

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

Motor timing

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

OR Handle side plate

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

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] -18°C minimum ambient temperature limit