

DIRECT ACTING SOLENOID VALVE CEME 2/2 EV66 NF

MAIN CHARACTERISTICS

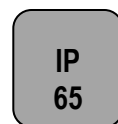
The EV66 is a direct acting 2/2 solenoid valve intended for the shut-off of the networks of common fluids such as water, air, neutral gases, vapor and gas oil. Normally closed operating. The standard construction is with brass body and stainless steel internal parts. The seat is in FPM. This valve is operating with no minimum differential pressure.

AVAILABLE MODELS

EV66 : G 1/8" to G 1/4"

Voltages : See on page 3.

BSP Screwed end connections.



LIMITS OF USE

Electric protection	IP 65	
Max allowed fluid pressure : PS	1/8"	1/4"
Current AC Coil:	9 (bar)	6 (bar)
Current DC Coil:	5 (bar)	4 (bar)
Max allowed fluids temperature : TS	-10°C / +150 °C	
Room temperature : *	-10°C / +80°C	

* In direct current, over 40°C, the maximum differential maximum Pressure can be reduced.

REGULATIONS AND STANDARD OF CONSTRUCTION

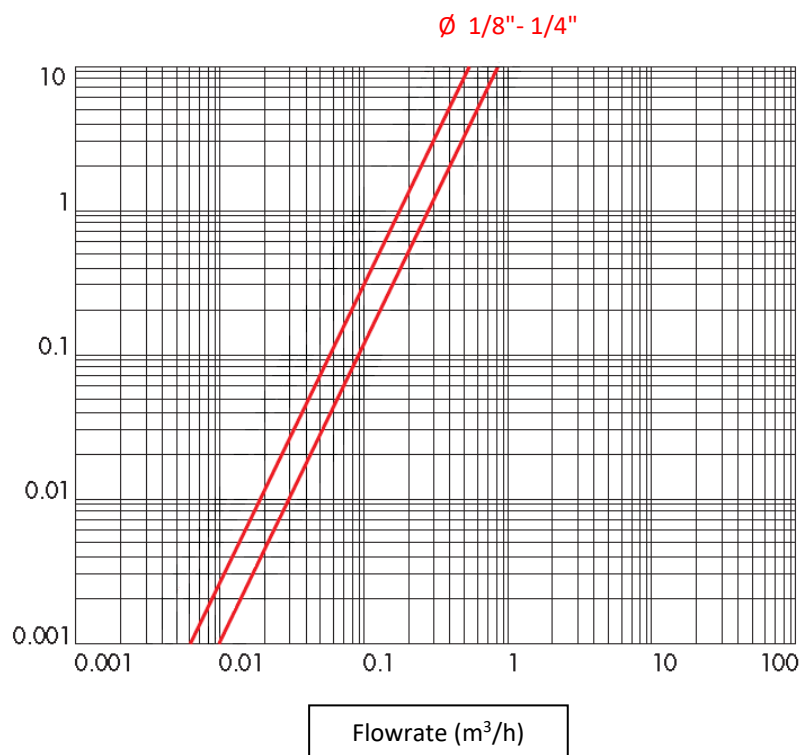
Item	Standard	Item	Standard
Pressure Equipment Directive 2014/68	1/8" to 1/4" : A4 § 3	Brass materials	EN 1503-4
Low voltage directive CE 2014/35		BSP thread	ISO 228
Connector	DIN 43650		

Information given as an indication only, and subject to possible modifications

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		Rev.	02
		Date	05/2023

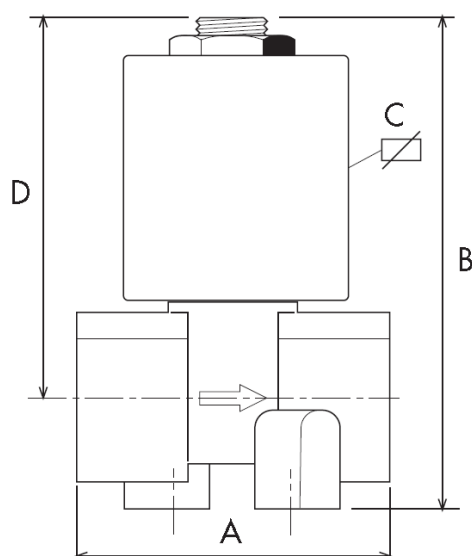
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PRESSURE LOSS DIAGRAM (BAR)



DIMENSIONS (mm) AND WEIGHT (kg)

DN	A	B	C	D	Weight (Kg)
G 1/8''	35	63	47	50	0,22
G 1/4''	35	63	47	50	0,22



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HYDRAULICS CHARACTERISTICS

DN	Port (mm)	Kv (m ³ /h)	Max Diff. AC. Pressure (bar)	Max Diff. DC. Pressure (bar)	Coil	Operating time (s)
G 1/8"	3	0,17	9	5	B6	20-60 ms
G 1/4"	4	0,25	6	4	B6	20-60 ms

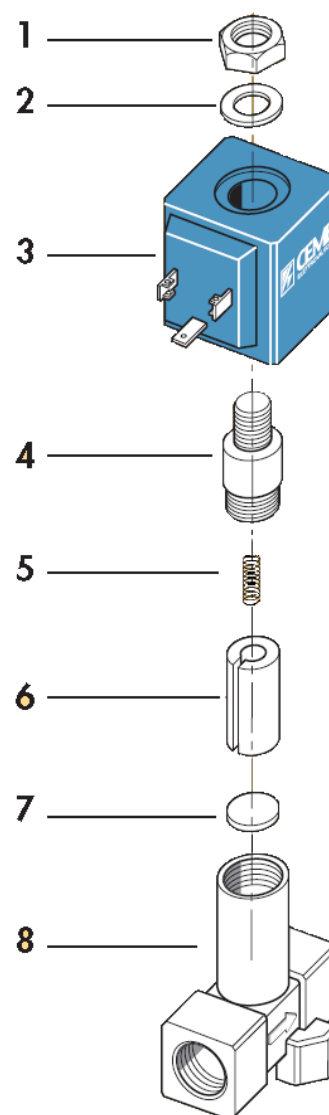
ELECTRIC CHARACTERISTICS

Coil classified H. Duty 100%. Connecting by connector T30.

Coil	Current	Available voltages (V)						Frequency		Power consumption	
		12	24	48	110	230	400	50 Hz	60 Hz	Holding	Rush
B 6	AC Coil	12	24	48	110	230	400	50 Hz	60 Hz	17 VA	24 VA
	DC Coil	12	24	48	110					16W	

CONSTRUCTION

n°	Item	Material
1	Lock nut	Zincated steel
2	Washer	Zincated steel
3	Coil	PBT + 30% G.F
4	Tube guide	Stainless steel AISI 430
5	Spring	Stainless steel AISI 430
6	Plunger	Stainless steel AISI 303
7	Seat	FPM
8	Body	Brass CW 617 N



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MOUNTING

Installation in every position except horizontal pipe with coil towards the bottom.

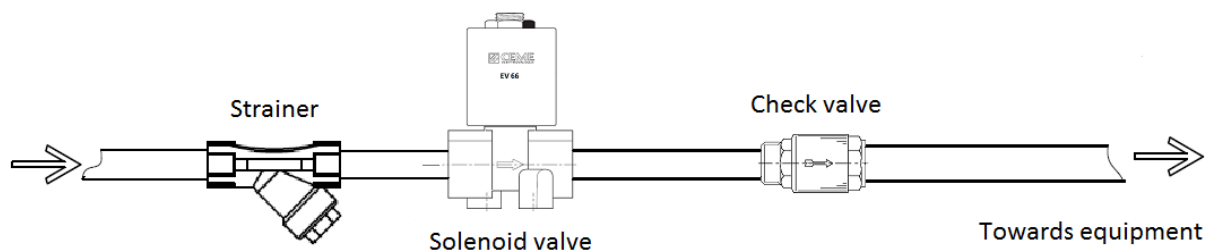
Respect the sense of flow indicated by the arrow marked on the body.

For on use on liquids, the installation of a strainer for upstream protection is recommended.

Check-valve :

A solenoid valve cannot be used as a check-valve. A de-energized normally closed solenoid valve can be crossed by a downstream counterflow. If a both side tightness is required, please add a check-valve downstream of the solenoid valve.

Example



Scaling :

A solenoid valve used on hard water and kept energized during long period can face scaling problem that can block the operation. For this kind of application, please consult.



Conform also to the assembly instructions supplied with the solenoid valve.

SPARE PARTS

B6 Coil type (Item 3)					Connector
Voltage	230V 50Hz	24V 50Hz	12V cc	24V cc	T30
Code	980310	980311	980315	980316	980696

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