

Vacuum Suction Gripper

HVGEE lectric Palletizing Suction Gripper

Electric suction gripper

HANWHA



3C electronics

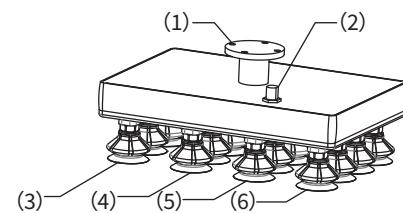
Product Characteristics

- * Flange connection compatible with standard collaborative robots.
- * Simple installation.
- * Lightweight gripping system with integrated vacuum monitoring and control.
- * Features auto-replenishment function for specific materials or applications.
- * Continuously compensates for vacuum loss during handling to ensure stable holding force.



Product Structure

- * (1) Flange Connection Holes
- * (2) Electrical Connection Port
- * (3) Suction Cup Zone A
- * (4) Suction Cup Zone B
- * (5) Suction Cup Zone C
- * (6) Suction Cup Zone D



Product advantages

- * Low noise
- * Pure electrical
- * Large load 18KG
- * light in weight only 2.9KG



*Examples of HVGEE electric palletizing suction devices

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Technical Specifications for HVGE Electric Palletizing Gripper

Model	Pressure range	Maximum	Vacuum	Voltage	Power	Weight
		vacuum degree	flow rate			
	[kPa]	[kPa]	[L/min]	[V/DC]	[W]	[kg]
HVGE Electric Palletizing Gripper	-99~0	-65	1.2-10	24±2	Static2, Operation≤72	2.9

Definition table

Pin	Pin description	
1	Zone A Control Signal (in1)	
2	Zone B Control Signal (in2)	
3	Zone C Control Signal (in3)	
4	Zone D Control Signal (in4)	
5	Zone A Output Signal (out1)	
6	Zone B Output Signal (out2)	
7	Zone C Output Signal (out3)	
8	Zone D Output Signal (out4)	
9	Positive Power Terminal (VCC)	
10	Positive Power Terminal (VCC)	
11	Negative Power Terminal (GND)	
12	Negative Power Terminal (GND)	

Remark*: Whether using PNP or NPN mode; Only one type of load can be connected!

Circuit wiring diagram

- 1.RL/PNP Load Wiring Configuration: Connect the output (OUT) between the power supply GND.
- 2.RL/NPN Load Wiring Configuration: Connect the output (OUT) between the power supply VCC.
- 3.Control Input I/O: Accepts either VCC or GND signals (configurable for PNP/NPN logic).

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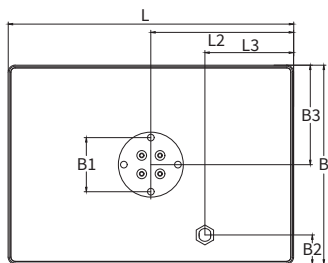
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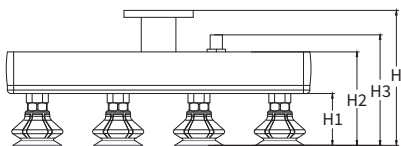


Design parameters for HVGE Electric Palletizing Gripper



Size[mm]

Model	L	L1	L2	B	B1	B2	B3
HVGE	264	82	132	184	50	27	92



Size[mm]

Model	H	H1	H2	H3
HVGE	117	45	81	96

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