

Smoke damper model	Classification			Installation					Max air speed m/s	Max under/over pressure Pa		
	Fire resistance	Activation	Hot 400/30	Horizontal duct	Vertical duct	Horizontal construction	Vertical construction	Damper rotation				
<b>SINGLE</b>	SEDS-R Ø100-630		ES <sub>600</sub> 120	MA/AA	-	Yes	-	-	Yes	Free	15	1500/500
	SEDS-L 200x200 - 1200x1200		ES <sub>600</sub> 120	MA/AA	-	Yes	-	-	Yes	Free	15	1500/500
	SEDS 180x180 - 1600x1000		ES <sub>600</sub> 90	AA	-	Yes	-	-	-	Free	15	1000/500
<b>MULTI</b>	SEDM 180x180 - 1600x1000		EIS 120	MA/AA	Yes	Yes	Yes	Yes	Yes	Free	15	1500/500
	SEDM-L 200x430 - 1200x2030		EIS 120	MA/AA	Yes	Yes	-	Yes	Yes	Restricted	12	1000/500
	MSD-R (**MSD-W) Ø200-630		EIS 120	AA	-	Yes	Yes	Yes	Yes	Free	15	1500/500
	MSD (**MSD-W) 160x180 - 1500x800		EIS 120	AA	* Yes	Yes	Yes	Yes	Yes	Free	15	1500/500

**NOTE:**  
Highest possible class shown

\* Special order with thermally insulated casing for actuator  
\*\* MSD-W - Cycling test without load

1 2 3 4 5 6 7 8 9 10  
EI 120 (v<sub>ew</sub> - i <-> o) S1500C<sub>mod</sub>HOT 400/30MAmulti

**Product specification:**

	Model	Size	Design	Description
Example 1:	SEDM-L	500x430	.44	Smoke damper 230V
Example 2:	SEDM-L	500x430	.54	Smoke damper 24V

SPRING RETURN NOT ALLOWED BY EN 12101-8 !

Smoke dampers require supply voltage for both opening and closing

**Notes:**

- All rectangular dampers delivered with 30 mm flanges by default.
- Be mindful of dampers outer dimensions.
- Fireproof supply cable required in most cases.
- MULTI damper required when breaching a fire compartment. (ie. Wall classified as EI60)

- 1 - E – integrity, I – insulation.
- 2 - 120 min durability.
- 3 - “v<sub>ew</sub>” – indicate the suitability for vertical use together with mounting in a wall.
- 4 - “i>o”, “i<o” and “i<->o”, indicates that the performance criteria are satisfied from inside to outside (fire inside), outside to inside (fire outside) or both, respectively.
- 5 - S – smoke leakage.
- 6 - 1500 – Pa of maximum negative pressure tested.
- 7 - mod – modulating actuators allowed (20000 cycles tested).
- 8 - HOT 400/30 (High Operational Temperature) indicates that the damper has the ability to be opened or closed during a period of 30 minutes under temperature conditions below 400 °C
- 9 - “AA” or “MA” indicates automatic activation or manual intervention.
- 10 - Compartment Single/Multi indicate suitability for multi or single compartment use.

**Smoke control damper classification according to standards EN 13501-4 (tests according to EN 1366-10) and EN 12101-8**

**Inquire more about special applications from ETS NORD personnel.**

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