Smoke control damper WXHU





Description

Circular smoke control damper for smoke and heat evacuation systems for single compartment. The damper casing is made of galvanized steel with LindabSafe connection with leakage class C according with EN1751. The damper has two different motorized versions depending on the relay response required: type AA (Automatic Activation) and type MA (Manual Activation, with fire rated motor covering box). The smoke damper is CE marked and certified according to EN12101-8, tested according to EN1366-10 and classified according to EN13501-4. The damper is suitable for vertical and horizontal installation in single compartment smoke duct evacuation systems with maximum temperature of 600°C for 2 hours with smoke leakage class S at 1500Pa negative pressure.

Classification (EN13501-4)

E_{600} 120 (v_{ed}, h_{od} i<->o) S 1500 C_{10000} AA single
E_{600} 120 (v_{ed}, h_{od} i<->o) S 1500 C_{10000} MA single

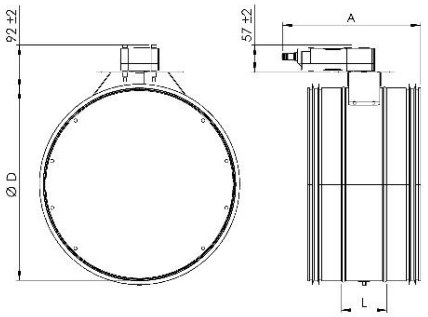
Product code		
Type	WXH	Circular smoke damper
Connection	U	Safe gasket
Relay Response	SAA	Single Automatic Activation
	SMA	Single Manual Activation
Motor type	V00	Belimo BEN 24 V AC/DC
	D00	Belimo BEN 230 V AC
Dimension	XYZ	Nominal diameter (mm)

Ordering example

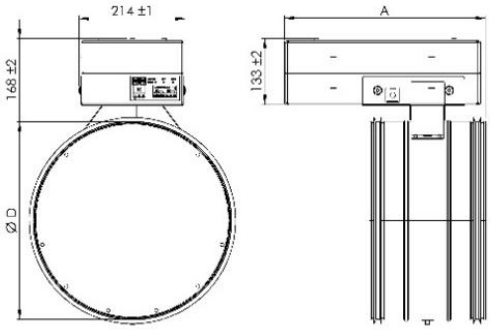
WXHU	SMA	D00	200
Type			
Relay response			
Motor type			
Dimension Ød			

Dimension

Type AA Ø 100-630 mm



Type MA Ø 100-630 mm



Ød nom	l mm	Type AA		Type MA	
		A mm	m Kg	A mm	m Kg
100	100	255	3,2	395	5,7
125	100	255	3,4	395	5,9
160	100	255	3,6	395	6,1
200	100	255	3,9	395	6,4
250	100	275	4,5	395	7,0
315	100	275	5,2	395	7,7
355	100	275	5,5	395	8,0
400	100	295	6,8	405	9,3
450	100	295	8,1	405	10,6
500	115	298	9,5	410	12,0
560	115	298	11,0	410	13,5
630	115	298	12,5	410	15

Smoke control damper WXHU

Classification details

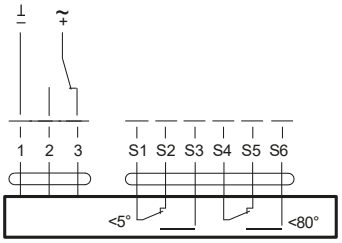
E_{600} 120 (v_{ed},h_{od} i<->o) S 1500Pa C_{10000} AA single

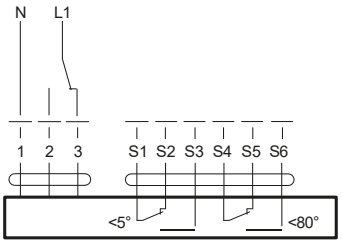
- E = integrity
- Temperature
- Time
- v_{ed} = Installation on duct penetrating a vertical wall
- h_{od} = Installation on duct penetrating a horizontal wall
- origin of fire is irrelevant
- Smoke leakage <5 (m^3/h)/m^2
- Maximum negative pressure
- Motor cycles use in combined smoke control and HVAC system
- Relay response
  Type AA = Automatic Activation
  Type MA = Manual Activation
- Single compartment

Technical data for the motors

BEN motor

	BEN24	BEN230
Power supply	AC/DC 19.2 28,8 V, 50/60 Hz	AC 198-264 V, 50/60 Hz
Power consumption	3 W	4 W
For wire sizing	6 VA	7 VA
Connection	Cable 1 m, 3×0,75 mm^2	Cable 1 m, 3×0,75 mm^2
Operative angle	Max. 95°	Max 95°
Torque at rated voltage	Min. 15 Nm	Min. 15 Nm
Direction of rotation	Select by mounting L/R	Select by mounting L/R
Position indication	Mechanical with pointer	Mechanical with pointer
Running time	<30 s for 90°	<30 s for 90°
Sound power level	Max. 58 dB (A)	Max. 58 dB (A)
Protection class IEC/EN	III Safety extra-low voltage	II Reinforced insulation
Protection class auxiliary switch	II Reinforced insulation	II Reinforced insulation
Protection type	IP 54	IP54
Ambient temperature range	-30 to +50°C	-40 to + 80°C
Ambient moisture	95 % RH	95 % RH





We reserve the right to make changes without prior notice