

# Halton Max Ultra Circular (MUC)

High-accuracy airflow measurement with ultrasonic technology

## Wide airflow measurement range of 0,5-10 m/s

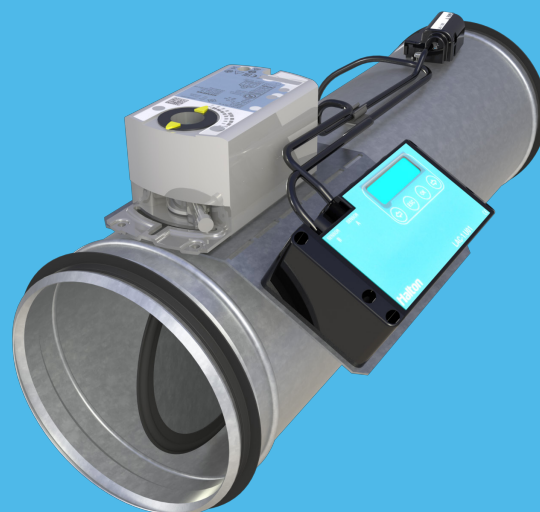
High-accuracy airflow measurement is challenging with a wide airflow range and varying velocity profiles. Halton has developed an airflow control damper utilizing ultrasonic measurement, that guarantees reliable readings even for low airflows.

## Flexible installation

All products are individually calibrated at the factory to ensure the highest possible reliability and accuracy. Thanks to this, the product is quick to install.

Halton has developed installation compensation factors to enable flexible installation of the airflow control dampers and reduce safety distances.

By using the installation compensation factor, accurate and reliable airflow measurements are achieved even with short safety distances. Flow disturbances can also be compensated with installation factors.



## Maintenance-free airflow control damper

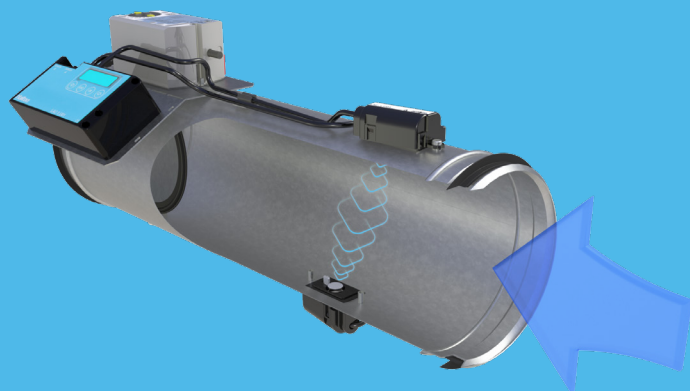
The Halton Max Ultra Circular (MUC) is free from components that gather dust, generate noise or create duct pressure loss and does therefore not require maintenance.

## Silent and energy efficient

Due to zero duct pressure drop in ultrasound airflow measurement, the airflow control damper is energy efficient and silent.

## Modbus or analogue control as standard

The airflow control damper can be connected to the Building Management System (BMS) through Modbus RTU or an analogue signal. Controller settings are adjustable on site with Modbus connection or manually through the control panel.



## Key features

- Measurement technology: ultrasound
- Individually calibrated for higher accuracies
- Maintenance free
- Low pressure loss and noise level
- Integrated temperature measurement
- Airflow measurement range: 0,5-10 m/s
- Duct connection size:  $\varnothing$  100-630 mm
- Modbus or analogue as standard
- Available also in stainless steel

# Halton Max One Circular (MOC)

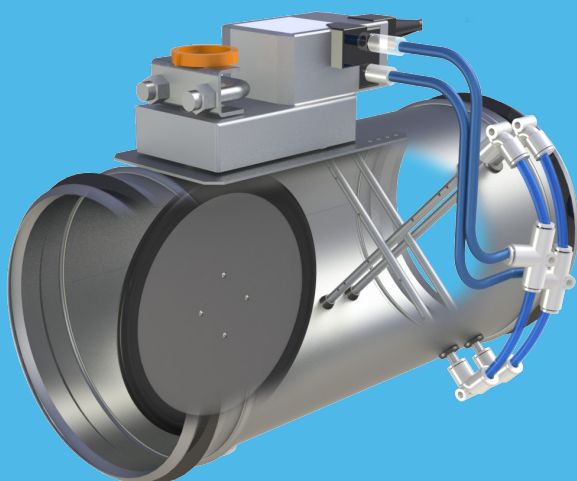
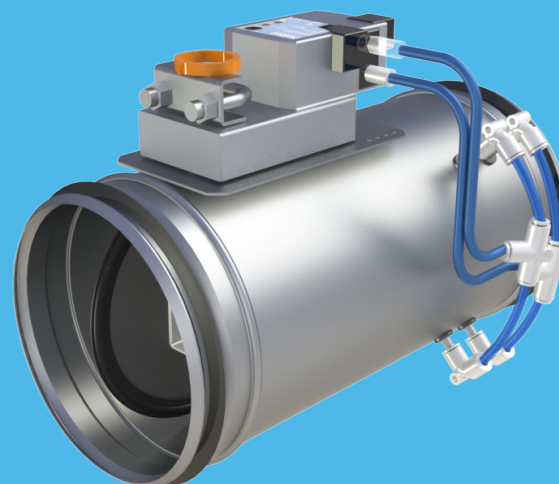
Airflow control damper for a wide variety of VAV applications

## Designed to last

The airflow measurement principle of Halton Max One Circular (MOC) is based on a new generation of pressure measurement sensors that minimize the risk of dust build up.

Averaging cross-measurement-tube technology enables minimum duct pressure loss. The tubes are engineered for sensitivity in low airflows and for low noise generation in high airflows.

Materials and components of the Halton Max One Circular (MOC) have been selected to meet demanding long-term requirements. In the product development phase, special attention has been put to preventing dirt from affecting the measurement. This feature prolongs the product lifetime.



## Quick and easy commissioning

Commissioning is made quick and easy with factory-set airflow rate limits. Limits are set according to customer-specific needs.

## Available with a wide variety of actuators

The airflow control damper is available with various bus and analogue control options. The airflow control damper can be connected to the Building Management System (BMS).

## Key features

- Measurement technology: cross-measuring tubes
- Engineered for sensitivity in low airflows and low noise in high airflows
- Designed to last and prevent dirt from affecting the measurement
- Airflow measurement range: 1-10 m/s
- Duct connection size:  $\varnothing$  100-630 mm
- Insulated models available for preventing condensation and air-radiated sound
- Large range of actuators available for different applications