

# TVC - Space Simulator 240L

Vacuum chamber 240L  
1.10-6 mbar  
-65°C / +165°C

## Industries

Space and electronics

## Application

Testing and performance measurements electronic components for the space industry

## Description

Unit composed of :

- A vacuum tank equipped with feedthroughs
- A machinery equipped with coolant system and vacuum system
- An electrical cabinet with power front-panel controls
- Door on mobile trolley for devices support
- A thermal plate and a thermal shroud
- Supervision and control using SPIRALE Vs and command by touch screen

## Technical Data

Performances are given for :

- An ambient temperature between +15°C and +25°C
- Dissipation 100 W

## Temperature

Temperature range : -65°C to +165°C

Cooling rate (average) :

2°C/min from +125°C to -55°C, empty

1°C/min from +165°C to -65°C, empty

Heating rate (average) :

2°C/min from -55°C to +125°C, empty

1°C/min from -65°C to +165°C, empty

Temperature stability : ± 1°C

Temperature homogeneity on the thermal plate : ± 1°C

## Vacuum

Vacuum range : from AP to 1.10-6 mbar

Pressure variation speed : from AP to 10-5 mbar in 30mm (without charge and without the specimen), at ambient temperature

## Dimensions :

Useful Volume	External Dimensions
Diam. : Ø 650mm (25.6" dia)	Width : 2500mm (98.4")
Depth : 650mm (25.6")	Depth : 3840mm (151.2") (door opened)
	Height : 1800mm (70.9")



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