

## Part Numbering System Modulating Spring and Non-Spring Return Zone Valves

△ 1 V M X X X X X X 3 A 00 X △ 2

**Body Type**  
M = Modulating

**Configuration**  
2 = 2-Way  
3 = 3-Way

**Valve Size**  
2 = 1/2"  
3 = 3/4"  
4 = 1"  
5 = 1-1/4"

**Options**  
**Non-Spring Return Actuators**  
0 = No Options  
T = Three-Wire Signal Time-Out  
**Spring Return Actuators**  
T = Time-Out △ 3

**Electrical Leads**  
00 = No leads

**Voltage**  
A = 24 Vac Only

**Temperature Ratings**  
3 = General Temperature

Connection Type	Availability
1 = Sweat	1/2", 3/4", 1", 1-1/4"
2 = Threaded NPT	1/2", 3/4", 1"
3 = Threaded Rp (Metric)	1/2", 3/4", 1"
5 = SAE Flare	1/2"

**Action**  
1 = Spring Return Normally closed  
2 = Spring Return Normally opened  
3 = Non-Spring Return

CV Size			
		Size	Connection Type
1 =	1.0	1/2"	1, 2, 3, 5
		3/4"	1, 2, 3
2 =	2.0	1/2"	1, 2, 3, 5
		3/4"	1, 2, 3
		1"	1
3 =	4.0	1/2"	1, 2, 3, 5
		3/4"	1, 2, 3
		1"	1
7 =	7.5	3/4"	1, 2, 3
		1"	1, 2, 3
	8.0	1-1/4"	1

**Actuator Type**  
T = Three-wire Floating  
P = Proportional, 0-10 Vdc, 0-5 Vdc,  
5-10 Vdc or 4-20 mA, Jumper Selectable

- △ 1 When ordering valve body only: use the first six positions to configure the valve.
- △ 2 When ordering actuator only: use the last seven positions to configure the actuator. Prefex with the letter "A."
- △ 3 This feature is standard for spring return actuators. It must be included in the part number.
- △ 4 Should not be used with thermostats/ controllers unless they have a timeout feature.

Available Actuators				
Part Number	Action	Position	Actuator Type	Option
AT13A00T	Spring Return	N.C.	Three Wire Floating	With Time-Out
AT23A00T	Spring Return	N.O.	Three Wire Floating	With Time-Out
AT33A000	Non-Spring Return		Three Wire Floating	None
AT33A00T	Non-Spring Return		Three Wire Floating	With Time-Out
AP13A000	Spring Return	N.C.	Proportional	None
AP23A000	Spring Return	N.O.	Proportional	None
AP33A000	Non-Spring Return		Proportional	None

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