



E.01

Fire dampers

SC90+

- Fireproof butterfly dampers
- Circular
- EI90S
- With fuse 72°C
- Ø 100 - 200



Fireproof butterfly dampers EI90S type SC90+

Fire dampers SC90+ offer a solution for small diameters. Two half round blades are held together by a fusible link. When the temperature rises above 72°C the fusible link will break. Thereby the two half blades are released and the fire damper is shut, preventing smoke or flames from passing through

Application

- Closing ventilation ducts in case of fire
- Fire resistant for 90 minutes
- For ambient temperature below 50°C with an RH of 30-70%
- To be mounted horizontally or vertically

Material

- Steel

Construction



Composition

- Steel tunnel
- Fusible link 72°C
- Fiber silicate blades



- 1. Tunnel in steel
- 2. Two half round blades
- 3. Intumescent strip around the tunnel
- 4. Rubber sealing ring
- 5. Fusible link 72°C
- 6. 2 blocking hooks
- 7. End of range switch (option)
- 8. Product identification

Mounting

- To be inserted in round ducts, passing fireproof walls or floors according to installation manual delivered with the product.

Certification

- Classified EI90(v_e,h_o o<->i)S at 300Pa according EN 13501-3 in rigid wall, rigid floor and flexible wall certified by testreport IBS 314091709
- CE marked according to EN 15650

Accessories

- **FCU SC** end of range switch upon request

Other available products

- Also available in Rf 60 minutes type **SC60+** or 120 Minutes type **SC120+**

Text for tender

- Circular fireproof butterfly damper for installation in ventilation ducts passing through a construction element in order to stop the propagation of fire. Fire resistance up to 90 minutes
- **ATC** Type **SC90+**

Order example

- **SC90+, 125**

Explanation

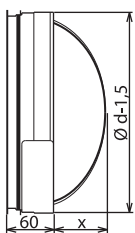
SC90+ = Round butterfly fire damper Rf 90 minutes

125 = duct diameter

		Quick selection					
		3	4	5	6	7	8
100	v						
	Qv	85	113	141	170	198	226
	veff	8	11	14	16	19	22
	Ps	12	22	35	50	68	88
125	Lw	42	47	49	52	54	57
	Qv	133	177	221	265	309	353
	veff	6	8	10	12	14	16
	Ps	8	14	22	32	44	57
160	Lw	41	45	47	50	52	55
	Qv	217	290	362	434	507	579
	veff	5	7	8	10	12	14
	Ps	6	10	16	22	31	40
200	Lw	38	43	46	49	51	53
	Qv	339	452	565	679	792	905
	veff	8	11	13	16	18	21
	Ps	4	8	12	17	24	31
	Lw	37	42	45	47	50	52

Symbols and specifications

- v = Air velocity in the duct in m/s
- Qv = Air volume in m³/h
- v_{eff} = Effective velocity through the damper in m/s
- Ps = Static pressure in Pa
- Lw = Acoustic power in dB(A)



■ SC90+

SC90+	Dimensions		
	Ød [mm]	Ød-1,5 [mm]	X [mm]
100	100	98.5	18
125	125	123.5	31
160	160	158.5	49
200	200	198.5	69