

# VAV-Compact D3. The original – now even better.

> We set standards.  
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## Sensor, controller and actuator in a single device.

The new VAV-Compact D3 offers more simplicity and convenience. It is particularly suitable for ventilation in private apartments, offices, hospitals and hotels. Thanks to the precision and long term stability of the regulation of the airflow, energy-efficient operation of systems can be achieved.



### Precise and convenient control

With its new differential pressure sensor, the VAV-Compact D3 also precisely regulates small volumetric air flows. The minimum flow rate protects it against contamination. It even detects incorrect connections on the air side and displays them. Operation remains as simple as before: The VAV-Compact D3 can be accessed directly at the control panel or through the tool socket on the device. With the ZTH-GEN Service tool, the information on the VAV unit can be checked and corrections can be undertaken directly on site. For detailed analyses, including trend recording and logs, the expanded PC-Tool can be used, which is also capable of direct connection.

### Intelligent and economical

The sensor of the VAV-Compact D3 measures existing differential pressure and controls volumetric air flow. The current values can be read using the ZTH-GEN Service tool. This facilitates the monitoring of the system, particularly during ongoing operation. Certified LON types are available for direct connection with the LonWorks®. Bus integration becomes even simpler with the MP types: Up to eight devices – including one sensor each – can be combined via the MP-Bus® and integrated in various bus systems reducing the number of cables required. In combination with the Belimo Fan Optimiser the VAV units can position the ventilators to reduce energy consumption and airflow noise levels.

# VAV-Compact D3. Measurement and Control. Linear or rotating.

Range					
VAV-Compact					
					
	LMV-D3-MP	NMV-D3-MP	LHV-D3-MP	LMV-D3LON	NMV-D3LON
Applications	Comfort	Comfort	Comfort	Comfort	Comfort
VAV/CAV control	•	•	•	•	•
Actuators					
Torque/positioning force	5 Nm	10 Nm	150 N	5 Nm	10 Nm
Running time	variable	variable	variable	variable	variable
Supply/Inputs					
AC/DC 24 V	•	•	•	•	•
Sensor integration (bus operation only)	•	•	•	•	•
Control					
0/2...10 V	•	•	•		
Via contacts (CAV)	•	•	•		
MP-Bus®	•	•	•		
LONWORKS®				•	•
Operation					
Service socket for tool connection	•	•	•	•	•
Pressure sensor					
0...300 Pa, dynamic integrated	•	•	•	•	•
Accessories	Type				
Room temperature controller	CR24..	•	•	•	
Positioner	CRP24..	•	•	•	
Fan Optimiser	COU24-A-MP	•	•	•	
MP gateways	UK24LON, UK24EIB, UK24MOD	•	•	•	
PC-Tool	MFT-P	•	•	•	•
Service tool	ZTH-GEN	•	•	•	•

Belimo worldwide: [www.belimo.com](http://www.belimo.com)



5-year warranty



On site around the globe



Complete product range



Tested quality



Short delivery times



Comprehensive support

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