuit can be controlled automatically in order to minimize the reflected power. The sliding short-circuit can also be controlled remotely by a SAIREM CBA control unit with a touch-screen or by a PLC controller of user's choice.

## Technical specifications

REF	PCCAWR975L240MR1PENNUM24V
Frequency	910 – 922 MHz $\pm$ 5 MHz
Microwave power	Max. 100 kW; water-cooled version available (power, resonance)
Motor speed	31 cm/min; total course in 46 sec
Voltage	24 VDC, 2 A
Connection	Flange WR 975
Short-circuit	$\frac{1}{4}$ $\lambda$ without contact
Tuning length	240 mm (close to $\lambda g/2$ )
Material	Aluminium alloy waveguide (painted) and brass sliding cup
Weight	18 kg
Remote control	Standard: Modbus RS232 (LabView); optional: Profibus, Canopen



TITRE: PCC AUTO 915 MHz COURSE 240 MM  
 PCCA WR975L240MR1PENNUM24V  
 FORMAT: A3  
 ECHELE: 1:4  
 WEIGHT: 18 kg

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