



## YG45HT High Temperature Ampoule

- Output concentration accuracy better than 0.4%.
- Thermally managed Thermos provides dry environment for bubbler/ampoule.
- Thermos acts as secondary containment.
- No liquid cooling medium.
- Multi point temperature measurement for source condition
- Up to 200mm dia x 290mm tall bubblers

**INCREASE YIELD**

**INCREASE SAFETY**

**REDUCE COST**

**EXTEND SOURCE  
LIFE**

The CeeVeeTech YG45HT is a high temperature environment for an ALD/CVD /MOCVD precursor bubbler. It delivers a precise vapor concentration to an CVD, MOCVD and ALD process from any ampoule or bubbler.

The CeeVeeTech YG45HT uses five precision temperature sensors. The temperature of the precursor is measured and the heat flowing into the precursor is controlled in order to maintain the exact vapor concentration that is required for the specific process.

The CeeVeeTech YG45HT uses the carrier gas mass flow or the bubbler pressure to compensate for small temperature variations that generally occur with all CVD deposition processes.

Using the CeeVeeTech YG45HT increases yield and reduces cost. In addition, the CeeVeeTech YG45HT provides a safer alternative to baths as it uses air or optional nitrogen as the thermal medium around the bubbler.

WORKS WITH ALL  
CVD, MOCVD AND  
ALD TOOLS

WORKS WITH ALL  
BUBBLERS/  
CYLINDERS/  
AMPOULES

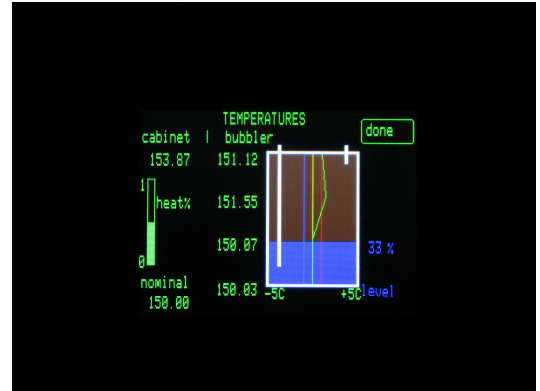
EXTENDED SOURCE  
LIFE

SHORTER RUN TIME

ENHANCED SAFETY

NO PRE-GROWTH  
SOURCE  
STABILIZATION

BETTER  
PRECURSOR  
SOURCE  
MANAGEMENT



## Features

- Concentration compensation via flow or pressure
- Five point temperature sensor
- Bubbler Condition Monitor
- Continuous Fill level sensing
- Bubbler 200mm dia x 290mm tall

## Benefits

- No Pre-Growth Stabilization
- Less waste
- for all CVD/ALD tools
- for all Bubblers
- Shorter Run Time
- Higher Productivity
- Better Precursor utilization
- Extended Source Life

For All CVD, MOCVD ALD  
tools.

Requirements:

- Thermal access port in ampoule or bubbler (thermal well)
- 40mA on MFC or pressure controller supply bus
- 120V AC 15A
- 240V AC, 8A

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