

## FEATURES

- 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
- The solenoid valves satisfy all relevant EU directives

## GENERAL

**Differential pressure** See «SPECIFICATIONS» [1 bar =100 kPa]  
**Maximum viscosity** 65 cSt (mm<sup>2</sup>/s)  
**Response time** 5 - 25 ms

fluids (*)	temperature range (TS)	seal materials (*)
air, inert gas	-25°C to +80°C	NBR (nitrile) FPM (fluoroelastomer)



## GENERAL

### MATERIALS IN CONTACT WITH FLUID

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

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

## ELECTRICAL CHARACTERISTICS

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

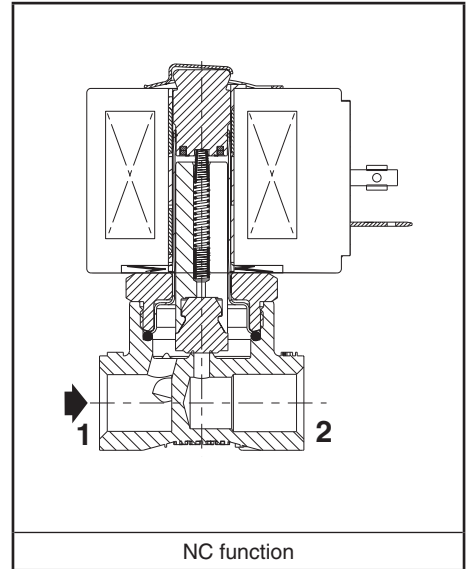
operator ambient temperature range (TS) (°C)	power ratings			replacement coil	
	inrush ~ (VA)	holding ~ (VA) (W)	hot/cold = (W)	~ 230 V/50 Hz	= 24 V DC
-25 to +55	30	16 (8,1)	7,7/ 10,6	238213-059	238513-006

## OPTIONS

<b>Seals and disc (*)</b> <sup>(1)</sup> (fluid temperature range)	FPM (fluoroelastomer): -15°C to +100°C (coil class F) -15°C to +120°C (coil class H)
Plug with visual indication and peak voltage suppression or with cable length of 2 m (see Solenoids, Coils & Accessories section)	

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<sup>(1)</sup> The minimum ambient temperature of the solenoid valve is determined by the limitations of minimum temperature indicated.



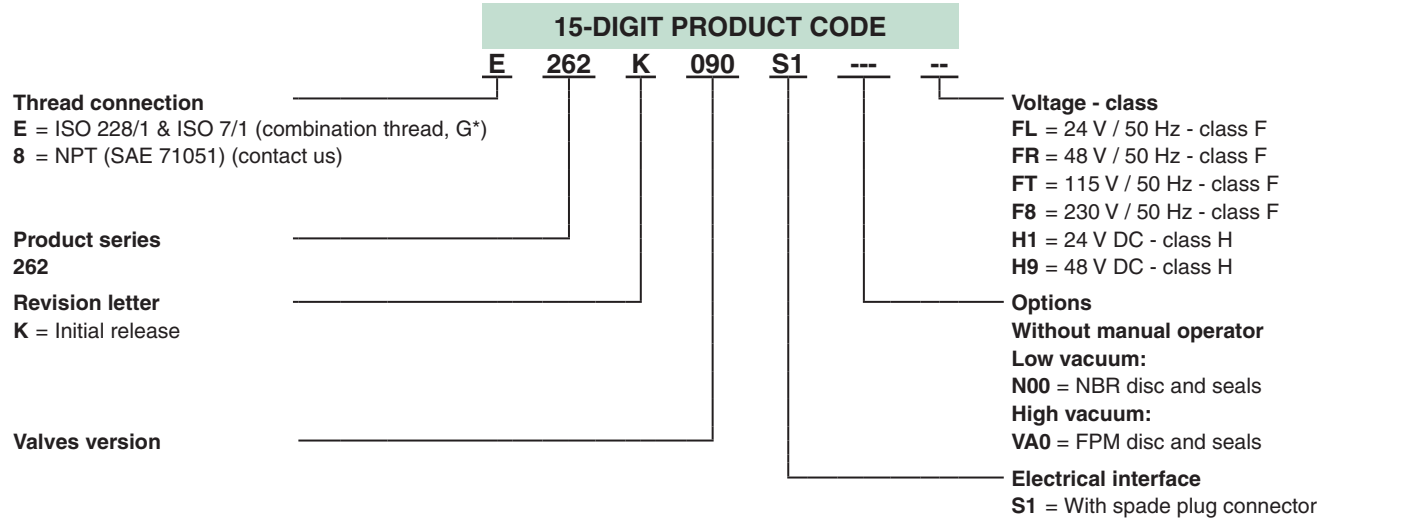
NC function

**SPECIFICATIONS**

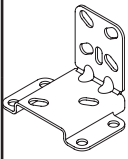
										15-DIGIT PRODUCT CODE					
pipe size	orifice size (mm)	flow coefficient Kv (m³/h)/(l/min)	minimum absolute vacuum pressure			power coil (W)	thread type	dimensions / type (1)	brass						
			(PS)						voltage code						
			max. (PS)						24 V/50 Hz	48 V/50 Hz	115 V/50 Hz	230 V/50 Hz	24 V/DC	48 V/DC	
			min.	air (*)		~	=								
			mbar (Torr)												
WITHOUT MANUAL OPERATOR															
<b>NC - Normally closed, low vacuum range to 25 Torr, NBR seals</b>															
1/4	7,1	0,76	12,7	0	33,3 (25)	8,1	10,6	G*	01	<b>E262K090S1N00</b>					
										FL	FR	FT	F8	H1	H9
<b>NC - Normally closed, high vacuum range to 10<sup>-6</sup> Torr, FPM seals</b>															
1/4	7,1	0,76	12,7	0	1,33.10 <sup>-6</sup> (10 <sup>-6</sup> )	8,1	10,6	G*	01	<b>E262K090S1VA0</b>					

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

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



		SPARE PARTS KITS CODE (*)					
		AC (~)			DC (=)		
		NBR	FPM	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

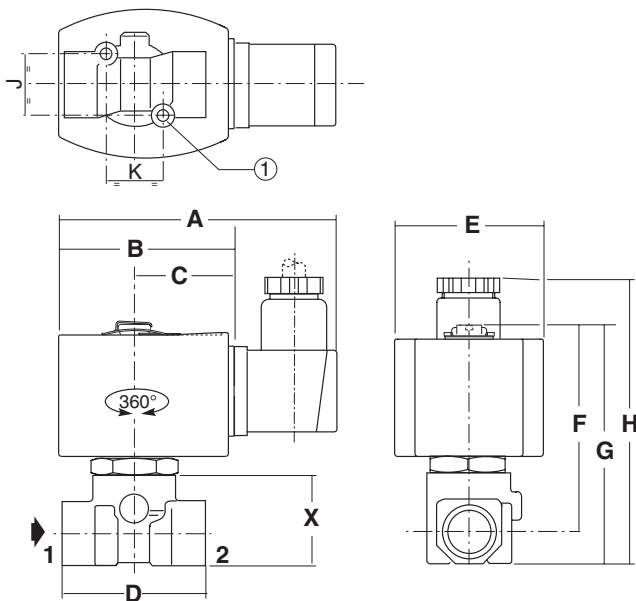
### DIMENSIONS (mm), WEIGHT (kg)



#### TYPE 01

Electrical interface “S1”  
 Epoxy moulded  
 IEC 335 / ISO 4400  
 IP65

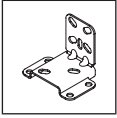
1/4, power coil 8,1 W / 10,6 W



type	pipe size	A	B	C	D	E	F	G	H	X	weight <sup>(1)</sup>
01	1/4	88	51	30	40	43	65	75	92	30	0,42

① 2 mounting holes:  
 M5 dia., depth 7,5 mm (1/4)

<sup>(1)</sup> Incl. coil(s) and connector(s).



**Mounting bracket**  
Steel or stainless steel

M200094A00 / M200095A00

