VALVE MODEL NUMBER DESCRIPTION

Every MAXON gas electro-mechanical valve can be accurately identified by the model number shown on the valve nameplate. The example below shows a typical gas electro-mechanical valve model number, along with the available choices for each item represented in the model number.

Configured item number						Valve body					Actuator					
Valve size	Flow capacity	Valve type	Normal position	Area classification		Body connection	Body seals & bumper material	Body material	Internal trim package		Solenoid OR circuit board voltage	Motor voltage OR handle side plate	Motor timing (automatic valves only)	Switch options	Enclosure rating	Instruction language
300	C	MA	1	1	-	A	A	1	1	-	B	B	2	0	A	0

Valve size
075 - 3/4" (DN20)
100 - 1" (DN25)
125 - 1-1/4" (DN32)
150 - 1-1/2" (DN40)
200 - 2" (DN50)
250 - 2-1/2" (DN65)
300 - 3" (DN80)
400 - 4" (DN100)
600 - 6" (DN150)

Flow capacity
S - Standard
C - CP body construction
H - High capacity

Valve reset type
MA - MAXON automatic (motorized) valve
MM - MAXON manual valve

Normal position
1 - Normally closed shut-off valve
2 - Normally open vent valve

Area classification
1 - General purpose
2 - Non-incendive, Class I, II and III Division 2
4 - Valve body only (400 & 600 high capacity valves only)

Body connection
A - ANSI (NPT) threaded
B - ANSI flanged (PN20)
C - ISO 7/1 threaded
D - DIN PN16 flanged
E - Socket welded nipple
F - Socket welded nipple w/Class 150 flange (ISO 7005 PN20)
H - EN1092-1 PN16 flanged (ISO 7005-1 PN16)

Body seals & bumper material
A - Buna o-rings/Buna bumper
B - Viton o-rings/Buna bumper
C - Viton o-rings/Viton bumper [1]
D - Ethylene Propylene o-rings/ Ethylene Propylene bumper [1]
E - Omniflex o-rings/Buna bumper
F - Omniflex o-rings/Viton bumper [1]

Body material
1 - Cast iron
2 - Carbon steel
5 - Stainless steel
6 - Low temp carbon steel

Internal trim package
1 - Trim package 1
2 - Trim package 2
4 - Trim package 2, oxy clean [1]

Solenoid OR circuit board voltage
A - 115VAC 50 Hz
B - 115VAC 60 Hz
C - 230VAC 50 Hz
D - 230VAC 60 Hz
E - 208VAC 50 Hz
F - 24VDC
G - 120VDC

Motor voltage
A - 115VAC 50 Hz
B - 115VAC 60 Hz
C - 230VAC 50 Hz
D - 230VAC 60 Hz
E - 24VDC

OR

Handle side plate
A - Standard handle
B - Tandem main
C - Tandem blocking
D - Tandem overhead
E - Wheel and chain

Motor timing
1 - 2.5 second
2 - 6 second
3 - 12 second
* - N/A with manual valves

Switch options

Automatic valves
0 - VOS1/none
1 - VOS1/VCS1
2 - VOS2/VCS2
3 - VOS2/VCS1
4 - VOS1HC/VCS1HC

Manual valves
0 - None
1 - VOS1/VCS1
2 - VOS2/VCS2
3 - VOS2/VCS1

Enclosure rating
A - NEMA 4
B - NEMA 4X

Instruction language
0 - English

[1] 0°F minimum ambient temperature limit

VALVE MODEL CROSS REFERENCE

MAXON valve model numbers have changed to intelligent coded model numbers for easy identification and specification. Valves manufactured prior to October 1, 2008 will contain an older model number system which can be easily cross referenced with the chart below.

Normally-closed (shut-off) valves General purpose, NEMA 4 or 4X	
Model number (prior to October 1, 2008)	New model designation
808 808 CP 5000 5000 CP 7000	SMM11 CMM11 SMA11 CMA11 HMA11
Normally-open (vent) valves General purpose, NEMA 4 or 4X	
Model number (prior to October 1, 2008)	New model designation
STO-M STO-A STO-A-CP	SMM21 SMA21 CMA21
Normally-closed (shut-off) valves Hazardous area classification	
Model number (prior to October 1, 2008)	New model designation
808 NI 808 NI CP 5000 NI 5000 NI CP	SMM12 CMM12 SMA12 CMA12
Normally-open (vent) valves Hazardous area classification	
Model number (prior to October 1, 2008)	New model designation
STO-M-NI STO-M-NI-CP STO-A-NI STO-A-NI-CP	SMM22 CMM22 SMA22 CMA22