



General Purpose Valves  
Catalog No. CB-03-1SA

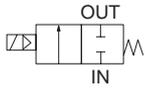
Pilot kick 2-port solenoid valve for steam

# SPK-FP2 Series

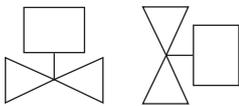
- NC
- Working fluid: Steam
- Port size: Rc1/2 to Rc1



## JIS symbol



## Mounting orientation



## Common specifications

Item	SPK11
Working fluid	Steam
Working pressure differential MPa	0 to 1.0
Max. working pressure MPa	1
Proof pressure (water pressure) MPa	2
Fluid temperature °C	5 to 180
Ambient temperature °C	-10 to 60
Thermal class	Class 180 (H)
Atmosphere	Place free of corrosive gas and explosive gas
Valve structure	Pilot kick poppet, piston drive
Valve seat leakage (*1) cm <sup>3</sup> /min (ANR)	400 or less (air)
Mounting orientation	Limited to the range of vertical orientation with the coil on top to horizontal orientation (*2).

\*1: Value at pneumatic pressure 0.05 to 1.0MPa. When used at a pressure less than 0.05 MPa, the sealant may be unstable. Contact CKD in this case.

\*2: Limited to vertical orientation when used at a pressure less than 0.05 MPa.

## Individual specifications

Item	Connection Bore size	Orifice size (mm)	Rated voltage	Apparent power (VA)				Power consumption (W) AC 50/60Hz	Weight (kg)
				When holding		When starting			
				50Hz	60Hz	50Hz	60Hz		
SPK11-15A	Rc1/2	16	100 VAC 110 VAC	14	12	49	43	6.5/5.6	1.1
SPK11-20A	Rc3/4	23	200 VAC						
SPK11-25A	Rc1	28	220 VAC						

\*1: The model numbers above show the basic port size (Rc). Refer to How to order for other combinations.

\*2: The voltage fluctuation range must be within ±10% of the rated voltage. If the pressure difference is more than 0.7MPa, it should be within -5% to +10%.

## How to order

**SPK11 - 15 A - N 4A S FP2 - AC100V**

Model No.

**B** Thread

**A** Port size

**C** Body/sealant combination

**D** Coil housing

**E** Surge suppressor

**F** Rated voltage

Code	Description
<b>A Port size</b>	
15	1/2
20	3/4
25	1

<b>B Thread</b>	
A	Rc

<b>C Body/sealant combination</b>		
	Body	Seal
N	Stainless steel	PTFE

<b>D Coil housing</b>	
4A	Lead wire
4M	Terminal box
4N	Terminal box with lamp

<b>E Surge suppressor</b>	
Blank	Without surge suppressor
S *1	Surge suppressor included

<b>F Rated voltage</b>	
AC100V	100 VAC 50/60 Hz, 110 VAC 60 Hz
AC200V	200 VAC 50/60 Hz and 220 VAC 60 Hz

### ⚠ Precautions for model No. selection

\*1: "S" is attached only when the coil housing [D] is "4A".

[Example of model No.]

**SPK11-15A-N4ASFP2-AC100V**

- A** Port size : 1/2
- B** Thread : Rc
- C** Body material : Stainless steel
- D** Coil housing : Lead wire
- E** Surge suppressor : Surge suppressor included
- F** Rated voltage : 100 VAC 50/60 Hz, 110 VAC 60 Hz

For dimensions, refer to the SPK Series in "General Purpose Valves (CB-03-1SA)".