

Slow start valve standard white series

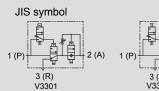
V3301-W/V3321-W Series

Securing safety at starts and stops.

Port size: Rc1/4 to Rc1/2

Voltage

Attachment



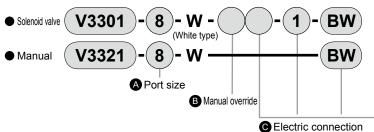
Specifications

ions	V3301-W/V3321-W			
nod	Pilo	t operated soft spool v	alve	
	Compressed	air (excluding super dr	y air) Note 1	
range MPa	0.2 to 1.0			
ssure MPa	1.5			
e range °C	5 to 60			
P), 2 (A) port	Rc1/4	Rc3/8	Rc1/2	
(R) port		Rc3/8		
auge port	Rc1/4			
w speed intake	6			
h speed intake	40	64	76	
h speed exhaust	50	74	78	
	0.2sec or less			
	Oil-free Note 2			
g	V3301-W: 635 V3321-W: 515			
ecification	V3301-W			
V	AC100 (50/60Hz)	AC200 (50/60Hz)	DC24	
t A	0.076/0.058	0.038/0.030	0.000	
: А	0.038/0.029	0.019/0.015	0.092	
ption W	2.2/1.7	2.2/1.7	2.2	
crease K	40 or less			
ion range	±10%			
;	B class			
	range MPa ssure MPa e range °C P), 2 (A) port (R) port auge port v speed intake h speed exhaust g pecification V i A potion W crease K ion range	range MPa sure MPa erange °C P), 2 (A) port Rc1/4 (R) port auge port waspeed intake h speed exhaust 50 g V33 ecification V AC100 (50/60Hz) AC100 (50/60Hz) AC100 (50/60Hz) AC100 W C1/21/7 Crease K cion range	Pilot operated soft spool via Compressed air (excluding super drange MPa 0.2 to 1.0 sure MPa 1.5 sure MPa 1.5 sto 60 P), 2 (A) port Rc1/4 Rc3/8 (R) port Rc3/8 auge port Rc1/4 Rc3/8 auge port Rc1/4 speed intake 6 h speed intake 6 h speed exhaust 50 74 0.2 sec or less Oil-free Note 2 V3301-W: 635 V3321-W: ecification V3301-W AC100 (50/60Hz) AC200 (50/60Hz) AC200 (50/60Hz) AC201 (50	

Note 1: Contact CKD when using ultra dry compressed air.

Note 2: Use the turbine oil Class 1 ISO VG32 if lubricated.

How to order



Symbol Descriptions A Port size 1 (P), 2 (A) port 08 Rc1/4 10 Rc3/8 Rc1/2 15

B Manual override Blank Non-locking type M1 Locking type

© Electric connection Blank Grommet lead wire S Grommet lead wire with surge supressor В Terminal box LS Terminal box surge supressor with lamp

D Voltage			
1	AC100V 50/60Hz	Standard	
2	AC200V 50/60Hz		
3	DC24V		
4	DC12V	Ontion	
5	AC110V 50/60Hz	Option	
6	AC220V 50/60Hz		

€ Attachment			
6	AC220V 50/60Hz		
5	AC110V 50/60Hz	Орион	
4	DC12V	Option	
3	DC24V		
2	AC200V 50/60Hz	Standard	
1	AC100V 50/60Hz	Standard	

No attachments

Specification for LiB production (Catalog No.CC-947)

A Select the reverse regulator (R*100-W) or reverse filter regulator (W*100-W) when installing the V3301-W or V3321-W onto the primary side of the regulator or filter

Specification for LiB manufacturing process

Blank

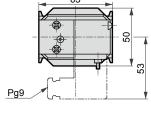
regulator.

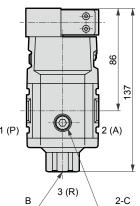
V3301-W·V3321-W Series

Dimensions

Dimensions

● V3301-W





	Α	В	С
V3301-08-W	Rc1/4		
V3301-10-W	Rc3/8	Rc3/8	Rc1/4
V3301-15-W	Rc1/2		

Bracket: B320

45

(103)

Lead wire / Length 300mm

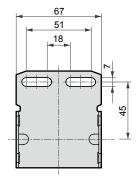
2-A

(63)

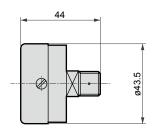
2-A

45

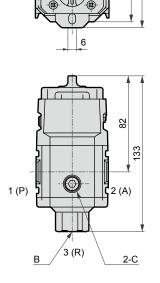
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● Pressure gauge: G49D-8-P10



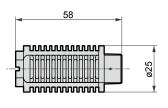
● V3321-W



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	Α	В	С
V3321-08-W	Rc1/4		
V3321-10-W	Rc3/8	Rc3/8	Rc1/4
V3321-15-W	Rc1/2		

Silencer: SLW-10A



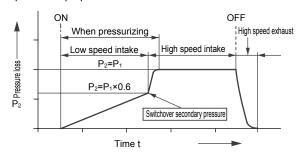
V3301-W/V3321-W Series

Operational explanation (refer to operating principles)

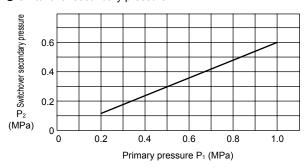
The slow start valve turns on when the solenoid valve is energized or the manual section is set to SUP. The valve turns off when the solenoid valve is deenergized or the manual section is set to EXH.

- (1) First, when the main unit is turned on, the low-speed supply path opens, and the compressed air starts to flow to the secondary side. The secondary pressure gradually starts to rise. The operable cylinders in the unit will start moving at a low speed and thus will not pop out.
- (2) Next, when secondary pressure exceeds 60% of primary pressure, the hight speed supply path opens. Secondary pressure suddenly rises tot he same pressure as primary pressure. (fully open)
- (3) When the main unit is turned OFF, high speed exhaust starts and residual pressure in the unit is exhausted.

Operational properties



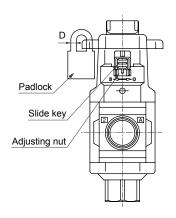
Switchover secondary pressure



How to adjust slow start function (refer to side view)

- (1) Press the slide key up and release the adjustment nut lock.
- (2) Turn the main unit on, and confirm the cylinder operation speed and secondary pressure rise time. Then turn the main unit off.
- (3) Turn the adjustment nut as explained below, and adjust the state. Cylinder pops out → Turn to the S side Low speed operation time is too long \rightarrow Turn to the O side Repeat steps (2) and (3) as necessary, and adjust to the optimum
- (4) Align the adjustment nut keyway to the projection on the slide key.
- (5) Press down the slide key and lock the adjustment nut.
- (6) Confirm that the main unit is off.

Side view



Safety precautions

- Note 1: This valve is dedicated for starting and stopping (including emergency stop) the device. This valve should not be used for cylinder repeat operation or as a normal 3-way valve.
- Note 2: If the minimum operating pressure of the cylinder, which is to be kept from popping out, is less than 50% of the working pressure, popping out will not be prevented.
- Note 3: The manual override is locked with the manual valve type. Select a padlock with a D dimension of 3.8 to 5.8 mm.
- Note 4: Connect a silencer or exhaust filter, etc., to the exhaust port for safety and sound absorption.