



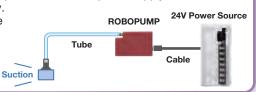
# Equipment can be entirely electric with RoboPump!



### No piping necessary

Unlike an ejector, no air piping, compressor, or solenoid valve is required. Simply connect the RoboPump to the cable and power supply, and it can be activated immediately.

Additionally, by equipping the wireless feature (option), wireless communication with a teaching tool can be performed.



## Compact and Easy

This palm-size unit requires very little installation space. The unit contains a built-in solenoid valve and pressure sensor,

making it ideal for suctioning lightweight objects.

Display panel



# Main Unit Features

The display unit is capable of showing the current pressure and alarm details. Additionally, various settings such as threshold values and parameters can be set with the operation switches (four-way + center push type).

Operation switches









Alarm Display

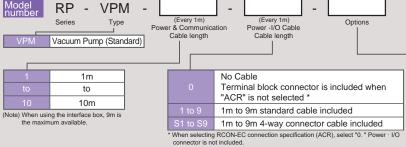


Threshold Setting



Parameter Change





(S): 4-way connector cable (Note) Make sure that the total length along with the actuator cable is 10m or less

Blank NPN specification (Cor No option		NPN specification (Connected via I/F box) No option
ACR RCON-EC connection specification *1		RCON-EC connection specification *1
F	N	PNP specification (Connected via I/F box) *1
WL Wireless communication specification (Connected via I/F box) *2		

11 "PN" cannot be selected when "ACR" is selected.
(I/O for "ACR" option is NPN only)
2 "WL" cannot be selected when "ACR" is selected.
(When using wireless communication, an interface box and cable must be purchased separately.)

#### Power & Communication Cable

Cable code	Cable length
1 to 3	1 to 3m
4 to 5	4 to 5m
6 to 10	6 to 10m

(Note) Robot cable

#### Power · I/O Cable \* Only a terminal block connector is included.

Standard connector cable			
Cable code	Cable length	User Wiring Type Flying leads CB-EC-PWBIO □□□-RB enclosed	
0	No Cable	* The only accessory provided is the terminal block.	
1 to 3	1 to 3m	✓	
4 to 5	4 to 5m	<b>√</b>	
6 to 9	6 to 9m	✓	

4-way connector cable			
Cable code	Cable length	User Wiring Type Flying leads CB-EC2-PWBIO □□□-RB enclosed	
S1 to S3	1 to 3m	✓	
S4 to S5	4 to 5m	✓	
S6 to S9	6 to 9m	✓	

(Note) Robot cable

#### Ontions

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Name	Option code	
RCON-EC connection specification	ACR	
PNP specification	PN	
Wireless communication specification	WL	

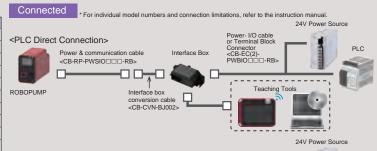
Brackets (sold separately)

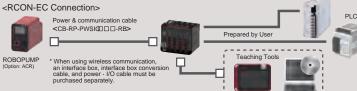
Name	Model
Side Attachment Bracket	RP-BKT-VPM
Cable Support Bracket	RP-FST-VPM

\* For the external dimensions and mounting methods, refer to the instruction manuals.

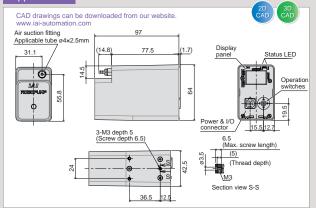
#### Specification

Item	Contents
Withdrawal Method	Vent to atmosphere
Pump Type	Diaphragm Pump System
Power supply voltage	24VDC±10%
Power supply current	Rated 0.8A maximum 1.3A
Vacuum pressure	-50kPa or less
Generated flow volume	1.8L/min or more
Air suction fitting size	For ø4x2.5mm tube
Installation orientation	Horizontal
Ambient operating temperature	0 to 40℃
Ambient operating humidity	85% RH or less (no condensation)
Allowable Duty Cycle	100% Duty cycle operation available
	* Duty (%) =
	Vacuum Time : (Vacuum Time + Stop Time)
Protection rating	IP20
Mass	320g





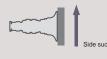
### Appearance



### Reference for Loadable Workpiece Mass

Suction Cup Diameter (mm)	Top suction payload (kgf) <safety 4="" margin=""></safety>	Side suction payload (kgf) <safety 8="" margin=""></safety>	
1	0.001	0.0005	
3	0.009	0.0045	
6	0.036	0.018	
10	0.1	0.05	
15	0.225	0.113	
20	0.401	0.2	
(Pressure -50kPa, Nitrile Rubber Pad)			







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