



E.01

Fire dampers

**SC120+**

- Fireproof butterfly dampers
- Circular
- EI120S
- With fuse 72°C
- Ø 100 - 200



## Fireproof butterfly dampers EI120S type SC120+

Fire dampers SC120+ 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 2 hours
- 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. Steel tunnel
- 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 according to installation manual delivered with the product

### Certification

- Classified E120( $v_e, h_o, o \leftarrow i$ )S at 300Pa according EN 13501-3 in rigid wall certified by testreport Efectis 10-F-675
- CE marked according to EN 15650

### Accessories

- Self-assembly end of range switch, type **KIT FCU SC**
- Premounted end of range switch upon request, type **FCU SC**

### Other available products

- Also available in Rf 60 minutes type **SC60+** or 90 minutes type **SC90+**

### 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 2 hours
- **ATC Type SC120+**

### Order example

- **SC120+, 125**

Explanation

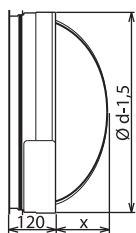
**SC120+** = Round butterfly fire damper Rf 120 minutes

**125** = duct diameter

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

### Symbols and specifications

- v = Air velocity in the duct in m/s
- Qv = Air volume in m<sup>3</sup>/h
- v<sub>eff</sub> = Effective velocity through the damper in m/s
- Ps = Static pressure in Pa
- Lw = Acoustic power in dB(A)



		Dimensions			
SC120+	Ød [mm]	Ød-1.5 [mm]	X [mm]	Ak [m <sup>2</sup> ]	
100	100	98.5	20	0.003	
125	125	123.5	33	0.006	
160	160	158.5	51	0.012	
200	200	198.5	71	0.021	