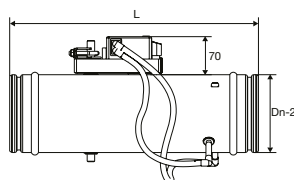
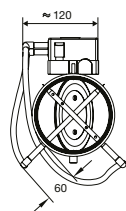
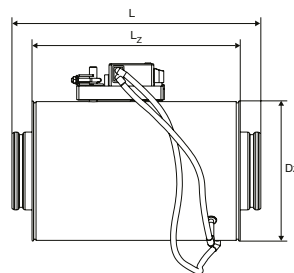
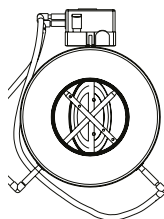


MVF-S Varioflow® – variable flow controller



MVF-S



MVF-S-I

Technical parameters

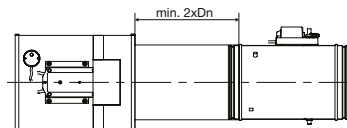
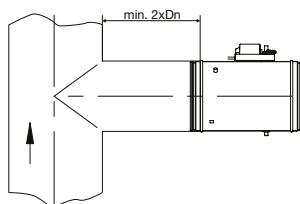
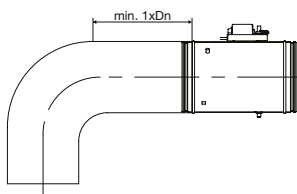
Variable air volume controller for circular ducts with built-in control consists of a tight valve, actuator and measuring device. The input data is compared with a reference signal and then the damper setting is adjusted by the actuator.

- for controlling supply and exhaust air in ventilation systems
- can be controlled by temperature, air quality, pressure, etc. sensors
- damper with rubber seal
- minimum airflow velocity 1.2 m/s (measurement uncertainty up to 22%)
- maximum airflow velocity 12 m/s (measurement uncertainty up to 4%)
- MVF-S-I – version with external insulation, thickness. 50 mm
- standard design analogue input 0–10 V, actuator reconfiguration via Belimo Assistant mobile app using NFC communication

Type	Ø Dn [mm]	L [mm]	Ø Dz [mm]	Lz [mm]	Q min [m³/h]	Q max [m³/h]
MVF-S 100	100	310	198	220	34	340
MVF-S 125	125	310	223	220	53	530
MVF-S 160	160	400	258	310	87	870
MVF-S 200	200	400	298	310	138	1380
MVF-S 250	250	400	348	310	212	2120
MVF-S 315	315	500	413	410	337	3370
MVF-S 355	355	500	453	410	428	4280
MVF-S 400	400	530	498	440	543	5430

The Belimo LMV-D3-MP actuator is used for all sizes. Upon request, it can be supplied with an actuator supporting the Modbus communication protocol.

Additional illustration



recommended installation



■ VARIOSU 24–10 power supply

allows the connection and power supply of air flow controllers (MVF-S and IVF-S) with AC 24 V supply voltage, which are used in DCV central ventilation systems. Air quality sensors with AC 230 V supply voltage and room controllers with AC 24 V supply voltage can be connected to the power supply. The power supply is supplied in a special sheet metal enclosure with a removable lid. In addition, the power supply is equipped with two additional AC 24 V and DC 10 V power outputs, which are not primarily intended

to power the flow controllers and drivers, but allow the connection of other optional sensors or instruments.

■ Notice

When designing, the total power consumption of all devices connected to the VARIOSU 24–10 power supply must be taken into account. The VARIOSU 24–10 wiring diagram for specific applications must be requested from the technical department of ELEKTRODESIGN Fans, Ltd.

Details www.elektrodesign.cz