



Fireproof butterfly dampers Rf90min type SC90

ATC fire damper SC90 offers 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 1,5 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

Fire dampers

- 7. End of range switch (option)
- 8. Product identification

Mounting

- To be inserted in round ducts, passing fireproof walls or floors

Certification

- Approved according to EN15650:2010 and 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 90 minutes.
- **ATC**
- type **SC90**

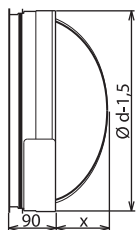
Order example

- **SC90, 125**

Explanation

SC90 = Round butterfly fire damper Rf 90 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
	Ve _{eff}	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
	Ve _{eff}	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
	Ve _{eff}	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
	Ve _{eff}	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
- ve_{eff} = Effective velocity through the damper in m/s
- Ps = Static pressure in Pa
- Lw = Acoustic power in dB(A)
- Dia = Duct diameter in mm