



RPM-V 160 70/500 SL/I B02 > 2 - 10V

BELIMO - Compact (sensor, regulator and actuator in one body), Without spring return, Dynamic sensor, Communication MODBUS / BACnet / MPBus, Signal 2 - 10V

Size:	DN 160 / 450
Flow rate V:	150 m ³ /h
Media speed w:	2.1 m/s
Pressure loss Δp_{cv} :	< 5 Pa
Sound power level LWA:	50 Pa: 16 dB(A) 100 Pa: 19 dB(A) 250 Pa: 25 dB(A) 500 Pa: 31 dB(A)
Weight:	4.3 kg
Effective damper's area S _{ef} :	---

Octave band sound power level LWA (inside the duct)

f [Hz]	63	125	250	500	1000	2000	4000	8000	LWA
L _w oct [dB] at $\Delta p_{st} = 2$ Pa	---	---	---	---	---	---	---	---	---
L _w oct [dB] at $\Delta p_{st} = 50$ Pa	51	42	36	35	39	34	26	17	42
L _w oct [dB] at $\Delta p_{st} = 100$ Pa	57	47	42	41	43	39	32	20	47
L _w oct [dB] at $\Delta p_{st} = 250$ Pa	64	55	49	48	51	47	39	27	55
L _w oct [dB] at $\Delta p_{st} = 500$ Pa	72	63	57	56	59	55	47	35	62

Description

The air volume controllers are meant for systems with a variable air volume that is used for input or output air. The required amount of air that is taken into the individual rooms or working areas is variable with respect to time and can be changed according to momentary need when the controllers are installed. Total power of air-conditioning system can be lower. This variable systems enable a more economical operation air-conditioning systems and while ensuring individual well-being on the premises setting. The controller consists of the body of the controller with a control blade and pressure probes for determining the through-flow of air. An compact controller is affixed to the body for controlling the control blade.

Characteristics

- For regulation of variable or constant airflow volume in HVAC systems
- Diameter from 80 to 630 mm
- Airflow volume from 18 to 7 900 m³/h
- For Air velocities from 1 m/s
- Made of galvanized steel
- Each regulator is equipped with an airflow pressure probe and electrical actuating (e.g. Belimo LMV-D3 MP, NMV-D3-MP or SMV-D3-MP, power supply 24 V, control power 0 – 10 V, or 2 – 10 V)