

9300 Series

Actuators

For typical HVAC applications, the following table has been developed to simplify actuator selection. The maximum allowable square feet for each Product Model is shown under each actuator. Two or more actuators are required when the allowable area is exceeded.

ACTUATOR MODELS								
ELECTRIC							PNEUMATIC	
	Barber-Colman		Multi-Products 2412	Belimo			Barber-Colman	
	MA-418	MA-405		AF	NF	Modulating	MK-3111	MK-7121
5100	36	10	2	36	10	36	10	36
5100-08	28	7	2	28	7	28	8	24
5800 & 5900	24	6	2	24	6	24	6	20
5700	20	5	N.A.	20	5	20	5	15
4405 & 4605	36	9	2	36	9	36	10	36
4405-08 & 4605-08	28	7	2	28	7	28	8	24
2000,2300,2400	30	7	2	30	7	30	8	24
2745 & 2855	36	10	2	36	10	36	10	36
2745-08 & 2855-08	28	7	2	28	7	28	8	24
	Square Footage							

Notes:

1. Factory mounted actuators include applicable hardware kits. External actuators factory mounted require sleeve.
2. For actuators not factory mounted, specify internal or external mounting kits.
3. 8" minimum "B" dimension for Multi-Products 2412 internally mounted electric actuators; all other electric actuators require 9" "B" dimension.
4. Minimum dimensions for internally mounted pneumatic actuators are 18" wide x 18" high.
5. Pneumatic actuator sizing based on two position applications. Consult factory for proportional control.
6. Other actuators available, consult factory.

9300 Series Accessories-Pneumatic Actuators

Number

BARBER COLMAN

9370

Barber Colman, MK-3111 pneumatic actuator for Louver or Damper Torque rated at 21 lb.-ins; 5-10 psi operating range; 3 1/2" stroke, spring return. (Internal must be factory mounted).

9375

9370 internal actuator factory mounted; no jackshafting.

PNEUMATIC ACTUATORS MUST BE MOUNTED EXTERNALLY ON DAMPERS REQUIRING JACKSHAFTING.

9380 Barber Colman, MK-7121 pneumatic actuator for Louver or Dampers. Torque rated at 67.5 lbs. -ins.; 8-13 psi operating range; 4 1/2" stroke, spring return. (Internal must be factory mounted.)

9380 Internal actuator factory mounted; no jackshafting.

9385 PNEUMATIC ACTUATORS MUST BE MOUNTED EXTERNALLY ON DAMPERS REQUIRING JACKSHAFTING.

Note: prices do not include hardware kits for actuators not mounted. See last page for applicable hardware.

9300 Series Accessories-Electric Actuators

Number BARBER COLMAN-Two Position

9310 Barber Colman, MA-418, 120V. A.C. for Louver or Damper. Torque rated at 60 lb.-ins. Oil immersed geartrain. 180 f stroke.

9315 9310 actuator factory mounted.

9316 Barber Colman, MA-318, 24V. A.C. Similar to 9310 except 24V. operation.

9317 9316 actuator factory mounted.

9318 Barber Colman MA-418, 120V. A.C. Explosion proof. Similar to 9310, but requires special mounting. Minimum damper "B" dimension, 16" (Non-Stock item).

9319 9318 actuator factory mounted.

9350 Barber Colman MA-418-500. Same as 9310, but with End Switch.

9355 9350 actuator factory mounted.

9320 Barber Colman MA-405, 120 V. A.C. for Louver and Damper. Torque rated at 16 lb.-in. Oil immersed geartrain. 180 f stroke.

9325 9320 actuator factory mounted.

9326 Barber Colman MA-305, 24V. A.C. Similar to 9320 except 24V. operation.

9327 9326 actuator factory mounted.

9328 Barber Colman MA-405, 120 V. A.C. Explosion proof. Similar to 9320, but requires special mounting. Minimum damper "B" dimension, 16" (Non-Stock item).

9329 9328 actuator factory mounted.

9360 Barber Colman MA-405-500. Same as 9320, but with End Switch.

9365 9360 actuator factory mounted.

9338 Barber Colman MA-305-500, 24V. A.C. Same as 9326, but with end switch.

9339 9338 actuator factory mounted.

Number Multi-Products-Two Position

9340 Multi-Products 2412, 120 V. A.C. for Louver or Damper up to 2 square feet, for one or two blade units.

9345	9340 actuator factory mounted.
9346	Multi-Products 2412, 24V. A.C. Similar to 9340 except for 24V. operation.
9347	9346 actuator factory mounted.
Number	Belimo-Two-Position
9348	Belimo AF 120us. 120V. A.C. for Louver or Damper. Torque rated at 133 lb.-in. 95 <i>f</i> stroke.
9349	9348 actuator factory mounted internally.
9351	Belimo AF24us. 24V. A.C. Similar to 9348 except 24V operation.
9352	9351 actuator factory mounted.
9353	Belimo NF120us. 120V. A.C. for Louver or Damper. Torque rated at 60 lb.-in. 95 <i>f</i> stroke.
9354	9353 actuator factory mounted internally.
9356	Belimo NF24us. 24V. A.C. Similar to 9353 except 24V. operation.
9357	9356 actuator factory mounted.
	BELIMO - Modulating
9358	Belimo AF24-SRus 24V. A.C. for Louver or Damper. Torque rated at 133 lb-in. 95 <i>f</i> stroke. Provides proportional damper control in response to a 2 to 10VDC, a to 10V phasecut or, with the addition of a 500 ohm resistor, a 4 to 20mA control input from electronic controller or positioner. (Verify compatibility with controls prior to ordering, Non-Stock item).
9359	9358 actuator factory mounted internally.

NOTE: 1. PRICES DO NOT INCLUDE HARDWARE KITS FOR ACTUATORS NOT MOUNTED. SEE BELOW FOR APPLICABLE HARDWARE. BELIMO ACTUATORS FOR DIRECT COUPLING EXTERNALLY, TO CONTROL RODS, DO NOT REQUIRE MOUNTING KITS.

9300 ACCESSORIES--ACTUATOR MOUNTING KITS

Include crank arms, brackets and linkage for mounting the following actuators:

Note: See 9300 Accessories for Actuators.

Number	BARBER COLMAN ACTUATORS (PNEUMATIC)
9023	External Duct Mount Kit for MK-3111.
9024	External Duct Mount Kit for MK-7121.
	BARBER COLMAN ACTUATORS (ELECTRIC)
9025	External Barber Colman, MA-400 Series, with extended damper control rod. Also suitable for MA-300 Series.
9026	Internal Barber Colman, MA400 Series, directly to damper control blade. Also suitable for MA-300 Series.
9027	Internal Barber Colman, MA-400 Series, for Adjust-O-Vent™ & Adjustable Louvers. Also suitable for MA-300 Series.

Number Multi-Products Actuators

- 9037 External Multi-Products 2412, with extended damper control rod.
9038 Internal Multi-Products 2412, directly to damper control blade.
9039 Internal Multi-Products 2412, to Adjust-O-Vent™ or Adjustable Louvers.

BELIMO ACTUATORS

- 9034 Internal Belimo, linked directly to damper control blade.
9035 Internal Belimo, to Adjust-O-Vent™ or Adjustable Louvers.

TRANSFORMER

- 9010 Accessory Transformer AE249 with 460 , 440, 240, 208 volt primaries for use with 120V. A.C. actuators. (one per actuator required).

SHIPPING INFORMATION

ALL VENT PRODUCTS equipment described in this price sheet ships F.O.B. VENT PRODUCTS, Chicago, Illinois. Labor for field assembly is not included in these prices. Refer to Form 1100 for conditions of sale.

Custom Dampers & Louvers



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