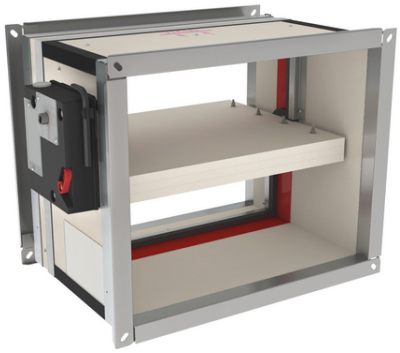
CU2 CE-Certified Rectangular Refractory Fire Damper – Manual Operation



Description

Rectangular fire dampers for large dimensions with fire resistance up to 120 minutes, CE marked with performance declared according to EN 15650:2010 and with fire resistance determined according to EN 1366-2 up to EI 120 (ve i ↔ o)S - (500Pa) and EI 120 (ho i ↔ o) S - (500Pa) depending on the installation surface. The dampers can be equipped with different types of mechanisms, depending on the specific needs of the project.

Characteristics

Structure made of refractory material. 45 mm thick refractory blade. Dimensions: from 200x200 to 1500x1000. Heat-expanding perimeter seal. Two microswitches (one start and one end switch) already installed. 30 mm connection flange. 400 mm case. Easy to install. Tested installation in series. Class B air tightness according to EN1751. Suitable for recessed installation in any direction 0/90/180/270°. Suitable for rigid wall, rigid floor and lightweight wall (plasterboard). Does not require maintenance. For indoor use. Intermediate dimensions on request. Operating temperature: max 50°C.

Use and Classification

- Rigid wall: EI 120 (ve i ↔ o) S – (500 Pa).
- Lightweight wall: EI 120 (ve i ↔ o) S – (500 Pa) (gypsum blocks).
- Lightweight wall: EI 120 (ve i ↔ o) S – (500 Pa) (plasterboard type F).
- Slab: EI 120 (ho i ↔ o) S – (500 Pa) aerated concrete.

Minimum Distance Principle

CU2 fire dampers can be installed with coupled flanges adjacent to a wall, ceiling or floor. This type of fire damper has been optimised to minimise the installation distance between two dampers and between the damper and the adjacent wall.

Standard Version

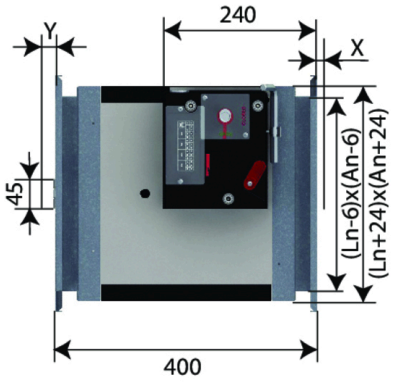
- With thermo-mechanical manual drive: code CU2 + CFTH + FDCU.

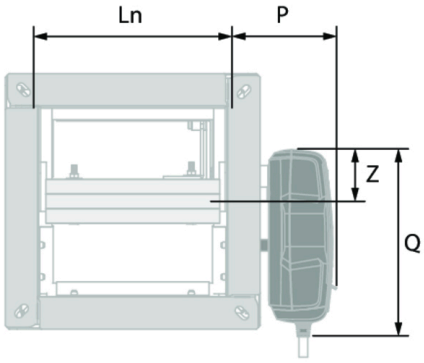
Versions on Request

- With electromagnet drive normally energised or normally de-energised , code CU2 + UNIQ VD/VM FDCB.
- Mod. CU2/B version for installation in series.
- Mod. CU2L version with extended tunnel on one or both sides to contain the entire blade.
- Mod. CU4 damper with EI 240 resistance (ve i ↔ o) S – (500 Pa) for brick walls.
- Mod. CU2/15 damper with EI 120 resistance (ve i ↔ o) S and pressure (1500 Pa) for brick walls.

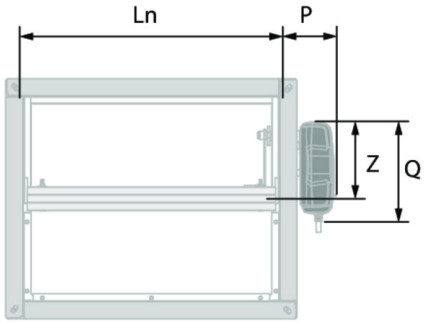
Accessories

- F-CFTH – 72°C Thermal Fuse for CFTH mechanism, suitable for CU2 and CR2 series fire dampers.





An < 300mm



An ≥ 300mm

Dimensions

x: blade coming out on servomotor side.
y: blade coming out on wall side.

An (mm)	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
x (mm)						1	26	51	76	101	126	151	176	201	226
y (mm)	2	27	52	77	102	127	152	177	202	227	252	277	302	327	352

	An < 300mm (mm)		An ≥ 300mm (mm)
	CFTH	E/RMEX(T)	CFTH
P (mm)	78	118	78
Q (mm)	180	95	180
Z (mm)	62	72,5	157

Price List

Ln: base (mm)													
An: altezza	200	250	300	350	400	450	500	550	600	650	700	750	800
mm	Eur	Eur	Eur	Eur	Eur	Eur	Eur	Eur	Eur	Eur	Eur	Eur	Eur
200	-	-	-	-	-	-	-	-	-	-	-	-	-
250	-	-	-	-	-	-	-	-	-	-	-	-	-
300	-	-	-	-	-	-	-	-	-	-	-	-	-
350	-	-	-	-	-	-	-	-	-	-	-	-	-
400	-	-	-	-	-	-	-	-	-	-	-	-	-
450	-	-	-	-	-	-	-	-	-	-	-	-	-
500	-	-	-	-	-	-	-	-	-	-	-	-	-
550	-	-	-	-	-	-	-	-	-	-	-	-	-
600	-	-	-	-	-	-	-	-	-	-	-	-	-
650	-	-	-	-	-	-	-	-	-	-	-	-	-
700	-	-	-	-	-	-	-	-	-	-	-	-	-
750	-	-	-	-	-	-	-	-	-	-	-	-	-
800	-	-	-	-	-	-	-	-	-	-	-	-	-
850	-	-	-	-	-	-	-	-	-	-	-	-	-
900	-	-	-	-	-	-	-	-	-	-	-	-	-
950	-	-	-	-	-	-	-	-	-	-	-	-	-
1000	-	-	-	-	-	-	-	-	-	-	-	-	-

Ln: base (mm)														
An: altezza	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500
mm	Eur	Eur	Eur	Eur	Eur	Eur	Eur	Eur	Eur	Eur	Eur	Eur	Eur	Eur
200	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300	-	-	-	-	-	-	-	-	-	-	-	-	-	-
350	-	-	-	-	-	-	-	-	-	-	-	-	-	-
400	-	-	-	-	-	-	-	-	-	-	-	-	-	-
450	-	-	-	-	-	-	-	-	-	-	-	-	-	-
500	-	-	-	-	-	-	-	-	-	-	-	-	-	-
550	-	-	-	-	-	-	-	-	-	-	-	-	-	---
600	-	-	-	-	-	-	-	-	-	-	-	-	---	---
650	-	-	-	-	-	-	-	-	-	-	-	---	---	---
700	-	-	-	-	-	-	-	-	-	-	---	---	---	---
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850	-	-	-	-	-	-	-	---	---	---	---	---	---	
900	-	-	-	-	-	-	---	---	---	---	---	---	---	
950	-	-	-	-	-	---	---	---	---	---	---	---	---	
1000	-	-	-	-	---	---	---	---	---	---	---	---	---	

Spare Fuses

Description		Eur
	F-CFTH – 72°C Thermal Fuse for CFTH mechanism, suitable for CU2 and CR2 series fire dampers	-