

# FILTERS/DAMPERS/ACTUATORS

## FILTERS

All supply fans utilize Research Products 2 in. "EZ KLEEN" metal mesh filters. The following chart shows the filter size and quantity on a per intake basis:

### FILTER QUANTITY CHART

Intake	16" x 20"	20" x 25"
Size 1 Standard Sloped	2	
Size 2 Standard Sloped		2
Size 1 Modular Sloped	3	
Size 2 Modular Sloped		3
Size 3 Modular Sloped	6	
Size 4 Modular Sloped	10	
Size 5 Modular Sloped		8
Size 1 V-Bank/Evap		3
Size 2 V-Bank/Evap	8	
Size 3 V-Bank/Evap		8
Size 4 V-Bank/Evap	15	
Size 5 V-Bank/Evap		12
Size 1 INLINE	1	
Size 2 INLINE		1
Size 2 INLINE		2

## DAMPERS

Three style dampers are available in the supply fans. RUSKIN S3G gravity and motorized dampers are available for untempered fans. For more robust heater applications, the RUSKIN CD36 damper is available as an option. On indirect fired units, the actuator is mounted in the air stream in a "Jack shaft" arrangement. On direct fired units, the actuator is mounted in the control cabinet and is mounted on an "End shaft" arrangement on the damper. The Belimo actuators contain an end switch that ensures that the damper is open before burner operation. All The damper sizes and actuator part numbers are summarized below:

### DAMPER AND ACTUATOR CHART

Unit	Damper Size	Damper Style	Actuator
Size 1 Untempered	16" wide x 18" tall	S3G	Honeywell H2000
Size 2 Untempered	22" wide x 24" tall	S3G	Honeywell H2000
Size 3 Untempered	30" wide x 30" tall	S3G	Honeywell H2000
Size 4 Untempered	34" wide x 36" tall	S3G	Honeywell H2000
Size 5 Untempered	42" wide x 43" tall	S3G	Honeywell H2000
Size 1 Tempered	16" wide x 18" tall	CD36	Belimo LF120-S
Size 2 Tempered	22" wide x 24" tall	CD36	Belimo LF120-S
Size 3 Tempered	30" wide x 30" tall	CD36	Belimo NF120-S
Size 4 Tempered	34" wide x 36" tall	CD36	Belimo NF120-S
Size 5 Tempered	42" wide x 43" tall	CD36	Belimo AF120-S