

## Heated viewports

- Control unit with ability to manage 1 to 4 windows simultaneously
- Prevents condensation of materials on the viewport
- Available on CF40 or CF63
- Single power supply for two viewports
- 3 temperature range, fully automatic
- Constant visual access inside the growth chamber



### Product description

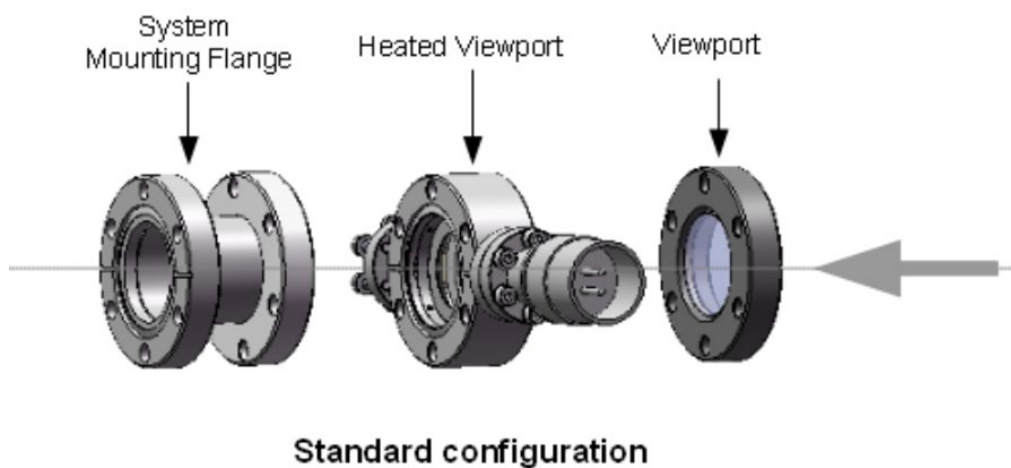
To protect a viewport from deposition is possible via a shutter, a gate valve or a heated viewport. However, even when using a shutter or a gate valve, you slowly get deposition on your viewports until it gets completely opaque.

When using in-situ monitoring for real-time control of crystal growth, shutter or gate valves must be opened and viewport should be protected against

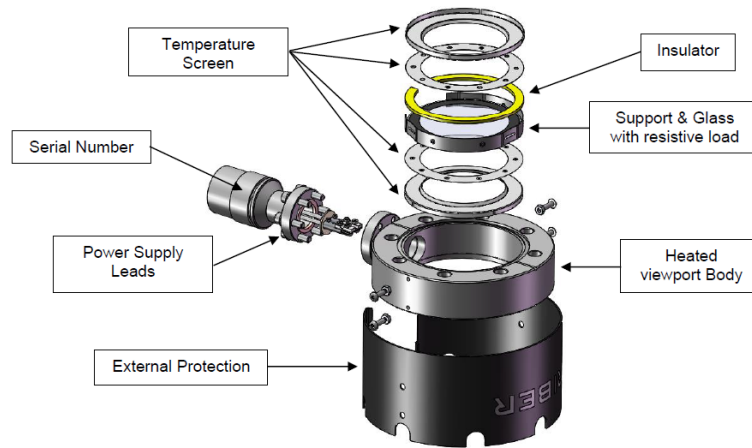
deposition to remain usable.

The Ribber Heated Viewport RHVP prevents deposition of materials on your optical viewports and enable continuous and in-situ monitoring of your crystal growth in your MBE chamber. No need to vent the system for removing or cleaning your viewport anymore !

The 3 range of temperature allows the viewport to be used in different MBE system (III-V, II-VI, etc.) The Heated Viewport prevents deposition on your viewport and avoids having to vent the system for removing or cleaning them. A standard UHV viewport, standing behind the RHVP, is needed to ensure UHV conditions.



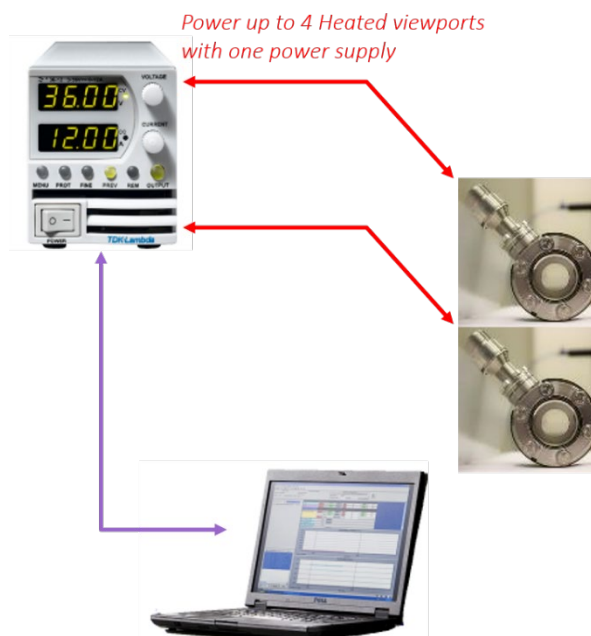
## Layout



## Specifications

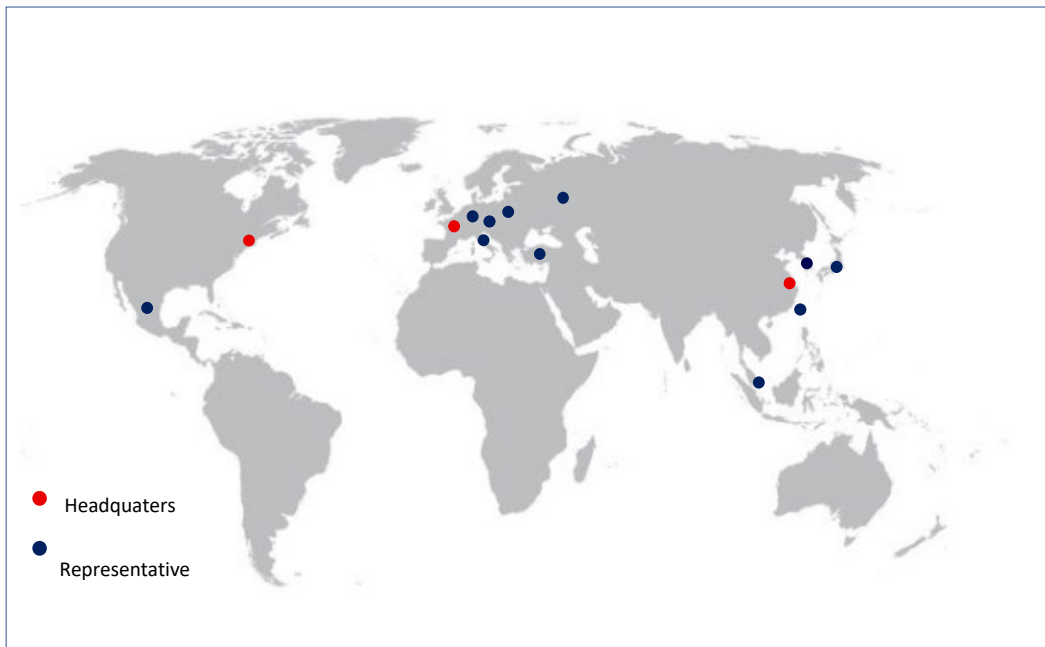
Characteristics	RHVP-40	RHVP-63
Flange	Two Sides CF40 (2.75")	Two Sides CF63 (4.5")
Transmittance* >80% (nm)	300 - 4500	
Viewing diameter (mm)	Ø26	Ø54
Maximum recommended continuous operating temperature	280°C	
Window material	Sapphire	
Birefringence (Sapphire)	-0,008	
Max Viewport temp. @ Max RHVP temp.	<60°C	
Typical Operating in III-V	200°C	
Bakeable at 250°C	Yes	
Typical heating speed (W/hrs)	3	6
Electrical specifications		
Electrical requirements	85-265VAC	
Max power	20W	60W
Accessories and options		
Viewport (leak tight)	Zero Length Viewport RVP40 (Glass)	Zero Length Viewport RVP63 (Glass)
Power supply programmed by RIBER with heating ramps	DC36V - 6A Can power up to 4 heated viewports	DC36V - 6A Can power up to 2 heated viewports

## Component interfacing



## RIBER SALES AND SERVICE NETWORK

For more information, please contact your local sales representative



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