

The heatable UHV quartz window is designed for the usage in MBE or other deposition systems without any other protection. During the growth, the temperature of the window can be kept at room temperature in order to make in-situ optical measurements possible. After growth or intermittently during growth, the temperature is ramped up to 1000 °C in order to re-evaporate condensed material. A water cooling system around the heatable window protects the surrounding. An optional control unit with integrated PID controller and power supply allows the convenient use of the heatable window, manually or computer controlled.

Options

- Version without water cooling (max. temperature 650 °C)
- Other window materials

TYPE	HW
HEATING SYSTEM	in vacuum wire filament
TEMPERATURE RANGE	20 - 1000 °C
TEMPERATURE STABILITY	± 0.1 K with PID controller
MAX. POWER	300 W
WINDOW MATERIAL	quartz
BAKE-OUT TEMP.	250 °C
FLANGE SIZE	CF 40 DN 63 <small>or as specified</small>
LENGTH	152 mm 158 mm
DIAMETER VISIBILITY	23 mm 40 mm
THERMOCOUPLE	type C <small>or as specified</small>

