

Main applications

Applications of attaching a solenoid valve on a tap water pipe

- Controlling the water supply of a pool, bath, shower, toilet, etc.
- Controlling the water supply of cleaning equipment
- Watering of rooftops and gardens

Overview

- Low water hammer
- A type equipped with a strainer for the main flow path to prevent the entry of trash can also be made. (15A to 25A)
- An outdoor type is also available (3A, 7A, 7L)

Tap water control valve (approved by JWWA)

RSV-W solenoid valve

- For watering with tap water of greenery on urban highways, in parks and factories, and on building rooftops, etc.
- For water supply control of tap water Continuously energized, latch
- Pilot operated diaphragm

Specifications

Item	RSV-15A- 210W-3A011	RSV-20A- 210W-3A011	RSV-25A- 210W-3A011	RSV-32A- 210W-3A011	RSV-40A- 210W-3A011	RSV-50A- 210W-3A011		
Working fluid	Tap water							
Max. working pressure MPa	1 (≈150 psi, 10 bar)							
Working pressure differential MPa	0.02 (≈2.9 psi, 0.2 bar) to 1 (≈150 psi, 10 bar)							
Structural proof pressure MPa	1.75 (≈250 psi, 17.5 bar)							
Fluid temperature °C	0 (32°F) to 60 (140°F) (no freezing)							
Ambient temperature °C	0 (32°F) to 60 (140°F)							
Ambient humidity %	95 or less							
Orifice size mm	15.5	5.5 25.5			50.5			
Cv	3.4	10.1	12.0	25.0	34.0	41.0		
Frequency times/min.	1 or less							
Mounting orientation	Horizontal position with coil on top							
Port size	RC ¹ / ₂	RC ³ /4	RC1	RC1 ¹ /4	RC1 ¹ /2	RC2		
Weight kg	1.5	2.0		4.2				
Electrical specification	ons							
Drive method/voltage	Continuously energized: 24 VDC, 100:200V AC (50/60 Hz) *1 Latch pulse signal: 7L *2							
Power consumption W	100 VAC/200 VAC: 5.2/3.8 (50/60 Hz) 24 VDC: 11							
Thermal class	Class 130 (B) (JIS C 4003)							
Apparent power VA	When holding: 12/10 (50/60Hz), When starting: 17/14 (50/60Hz)							
Leakage current mA	6 or less/100 VAC, 3 or less/200 VAC, 1 or less/24 VDC							



Application based coil shape selection examples

 For indoor housing facilities (drainage)	2G
\circ For installation within manholes for urban greenery, etc	7A
\circ Battery controller for controlling solar controllers for urban greenery, etc	7L
○ For outdoor drainage	3A



A Precautions on model No. selection

*1 When the coil housing is "00", it is only possible to select AC for the voltage.

*2 The latch coil shape 7L is dedicated for the controller manufactured by CKD.

The voltage of the model No. when placing an order is 6 VDC.

- Applicable controller
- · RSC-S5, RSC-G series
- · RSC-1WP, RSC-2WP

*3 Coil options 7A and 7L with bore size of 20A or more are available.

*4 Strainers integrated with bore sizes of 15 to 25A are available.

RSV-W Series

Internal structure and parts list



Dimensions











● RSV-²⁰₂₅A-210W



CKD



Model No.	A	В	с	7A, 7L	D
RSV-15A-210W	80	15	102	-	Rc ¹ / ₂
RSV-20A-210W	100	18	135	163	Rc ³ / ₄
RSV-25A-210W	105	22	141	169	Rc1
RSV-32A-210W	168	29	154	182	Rc1 ¹ / ₄
RSV-40A-210W	176	34	164	192	Rc1 ¹ / ₂
RSV-50A-210W	180	39	174	202	Rc2

Always read the precautions in the instruction manual before starting use.

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Coil housing shape

Standard

• Open frame (3A) greenery

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Type with DIN terminal (2G) housing facilities



Option Low-watt (7A) greening Continuous energizing



Latch (7L) greenery

