

NET ZERO Cooling Option for GEW UV Lampheads

The Problem

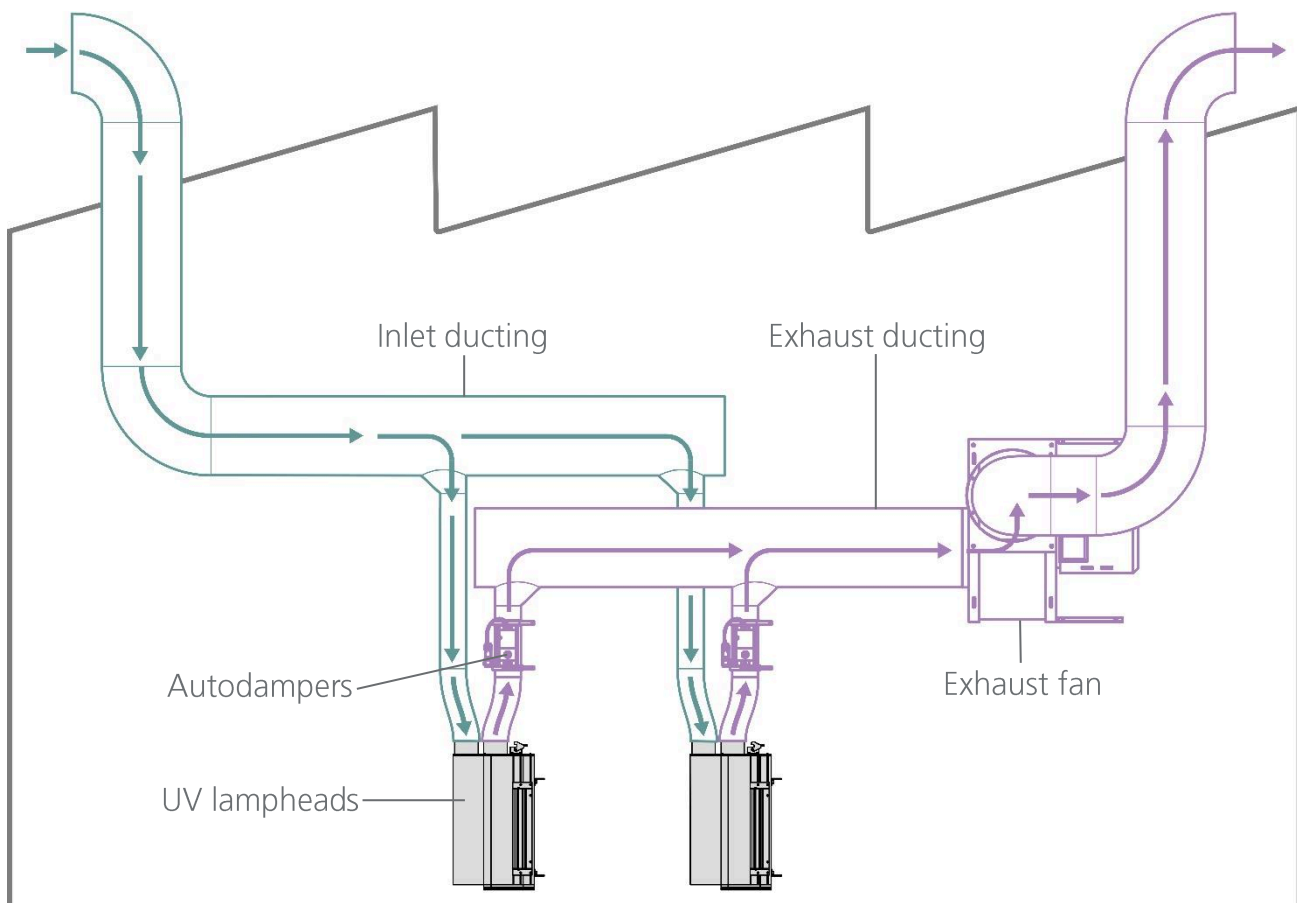
Air cooled UV systems consume ambient factory air in the process of regulating the temperature of the lampheads. In heated, cooled or clean room facilities, the UV system discharges this treated air to the outside of the building which places an additional load on these air conditioning systems. Where ambient air is contaminated, this can lead to contamination of the lamps and reflectors, reducing UV output, curing performance and component lifetimes.

The Solution

GEW's air cooled lampheads are designed to use much less air than many other UV systems. To eliminate all ambient air consumption, they are also available with the NetZero cooling option.

How it works

A duct is fitted on top of the lamphead's air intake aperture which is connected to an air feed from the outside of the building or production area. External air is then used for cooling the UV lampheads rather than the treated indoor air. The incoming air makes its way in to the lampheads under normal negative pressure. The heat and ozone from the lamps is then also discharged back to the outside of the plant, resulting in virtually zero net consumption of ambient factory air.



For a drawing specific to your machine, please contact a member of our sales team.