



## Motor/Actuators UL Listed Products Fire Dampers & Combination Fire & Smoke Dampers

### 250°F/ 121°C Rated Actuators Reference Chart

Maximum Damper Size and Static Pressure					
OPERATORS		Mounting	Power Supply	F/S-3V and S-3V	F/S-AF and S-AF
Manufacturer	Model			Max. Velocity 2000 FPM Pressure 4.0" w.g.	Max. Velocity 2000 FPM Pressure 4.0" w.g.
<b>Pneumatic - 25 psi</b>			<b>WIDTH or HEIGHT, SQ FT LIMITATIONS PER ACTUATOR</b>		
Siemens	#4, 331-2961	External	25 psi	6 sq. ft., 36" w, 48" h 12 sq. ft., 36" w, 48" h	6 sq. ft., 36" w, 48" h 12 sq. ft., 36" w, 48" h
<b>24 VAC - ELECTRIC</b>			<b>WIDTH or HEIGHT, SQ FT LIMITATIONS PER ACTUATOR</b>		
Belimo	FSLF-24	Internal / External	24 vac	36" w or 48" h, 4 sq. ft.	36" w or 48" h, 4 sq. ft.
Siemens	GND-121	Internal / External	24vac	36" w or 48" h, 4 sq. ft.	36" w or 48" h, 4 sq. ft.
Honeywell	ML-8115	External	24 vac	36" w or 48" h, 6 sq. ft.	n/a
Siemens	GGD-121	External	24 vac	36" w or 48" h, 9 sq. ft.	n/a
Belimo	FSNF-24	External	24 vac	36" w or 48" h, 12 sq. ft.	n/a
Honeywell	MS-8120F	External	24 vac	36" w or 48" h, 12 sq. ft.	36" w or 48" h, 12 sq. ft.
<b>120 VAC - ELECTRIC</b>			<b>WIDTH or HEIGHT, SQ FT LIMITATIONS PER ACTUATOR</b>		
Belimo	FSLF-120	Internal / External	120 vac	36" w or 48" h, 4sq. ft.	36" w or 48" h, 4 sq. ft.
Siemens	GND-221	Internal / External	120 vac	36" w or 48" h, 4 sq. ft.	36" w or 48" h, 4 sq. ft.
Honeywell	ML-4115	External	120 vac	36" w or 48" h, 6 sq. ft.	n/a
Siemens	GGD-221	External	120 vac	36" w or 48" h, 9 sq. ft.	n/a
Belimo	FSNF-120	External	120 vac	36" w or 48" h, 12 sq. ft.	n/a
Honeywell	MS-4120F	External	120 vac	36" w or 48" h, 12 sq. ft.	36" w or 48" h, 12 sq. ft.
<b>230 VAC - ELECTRIC</b>			<b>WIDTH or HEIGHT, SQ FT LIMITATIONS PER ACTUATOR</b>		
Belimo	FSLF-230	Internal / External	230 vac	36" w or 48" h, 4sq. ft.	36" w or 48" h, 4 sq. ft.
Siemens	GND-321	Internal / External	230 vac	36" w or 48" h, 4 sq. ft.	36" w or 48" h, 4 sq. ft.
Honeywell	ML-4115C/D	External	120 vac	36" w or 48" h, 6 sq. ft.	n/a
Siemens	GGD-321	External	230 vac	36" w or 48" h, 9 sq. ft.	n/a
Belimo	FSNF-230	External	230 vac	36" w or 48" h, 12 sq. ft.	n/a
Honeywell	MS-4620F	External	230 vac	36" w or 48" h, 12 sq. ft.	36" w or 48" h, 12 sq. ft.
<b>Accessories</b>					
Belimo	All Models	Auxiliary Switches (SPDT)			
Honeywell	ML-Series	Auxiliary Switches (SPDT)			
Siemens	X26.1U	Auxiliary Switches (SPDT); x=1 for 24Vac, 2 for 120Vac, or 3 for 230Vac			
Siemens	EFL	Electric Thermal Link for GND Series Actuators			
Siemens	147-2000	Pneumatic Positioner			

\*Consult Factory for actuator and damper sizes for velocities up to 4000 fpm and pressures up to 6" w.g.  
Honeywell MS-4120, MS-4620 and MS-8120 Series actuators (250° only) are available for dampers up to 36 x 36 single section, damper models FS-AF, S-AF, FDD-AF, FD-AF only.



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### 350°F / 177°C Rated Actuators Reference Chart

\*Consult Factory for additional actuator and damper sizes on velocities up to 4000 FPM and 6" w.g.  
Other Actuator UL Approved: Honeywell MS-8209, 4209, 4709, 4309, 4809, 8309

Maximum Damper Size and Static Pressure						
OPERATORS		Mounting	Power Supply	F/S-3V and S-3V	F/S-AF and S-AF	F/S-RD, S-RD
Manufacturer	Model			Max. Velocity 2000 FPM Pressure 4.0" w.g.	Max. Velocity 2000 FPM Pressure 4.0" w.g.	Max. Dia.
<b>Pneumatic - 25 psi</b>			<b>WIDTH or HEIGHT, SQ FT LIMITATIONS PER ACTUATOR</b>			
Siemens	#4, 331-2961	Internal / External	25 PSI	36" w or 48" h, 9 sq. ft. - Class 1	36" w or 48" h, 9 sq. ft. - Class 1	24"
				36" w or 48" h, 12 sq. ft. - Class 2	36" w or 48" h, 12 sq. ft. - Class 2	24"
<b>24 VAC - ELECTRIC</b>			<b>WIDTH or HEIGHT, SQ FT LIMITATIONS PER ACTUATOR</b>			
Belimo	FSLF-24	Internal / External	24 vac	36" w or 48" h, 4 sq. ft.	36" w or 48" h, 4 sq. ft.	18"
Siemens	GND-121	Internal / External	24 vac	36" w or 48" h, 4 sq. ft.	36" w or 48" h, 4 sq. ft.	18"
Honeywell	ML-8115	External	24 vac	36" w or 48" h, 6 sq. ft.	n/a	24"
Siemens	GGD-121	External	24 vac	36" w or 48" h, 9 sq. ft.	n/a	24"
Belimo	FSNF-24	External	24 vac	36" w or 48" h, 12 sq. ft.	n/a	24"
Honeywell	ML-8120F*	External	24 vac	36" w or 48" h, 12 sq. ft.	36" w or 48" h, 12 sq. ft.	24"
<b>120 VAC - ELECTRIC</b>			<b>WIDTH or HEIGHT, SQ FT LIMITATIONS PER ACTUATOR</b>			
Belimo	FSLF-120	Internal / External	120 vac	36" w or 48" h, 4 sq. ft.	36" w or 48" h, 4 sq. ft.	18"
Siemens	GND-221	Internal / External	120 vac	36" w or 48" h, 4 sq. ft.	36" w or 48" h, 4 sq. ft.	18"
Honeywell	ML-4115	External	120 vac	36" w or 48" h, 6 sq. ft.	n/a	24"
Siemens	GGD-221	External	120 vac	36" w or 48" h, 9 sq. ft.	n/a	24"
Belimo	FSNF-120	External	120 vac	36" w or 48" h, 12 sq. ft.	n/a	24"
Honeywell	MS-4120F	External	120 vac	36" w or 48" h, 12 sq. ft.	36" w or 48" h, 12 sq. ft.	24"
<b>230 VAC - ELECTRIC</b>			<b>WIDTH or HEIGHT, SQ FT LIMITATIONS PER ACTUATOR</b>			
Belimo	FSLF-230	Internal / External	230 vac	36" w or 48" h, 4 sq. ft.	36" w or 48" h, 4 sq. ft.	18"
Siemens	GND-321	Internal / External	230 vac	36" w or 48" h, 4 sq. ft.	36" w or 48" h, 4 sq. ft.	18"
Honeywell	ML-4115C/D	External	120 vac	36" w or 48" h, 6 sq. ft.	n/a	24"
Siemens	GGD-321	External	230 vac	36" w or 48" h, 9 sq. ft.	n/a	24"
Belimo	FSNF-230	External	230 vac	36" w or 48" h, 12 sq. ft.	n/a	24"
Honeywell	MS-4620F	External	230 vac	36" w or 48" h, 12 sq. ft.	36" w or 48" h, 12 sq. ft.	24"
<b>Accessories</b>						
Belimo	All Models	Auxiliary Switches (SPDT)				
Honeywell	ML-Series	Auxiliary Switches (SPDT)				
Siemens	X26.1U	Auxiliary Switches (SPDT); x=1 for 24Vac, 2 for 120Vac, or 3 for 230Vac				
Siemens	EFL	Electric Thermal Link for GND Series Actuators				
Siemens	147-2000	Pneumatic Positioner				

\*Consult Factory for actuator and damper sizes for velocities up to 4000 fpm and pressures up to 6" w.g.  
Honeywell MS-4120, MS-4620 and MS-8120 Series actuators (250° only) are available for dampers up to 36 x 36 single section, damper models FS-AF, S-AF, FDD-AF, FD-AF only.

Due to continuing research, MAT reserves the right to change specifications without notice.

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