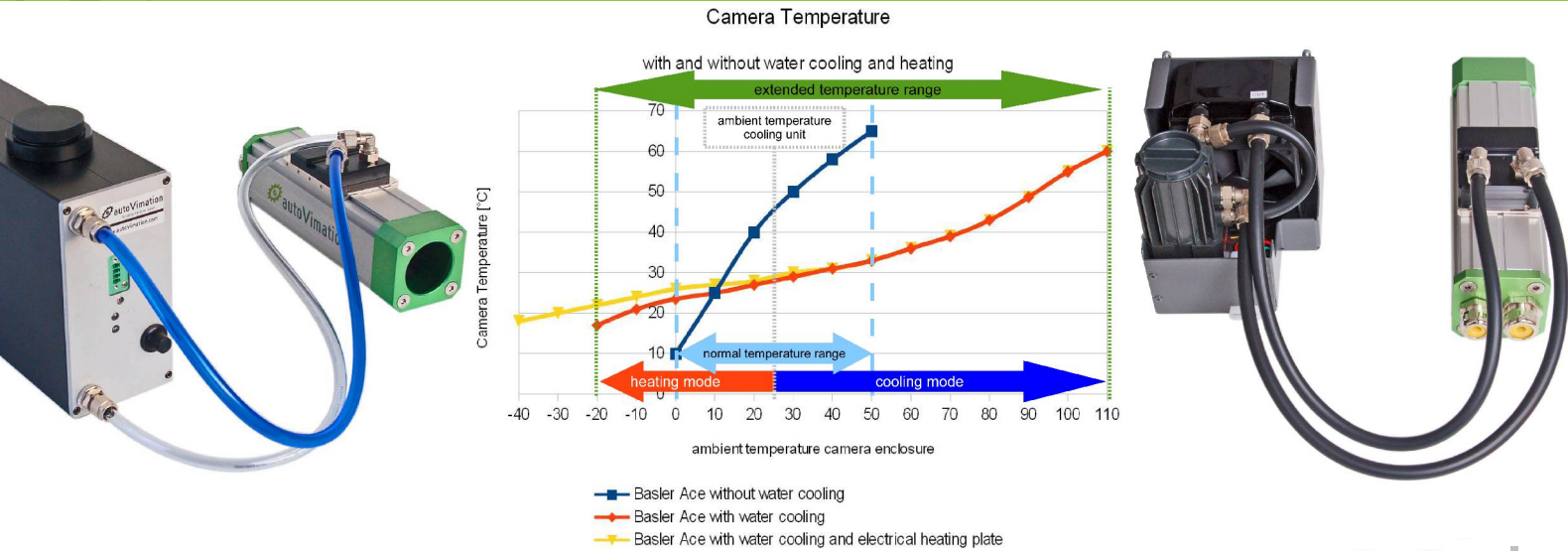


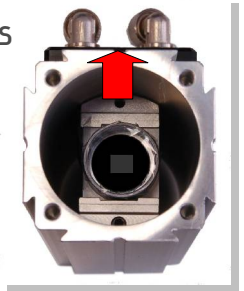
Water cooling and heating for autoVimation's camera enclosures



Water cooling greatly extends the temperature range of MV cameras

Technical Highlights:

- **Simple set-up and operation** - the water cooling module on top of the camera-enclosure is connected with up to 7m long NBR tubes to the cooling unit, that is placed in an area with room temperature. Functionality similar to the cooling circuit of a motor vehicle.
- AutoVimation's water cooling units typically **extend the temperature range of a MV camera from typically 0 to 50°C to -20 to 110°C.**
- **Automatic heating and cooling mode**, since the water temperature is drawn to the ambient temperature of the cooling unit.
- **Water** as cooling medium **allows a more efficient heat transport over longer distances** compared with air cooling.
- **Compatible to all Salamander and Orca enclosures** and autoVimation's mounting kit.
- **No cooling fluid is pumped through the enclosure**- thanks to our Heat-Guide system, the camera can be cooled through the enclosure wall.
- **No oily compressed air inside the enclosure**, that is often alternatively used for camera cooling.
- Water cooling is the **ideal solution for hot or cold industrial environments**, if there is a place with moderate temperatures within a 7m radius of the camera enclosure.



Self-contained Cooling Unit

Similar to image above on the left.

- Self-contained unit including pump (pumping height up to 1,6m), fans and radiator.
- Permanent monitoring of camera temperature and water flow with emergency shut down function.
- included in delivery are 6m NBR water tubing (-35°C to +100°C operating temperature) and 250ml coolant concentrate.
- This unit can cool up to 5 camera housings.

Article Number: 60.101.519

Additionally required for operation:

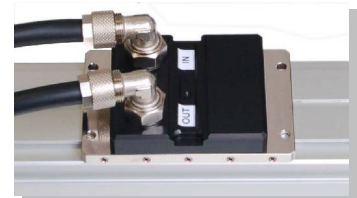
- One cooling module for each enclosure, see image on the right. **Art. No.: 60.100.010**
- 12V, 10W Power supply (7W for integration module). **Art. No.: 60.101.422**
- Additional water tubing if the distance between camera enclosure and cooling unit exceeds 3m. **Art. Nr: 60.101.475**
- From 10m total tube length, additional cooling concentrate: **Art. No.: 60.101.333**
- Dust filter for dirty environments, **Art. No: 60.101.457**

Cooling unit for control cabinet integration

See image above on the right.

- This cooling unit includes a pump (pumping height up to 1,6m), a fan and a radiator.
- Temperature and flow monitoring is not included. Temperature monitoring should be installed separately.
- This unit can be mounted into a PC or control cabinet, if a mounting place for a 120 Ø fan is available. Power supply possible via the PC mains adapter.
- included in the delivery are 6m NBR water tubing (-35°C to +100°C operating temperature) and 250ml coolant concentrate.

Article Number: 60.101.351



Water cooling module mounted on protective enclosure

Refer to the following brochure for further information on water cooling systems: "[Water_Cooling_systems_for_autovimation's_protective_enclosures](#)".