

Volume Control Dampers

Circular VCD



SR 653 Q

Advantages

- Manual or motorised control.

DESCRIPTION

- Volume control dampers are designed for quiet, efficient and reliable air volume control in ventilation systems.

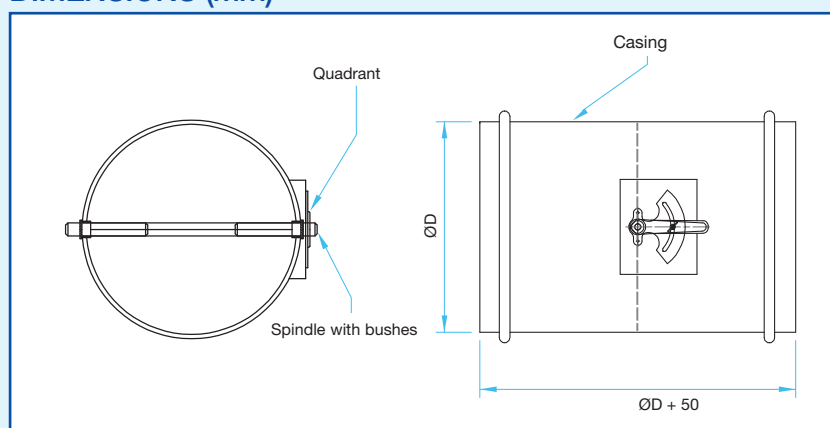
CONSTRUCTION

- Casing manufactured from 20 ga. galvanized sheet as standard. Other gauges available on request.
- Blades manufactured from 20 ga. galvanized steel up to 500 mm and 18 ga. for larger sizes.
- Standard neoprene gasket, code N2.
- Blades connected to the casing by means of spindles which are mild steel hot dip galvanized. Size shall be 12 mm round or 10 mm square. Spindles bolted, riveted or welded as per specification.
- Standard brass bushes, code B1. PVC bush, code B2. Stainless steel bearing, code B3, available upon request.
- Mode of operation: standard manual quadrant code Q. Motorization, code M, available upon request.
- Minimum size: 100 mm.
- Maximum size: 700 mm.

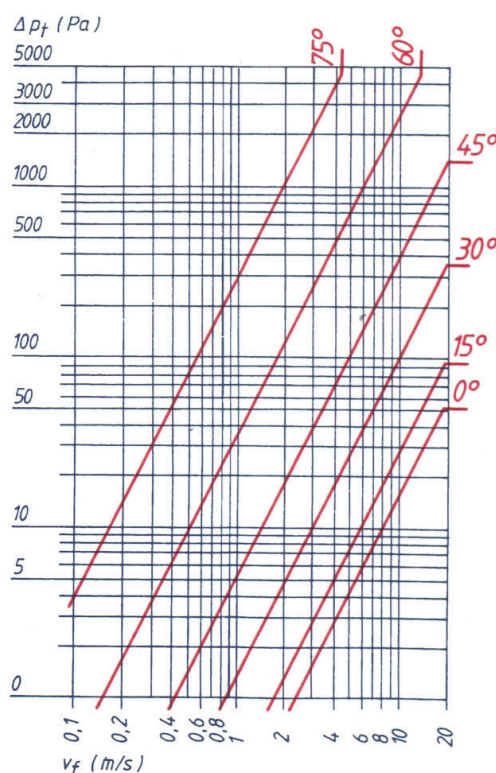
RANGE

Type	Description	Code
SR 653	Circular VCD with casing and blades manufactured from GI	
ER 653	Circular VCD with casing and blade made from SS (grade 304)	

DIMENSIONS (mm)



PRESSURE DROP



Volume Control Dampers

Motorisation and accessories



APPLICATION

- Motorisation and adjustment of SU650, SU651 and SR653 dampers.
- Choice of actuators depending on torque, modulated or total open / close functions, safety functions and data feedback.

DESCRIPTION

- Actuators covering torque levels of 2 to 20 Nm.
- Open / close type or modulating type.
- Safety functions: re-arming spring.
- Data feedback: actuators with contacts.
- All the F type actuators have a reversible sprocket wheel in the event that the shaft is too short.
- Actuators type 24: 24 V AC / DC.
- Actuators type 230: 230 V AC.

DETAILS

Damper type	Max. area (m ²)	Type of actuators	Torque (Nm)	Circular shaft Ø (mm)	Square Shaft (mm)
Non-spring return actuators					
SU 650 M SU 651 M SR 653 M	up to 1 m ²	LM 24 A-S & LM 230 A-S LM 24 A-SR & LM 230 A-SR	5	6-20	6-20
	from 1 to 2 m ²	NM 24 A-S & NM 230 A-S NM 24 A-SR & NM 230 A-SR	10	8-20	8-20
	from 2 to 4 m ²	SM 24 A-S & SM 230 A-S SM 24 A-SR & SM 230 A-SR	20	10-20	10-20
Spring return actuators					
SU 650 M SU 651 M SR 653 M	up to 0.4 m ²	TF 24-S & TF 230-S TF 24-SR & TF 230-SR	2	6-12	6-12
	from 0.4 to 0.8 m ²	LF 24-S & LF 230-S LF 24-SR & LF 230-SR	4	8-16	8-16
	from 0.8 to 3 m ²	AF 24-S & AF 230-S AF 24-SR & AF 230-SR	15	10-20	10-16

ACCESSORIES

Description	Code
Contacts (for LM, NM and SM models only)	
S1 A	
S2 A	

NON-SPRING RETURN ACTUATORS

Description	Code
Open / close type	
LM 230 A - S	
LM 24 A - S	
NM 230 A - S	
NM 24 A - S	
SM 230 A - S	
SM 24 A - S	
Modulating type	
LM 230A - SR	
LM 24A - SR	
NM 230A - SR	
NM 24A - SR	
SM 230A - SR	
SM 24A - SR	

SPRING RETURN ACTUATORS

Description	Code
Open / close type	
TF 230 - S	
TF 24 - S	
LF 230 - S	
LF 24 - S	
AF 230 - S	
AF 24 - S	
Modulating type	
TF 230 - SR	
TF 24 - SR	
LF 230 - SR	
LF 24 SR	
AF 230 - SR	
AF 24 SR	