SC120

- Fireproof butterfly dampers
- Circular
- EI120S

Fireproof butterfly dampers Rf2h type SC120

ATC fire dampers SC120 offer a solution for small diameters (100 – 200 mm.). Two half round blades are held together by a fusible link. When the temperature rises above 70°C the fusible link will melt and 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
- Mounted in concrete wall, floor, ceiling or light partition wall
- Fire resistant for 2 hours
- For air of 15°C up to 45°C
- For air with RV 30-70%
- To be mounted horizontally or vertically
- Range 100 – 200 mm (to be used in Belgium only in size 100 and 125)

Material

- Steel

Construction

Composition

- 1. Tunnel in steel
- 2. Two half round blades
- 3. Intumescent strip around the tunnel
- 4. Rubber sealing ring
- 5. Fusible link 70°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

Certification

- Approved according EN 1366-2

Accessories

- **FCU SC** end of range switch

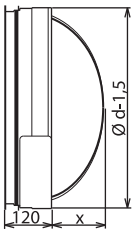
Text for tender

- 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



Dimensions			
	Ød	Ød-1,5	X
100	100	98.5	20
125	125	123.5	33
160	160	158.5	51
200	200	198.5	71

Dia	v	3	4	5	6	7	8
100	Qv	85	113	141	170	198	226
	Veff	6.10	8.10	10.20	12.20	14.20	16.30
	Ps	19	28	41	56	74	94
	Lw	32	38	42	45	48	50
125	Qv	133	177	221	265	309	353
	Veff	5.10	6.80	8.50	10.10	11.80	13.50
	Ps	15	21	29	39	51	65
	Lw	30	35	40	43	46	48
160	Qv	217	290	362	434	507	579
	Veff	4.40	5.90	7.40	8.80	10.30	11.80
	Ps	12	16	22	29	37	46
	Lw	28	33	37	41	44	46
200	Qv	339	452	566	679	792	905
	Veff	4	5.40	6.70	8.10	9.40	10.80
	Ps	10	14	18	23	29	35
	Lw	26	31	35	39	42	44

Symbols and specifications

- v = Air velocity in the duct in m/s
- Qv = Air volume in m³/h
- veff = Effective velocity through the damper in m/s
- Ps = Static pressure in Pa
- Lw = Acoustic power in dB(A)
- Dia = Duct diameter in mm