



Description

Fire dampers 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 - (500 Pa) depending on the installation surface. The dampers can be equipped with different types of mechanisms, depending on the specific needs of the project.

Standard version

With thermo-mechanical manual drive: code CU-LT + MFUSP + FDCU.

With RFT electronic servomotor drive: code CU-LT + ONE T 24/230 V FDCU.

With Belimo servomotor drive: code CU-LT + BFLT 24 / 230 V.

Versions on request

With electromagnet drive normally energised or normally de-energised, code CU-LT + UNIQ VD/VM FDCB.

Use and classification with mechanical, magnetic or motorised control

- Rigid wall: EI 120 (ve i ↔ o) S - (500 Pa).
- Lightweight wall: EI 120 (ve i ↔ o) S - (300 Pa) with Weichschott sealing on plasterboard wall.
- Slab: EI 120 (ho i ↔ o) S - (500 Pa) aerated concrete.

Characteristics

Galvanised steel structure.
25 mm thick refractory blade.
Dimensions: from 200x100 to 800x600.
Heat-expanding perimeter seal.
2 microswitches (one start and one end switch) already installed.
20 mm connection flange.
300 mm case.
Easy to install.
Optimised free surface and minimal pressure drop thanks to the total absence of internal levers.
Optimal acoustic performance.
Class C air tightness according to EN1751.
Suitable for recessed installation in any direction 0/90/180/270°.
Suitable for installation at a distance from the wall.
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.

ONE RFT actuator characteristics

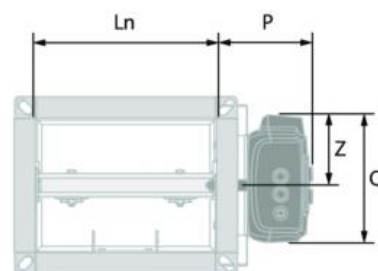
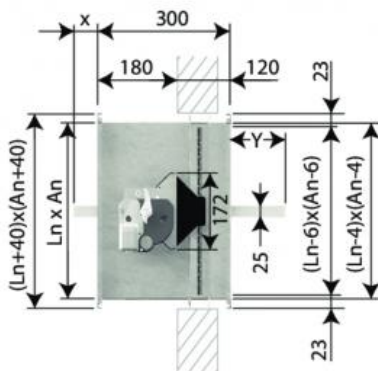
The microprocessor-controlled servomotor with spring return, ONE Rf-t, is designed to efficiently operate Rf-t fire dampers of any size. The main characteristics of the ONE Rf-t actuator are the following:

- very low stand-by energy consumption (0.12 W) which allows for up to 5 times less energy consumption compared to conventional servomotors installed in fire dampers;
- the opening status of the fire damper is visible via an indicator located on the actuator; in addition to this, an LED indicates whether the device is powered;
- the main thermal activation device allows for operational tests to be performed even if there is no mains power supply;
- a further activation device is integrated in the actuator in order to detect a possible fire outside the duct;
- the fuse can be replaced quickly and easily. The fuse housing is located in the servomotor body and it can also be used as an inspection hole for an endoscopic camera;
- the damper can be reset manually using a common 9 Volt alkaline battery. Up to 50 reset cycles can be performed with a single battery;
- IP54 enclosure made of shock-resistant technical polymer.
- there is a pair of microswitches at the start and at the end. Both power and position cables are oversized and clearly identified.
- Power supply 24 VAC/VDC (-10/+20%) or 230 VAC (-15/+15%).

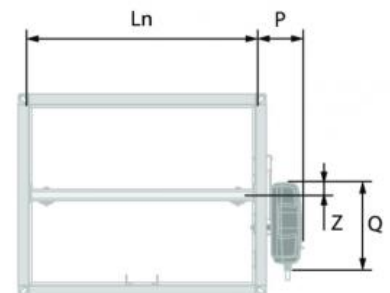
Minimum distance principle

CU-LT 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.



An < 400mm



An ≥ 400mm

Dimensions:

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

An(mm)	150	200	250	300	350	400	450	500	550
x (mm)								17	42
y (mm)	2	27	52	77	102	127	152	177	202

	An < 400mm (mm)						An ≥ 400mm (mm)					
	MFUSP		ONE		BFLT		MFUSP		ONE		BFLT	
P (mm)	101		97		81		101		97		81	
Q (mm)	122		136		80		123		191		80	
Z (mm)	61		75		40		28		27		40	

Version with mechanical control MFUSP - Price list

Item normally available from stock

An: height	Ln: base (mm)												
	200	250	300	350	400	450	500	550	600	650	700	750	800
mm	euro	euro	euro	euro	euro	euro	euro	euro	euro	euro	euro	euro	euro
100	219,77	224,58	229,30	234,15	238,90	243,66	248,41	253,25	257,98	262,76	267,53	272,30	277,07
150	220,88	225,69	230,41	235,27	239,98	244,78	249,55	254,30	259,08	263,88	268,59	273,42	278,20
200	222,01	226,78	231,55	236,36	241,08	245,88	250,61	255,45	260,20	264,96	269,71	274,57	279,26
250	227,16	232,28	237,38	242,51	247,58	252,69	257,78	262,88	268,03	273,15	278,27	283,38	301,24
300	232,28	237,72	243,15	248,64	254,03	259,48	264,96	270,41	275,84	281,27	299,53	304,96	310,38
350	237,42	243,21	248,99	254,81	260,57	266,33	272,12	277,93	296,46	302,23	307,98	313,79	319,61
400	242,57	248,67	254,84	260,95	267,01	273,15	279,21	298,16	304,23	310,38	316,51	322,61	328,77
450	247,69	254,15	260,61	267,07	273,48	292,75	299,22	305,67	312,10	318,53	325,00	331,50	337,91
500	252,86	259,55	266,41	273,22	292,78	299,57	306,38	313,13	319,89	326,73	333,52	340,31	359,87
550	257,91	265,11	272,20	279,32	299,25	306,38	313,50	320,64	327,79	334,88	342,05	361,94	369,01
600	263,09	270,53	278,03	298,31	305,73	313,19	320,64	328,09	335,62	343,09	363,28	370,74	378,23

Version with motorised control ONE RFT 24V - Price list

Item normally available from stock

An: height	Ln: base (mm)												
	200	250	300	350	400	450	500	550	600	650	700	750	800
mm	euro	euro	euro	euro	euro	euro	euro	euro	euro	euro	euro	euro	euro
100	528,57	533,45	538,32	543,24	548,12	552,99	557,86	562,80	567,64	572,55	577,40	582,34	587,19
150	529,68	534,58	539,45	544,37	549,23	554,14	559,00	563,90	568,78	573,71	578,50	583,48	588,34
200	530,81	535,73	540,56	545,52	550,36	555,25	560,10	565,04	569,91	574,79	579,69	584,61	589,45
250	536,10	541,32	546,56	551,82	557,00	562,23	567,45	572,71	577,97	583,19	588,40	593,65	611,92
300	541,32	546,89	552,47	558,06	563,61	569,20	574,79	580,34	585,93	591,52	610,17	615,76	621,31
350	546,62	552,53	558,45	564,36	570,27	576,20	582,09	588,08	607,04	612,95	618,82	624,78	630,71
400	551,86	558,12	564,42	570,66	576,89	583,19	602,49	608,81	615,01	621,31	627,58	633,81	640,11
450	557,14	563,73	570,32	576,95	583,53	603,24	609,85	616,45	623,06	629,62	636,27	642,89	649,47
500	562,38	569,29	576,30	583,25	603,27	610,21	617,18	624,09	631,06	638,04	644,96	651,92	671,92
550	567,58	574,94	582,18	589,51	609,89	617,18	624,45	631,82	639,10	646,38	653,70	674,08	681,32
600	572,88	580,47	588,18	608,92	616,51	624,15	631,82	638,89	647,31	654,78	675,44	683,09	690,71

Version with motorised control ONE RFT 230V - Price list

An: height	Ln: base (mm)												
	200	250	300	350	400	450	500	550	600	650	700	750	800
mm	euro	euro	euro	euro	euro	euro	euro	euro	euro	euro	euro	euro	euro
100	570,29	575,17	580,04	584,96	589,87	594,71	599,61	604,53	609,39	614,27	619,15	624,03	628,91
150	571,42	576,31	581,17	586,12	590,96	595,86	600,75	605,60	610,50	615,41	620,23	625,17	630,09
200	572,56	577,42	582,34	587,24	592,10	596,99	601,82	606,76	611,66	616,51	621,38	626,33	631,16
250	577,82	583,06	588,28	593,52	598,74	603,97	609,14	614,40	619,67	624,91	630,16	635,39	653,65
300	583,06	588,66	594,20	599,77	605,34	610,92	616,51	622,09	627,64	633,21	651,89	657,48	663,03
350	588,32	594,25	600,19	606,10	612,01	617,93	623,86	629,80	648,76	654,67	666,53	666,53	672,46
400	593,57	599,82	606,15	612,40	618,63	624,91	644,21	650,51	656,74	663,03	669,30	675,53	681,80
450	598,84	605,47	612,06	618,70	625,22	644,96	651,60	658,19	664,78	671,37	678,00	684,64	691,21
500	604,11	610,99	618,03	624,99	645,01	651,93	658,88	665,82	672,77	679,76	686,71	693,65	713,70
550	609,31	616,64	623,94	631,20	651,63	658,88	666,20	673,53	680,81	688,09	695,42	715,77	723,04
600	614,61	622,23	629,87	650,65	658,26	665,88	673,53	681,15	688,85	696,50	717,17	724,78	732,47

Version with motorised control Belimo BFLT 24V - Price list

Ln: base (mm)													
An: height	200	250	300	350	400	450	500	550	600	650	700	750	800
mm	euro	euro	euro	euro	euro	euro	euro	euro	euro	euro	euro	euro	euro
100	574,70	579,78	584,82	589,94	595,02	600,06	605,13	610,29	615,28	620,38	625,44	630,52	635,61
150	575,89	580,96	586,01	591,14	596,15	601,25	606,32	611,39	616,47	621,59	626,57	631,71	636,79
200	577,04	582,11	587,18	592,28	597,34	602,42	607,46	612,59	617,67	622,71	627,77	632,91	637,92
250	582,53	587,98	593,38	598,83	604,26	609,67	615,09	620,53	626,01	631,41	636,87	642,30	661,28
300	587,98	593,77	599,53	605,34	611,07	616,91	622,71	628,46	634,27	640,07	645,92	651,71	657,53
350	593,43	599,58	605,75	611,87	618,01	624,14	630,31	636,51	642,71	648,92	655,17	661,43	667,71
400	598,87	605,37	611,91	618,40	624,90	631,41	637,92	644,49	651,02	657,53	664,09	670,63	677,19
450	604,36	611,24	618,08	624,94	631,77	638,56	645,33	652,11	658,95	665,77	672,62	679,49	686,33
500	609,84	617,01	624,29	631,47	638,50	645,49	652,46	659,41	666,37	673,32	680,29	687,27	694,23
550	615,21	622,83	630,43	637,97	645,48	652,95	660,39	667,84	675,29	682,75	690,21	697,67	705,11
600	620,73	628,63	636,61	644,58	652,52	660,43	668,31	676,21	684,11	692,02	700,00	707,97	715,91

Version with motorised control Belimo BFLT 230V - Price list

Ln: base (mm)													
An: height	200	250	300	350	400	450	500	550	600	650	700	750	800
mm	euro	euro	euro	euro	euro	euro	euro	euro	euro	euro	euro	euro	euro
100	620,73	625,81	630,85	636,00	641,04	646,11	651,15	656,29	661,31	666,40	671,45	676,54	681,62
150	621,89	626,97	632,03	637,16	642,19	647,28	652,36	657,42	662,49	667,59	672,61	677,73	682,81
200	623,08	628,14	633,21	638,33	643,38	648,44	653,51	658,61	663,69	668,73	673,78	678,93	683,94
250	628,55	633,98	639,41	644,86	650,26	655,69	661,07	666,55	672,01	677,44	682,87	688,32	707,29
300	633,98	639,77	645,56	651,36	657,13	662,92	668,73	674,49	680,27	686,09	691,87	697,63	717,03
350	639,47	645,61	651,76	657,94	664,05	670,20	676,33	682,54	702,22	708,38	714,45	720,66	726,81
400	644,90	651,42	657,97	664,46	670,90	677,44	697,51	704,05	710,50	717,03	723,55	730,00	736,56
450	650,38	657,24	664,10	670,99	677,79	698,29	705,13	711,98	718,85	725,67	732,56	739,48	746,29
500	655,84	663,01	670,29	677,52	698,32	705,54	712,75	719,94	727,16	734,38	741,60	748,85	769,62
550	661,25	668,87	676,40	684,00	705,16	712,75	720,31	727,95	735,51	743,07	750,70	771,79	779,36
600	666,74	674,64	682,63	704,16	712,08	719,98	727,95	735,85	743,85	751,77	773,26	781,16	789,13

Spare fuses

Item normally available from stock	
Description	Euro
MFUS thermo-mechanical manual fuse	16,13
ONE T fuse for RFT electronic servomotor	66,56
Z-BAT fuse for BELIMO electronic servomotor	66,56

