

F-C2



Fire damper

Product description

Circular Butterfly Fire Damper certified according to EN 15650 and tested under EIS criteria in compliance with EN 1366-2, with classification up to EI120(v_g/h_o i↔o)S.

Installed in circular ventilation and air-conditioning ducts, these dampers provide passive fire protection and are designed for compartmentalizing fire zones to prevent the spread of toxic gases, smoke, and fire.

Actuation

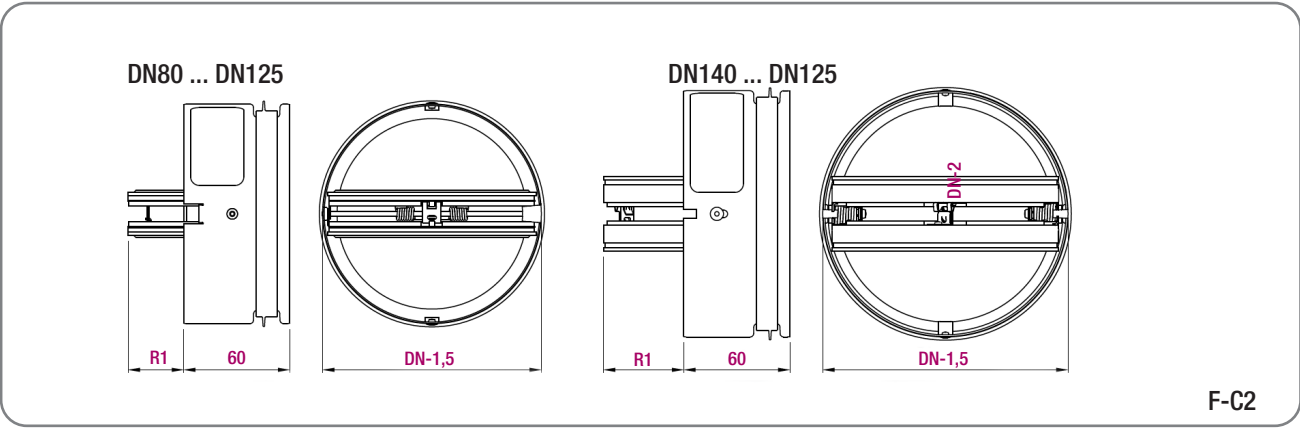
The F-C2 fire damper remains open by means of a thermal fuse which, in the event of a fire, melts when the air temperature inside the duct reaches 72 °C. When the fuse melts, it releases the spring mechanism, causing the damper to close automatically to prevent fire propagation.

Once the damper blades have closed, they are mechanically locked in the closed position, and reopening is only possible manually.

Accessories

- H0.** With thermal fuse without end-of-stroke switch
- H1.** With thermal fuse with end-of-stroke switch

General dimensions



	DN (mm)						
R ₁ (mm)	80	100	125	150	160	180	200
	8,8	18,8	31,3	52,0	57,0	67,0	77,0

Unit in mm

Free area

	DN (mm)						
A _v [m²]	80	100	125	150	160	180	200
	0,003	0,006	0,010	0,012	0,014	0,018	0,02

Unit in mm

Selection table

Size	Q (m³/h)	L _{WA} [dB(A)]	ΔP _{st} (Pa)	V _p (m/s)
80	63	30	21	3,5
	75	35	30	4,1
	93	40	46	5,1
	115	45	70	6,4
100	100	30	17	3,5
	120	35	27	4,2
	140	40	36	5,0
	170	45	54	6,0
125	170	30	11	3,2
	210	35	17	4,8
	260	40	26	5,9
	320	45	40	7,2
150	220	30	11	3,5
	280	35	18	4,4
	350	40	30	5,7
	460	45	48	7,2
160	260	30	10	3,6
	340	35	16	4,7
	430	40	26	5,9
	540	45	41	7,5
180	340	30	9	3,7
	430	35	15	4,7
	550	40	24	6,0
	690	45	39	7,5
200	410	30	8	3,6
	520	35	13	4,6
	680	40	22	6,0
	850	45	35	7,5