



TELLUS-LØV VAV

- Unique damper function
- Extensive working range
- Can be fitted with an internal linear regulator, or external rotary regulator

APPLICATION

Tellus-LØV VAV is a circular supply diffuser for open installation with VAV function. It has excellent induction and is suitable for both constant and variable air flow rate.

Design

Tellus-LØV VAV is designed as a complete measuring and control unit for demand control of air volumes in the ventilation system. Tellus-LØV VAV MI is equipped with a measuring station that measures differential

pressure via a sensor integrated in the unit. The unit is equipped with a CHV-VAV-MP regulator from Belimo. The regulator's specifications can be found in the table below.

Tellus-LØV VAV MU is equipped with a measuring station that measures differential pressure via measuring rods integrated in the unit. MU is equipped with VAV regulators from Belimo or Siemens. The specifications

of the regulators can be found in the table below. Tellus-LØV VAV has a removable front plate with LØV perforation. Rotation pattern is standard, while centred pattern is used for large ceiling heights.

Tellus-LØV VAV MI is available in both high and low versions, while

Tellus-LØV VAV MU is only available in a high version.

DESCRIPTION

Materials and surfaces

Tellus-LØV VAV is made of galvanised steel. The damper has an attached polyester screen. The connection has an EPDM rubber gasket.

Tellus-LØV VAV is supplied painted in RAL 9003 - gloss 30. Unpainted versions are supplied in galvanised steel the box is supplied in galvanised steel, while the front plate is painted in RAL 9006.

TECHNICAL INFORMATION

Tellus-LÖV VAV-MU-H-160-3-2-0-MS

1 2 3 4 5 6 7 8

1 Type	5 Connection
Tellus-LÖV VAV LÖV pattern	0 Belimo MP-Bus
Tellus-LÖV-S VAV LÖV downward pattern	3 Belimo Modbus**
	4 Belimo Bacnet**
	7 Belimo KNX**
2 Funktion	8 MCD-Bus for XAC**
MI Motor inside	10 Siemens KNX**
MU Motor external	11 Siemens Bacnet**
	45 Siemens Modbus**
3 Design	**Only for MU
H High profil design	6 Plug
L Low profil design*	0 without plug
	1 Wago 4 pol.Midi, Grey***
*Low profil design only for MI	2 Wago 4 pol.Midi, Green****
4 Dimension	***Only for motor selection 0 and MU
Ø125	****Only for motor selection 3,4,7,10,11 and 45
Ø160	7 Exposed surface
Ø200	0 Standard RAL 9003
Ø250	UL Uncoated
	SL-RAL Special coated RAL
	SL-NCS Special coated NCS
	8 Labelling scheme
	0 Standard
	MS Labelling scheme

Example: Tellus-LÖV VAV-MU-H-160-3-2-0-MS:

Type	Tellus-LÖV VAV
Funktion	MU-motor external
Design	High profil design
Dimension	Ø160
Connection	Belimo Modbus
Plug	Wago 4 pol.Midi, Green
Exposed surface	Standard RAL 9003
Labelling scheme	Labelling scheme

Dim.	(Open) m ³ /h		
	25 dB(A)	30 dB(A)	35 dB(A)
125	163	197	239
160	306	375	461
200	388	465	557
250	441	541	663

Dim.	(75 Pa) m ³ /h		
	25 dB(A)	30 dB(A)	35 dB(A)
125	115	170	234
160	252	332	440
200	260	396	550
250	370	475	641

Tellus-LØV VAV has a built-in VAV controller for demand control of air volume. The damper solution can throttle high pressures at high airflow and maintain a low sound level, and can reduce the need for

dampers and silencers in areas towards the valve location in a duct system. Tellus-LØV VAV MI (internal motor) is supplied with Belimo MPBus. For communication with Modbus and BACnet, the Belimo UK

24-Gateway can be used. Tellus-LØV VAV MU (external motor) can be supplied with several different Bus options for SD systems. See order code.

Measurement deviation for the area:

- 10-20% of nominal: $\pm 25\%$
- 20-40% of nominal: $< \pm 10\%$
- 40-100% of nominal: $< \pm 4\%$

In order to sustain the product's measurement accuracy, straight ducting of min. $5 \times \text{ØD}$ is recommended.