

ASCO™ Solenoid Valves

Direct Operated, for Vacuum Service, 1/4" Tapped

**Series
262
2/2 NC**

Features and Benefits

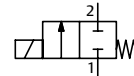
- Special materials and handling procedures are used in the high vacuum valves to avoid molecular contamination
- The high vacuum valves are mass spectrometer tested
- Valves do not require a minimum operating pressure and are suitable for low, high vacuum
- Valve operation is not affected by mounting position
- Compliance with UL and CSA standards
- The solenoid valves satisfy all relevant EU directives



General

Differential pressure See «SPECIFICATIONS» [1 bar =100 kPa]
Maximum viscosity 65 cSt (mm²/s)
Response time 5 - 25 ms

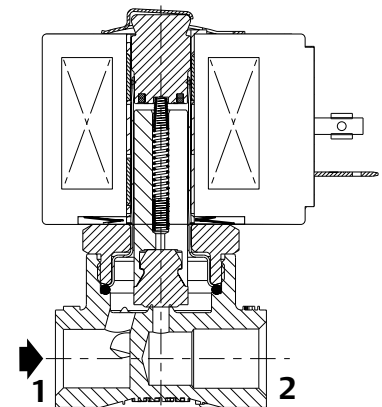
Fluids (*)	Temperature Range (TS)	Seal Materials (*)
air, inert gas	-25°C to +80°C	NBR (nitrile)
	-15°C to +80°C	FPM (fluoroelastomer)



Materials of Components in Contact with Fluid

(*) Ensure that compatibility of materials in contact with fluids is verified.

Body Brass
Shading coil Copper
Core tube Stainless steel, AISI 305
Core and plugnut Stainless steel, AISI 430F
Springs Stainless steel, AISI 302
Seal NBR or FPM
Disc NBR or FPM



NC function

Electrical Characteristics

Coil insulation class F (AC) or H (DC)
Connector Spade plug (cable Ø 6-10 mm)
Connector specification ISO 4400 / EN 175301-803, form A
Electrical safety IEC 335
Electrical enclosure protection Moulded IP65 (EN 60529)
Standard voltages DC (=) : 24V - 48V
 (Other voltages and 60 Hz on request) AC (~) : 24V - 48V - 115V - 230V/50 Hz

Operator Ambient Temperature Range (TS) (°C)	Power Ratings				Replacement Coil (1)	
	Inrush ~ (VA)	Holding ~ (VA) (W)		Hot/cold = (W)	~	=
-25 to +55	30	16	8.1	7.7/ 10.6	230 V/50 Hz	24 V DC
					238213-059	238513-006

(1) All 238 basic numbers are UL & CSA approved and marked with the UR (recognised component) & CSA logos.

Options

- Seals and disc (*) (2) (fluid temperature range) FPM (fluoroelastomer):
 -15°C to +100°C (coil class F)
 -15°C to +120°C (coil class H)
- Connector with visual indication and peak voltage suppression or with cable length of 2 m
- Explosionproof enclosures for use in zones 1/21-2/22, categories 2-3 to ATEX Directive 2014/34/EU (See page 2)

(2) The minimum ambient temperature of the solenoid valve is determined by the limitations of minimum temperature indicated.

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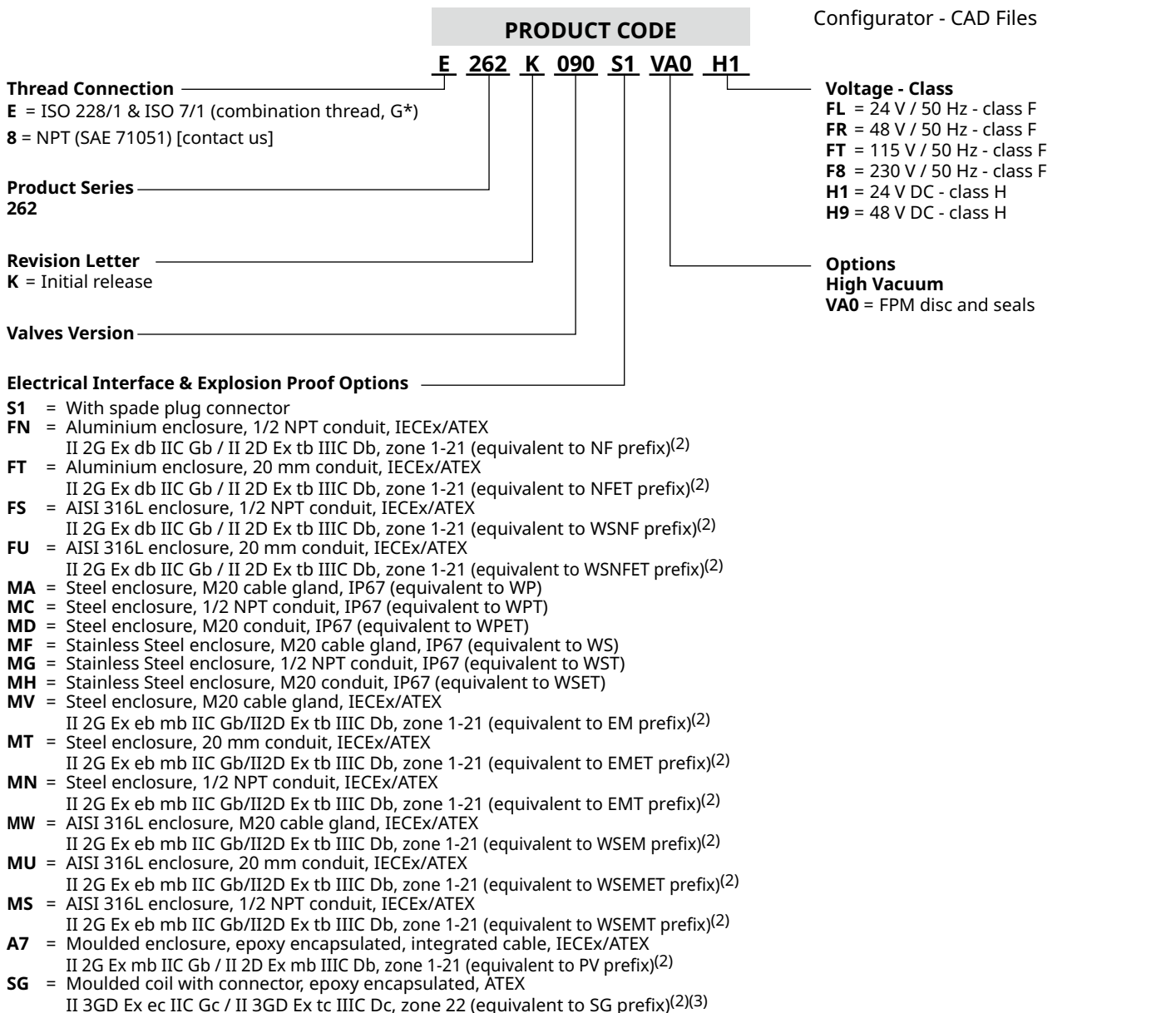
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Specifications

										Product Code											
Pipe Size	Orifice Size (mm)	Flow Coefficient Kv (m ³ /h)(l/min)		Minimum Absolute Vacuum Pressure (PS)				Power Coil (W)		Thread Type	Dimensions / Type (1)	Voltage Code									
				Min.	Max. (PS)		Air (*)					mbar (Torr)	~	=	Brass	24 V/50 Hz	48 V/50 Hz	115 V/50 Hz	230 V/50 Hz	24 V/DC	48 V/DC
Without manual operator																					
NC - Normally closed, high vacuum range to 10⁻⁶ Torr, FPM seals																					
1/4"	7.1	0.76	12.7	0	1.33.10 ⁻⁶ (10 ⁻⁶)				8.1	10.6	G*	01	E262K090S1VA0			FL	FR	FT	F8	H1	H9

(*) Ensure that compatibility of materials in contact with fluids is verified.

(1) For dimensions, see drawing(s) for each construction type on the following page(s).



⁽²⁾ Search prefix in Emerson.com/ASCO to get detailed technical information.

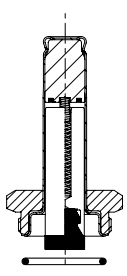
Please note that the valve pressure ratings with some of the ATEX enclosures will be reduced. To obtain the correct pressure rating please check the landing pages of the "2-Way Solenoid Valve DIN Configurator".

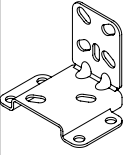
⁽³⁾ Coils class F only.

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		Spare Parts Kits No. (★)					
		AC (~)			DC (=)		
		NBR	FPM	NBR	FPM		
	E262K090S1N00	M200001	N00	-	M200005	N00	-
	E262K090S1VA0	M200001	-	VA0	M200005	-	VA0

		Accessories Code
	Mounting bracket Steel version (AISI 1010 / 1.1121)	M200094A00
	Mounting bracket Stainless steel version (AISI 304 / 1.4301)	M200095A00

Installation

- The solenoid valves can be mounted in any position without affecting operation
- Solenoid valves have 2 mounting holes in body
- Thread connection "E" have standard thread according to ISO 228/1 and ISO 7/1
- Thread connection "8" have standard thread = NPT (SAE 71051)
- Installation/maintenance instructions are included with each valve

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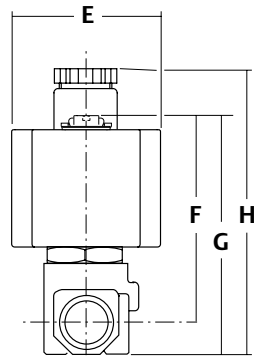
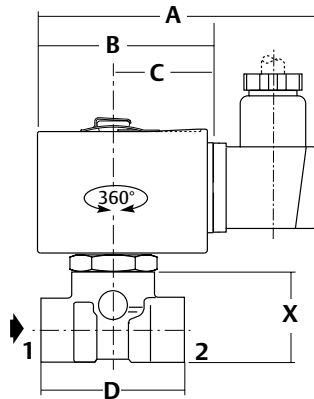
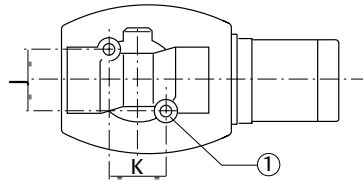
Dimensions: mm, Weight: kg 

Configurator - CAD Files



TYPE 01
Electrical interface "S1"
Epoxy moulded
IEC 335 / ISO 4400
IP65

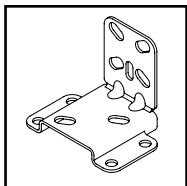
1/4", power coil 8.1 W / 10.6 W



① 2 mounting holes:
M5 dia., depth 7.5 mm (1/4")

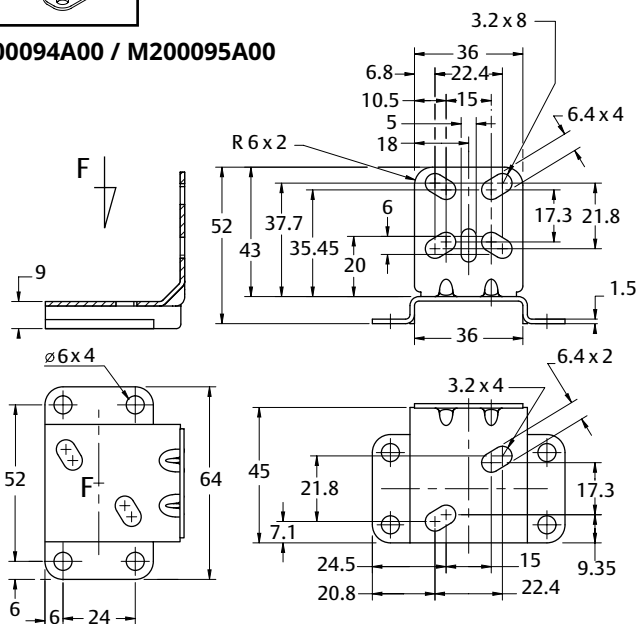
Type	Pipe Size	A	B	C	D	E	F	G	H	X	Weight (1)
01	1/4"	88	51	30	40	43	65	75	92	30	0.42

(1) Incl. coil(s) and connector(s).



Mounting bracket
Steel or stainless steel

M200094A00 / M200095A00



01470GB-2024/R01
Availability, design and specifications are subject to change without notice.
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