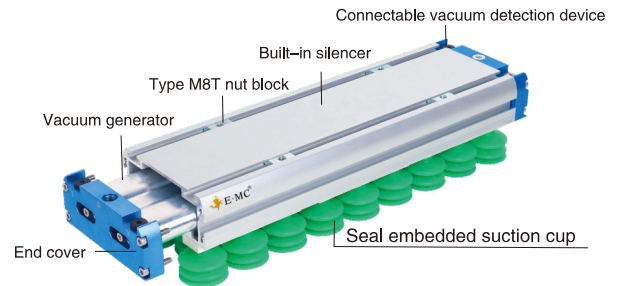


## Vacuum Gripper

The EGP-S-A vacuum gripper system-integrated insert vacuum generator, which can be individually configured and quickly disassembled according to changing working conditions. The system is modular in design and easy to maintain. Reserved interface, and functional components can be directly added to the gripper, the process has been optimized, environmental protection and energy saving.

### Built-in Plug-in Vacuum Generator

Performance optimization: Lower air consumption and greater vacuum flow for greater suction power. The silencer of the vacuum generator keep the noise level below 70dB(A).

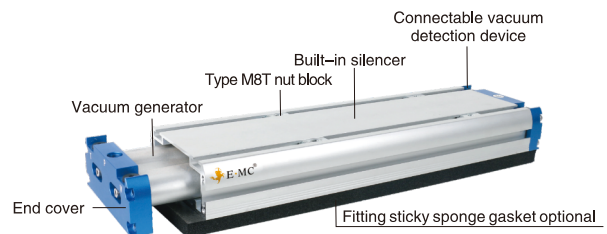


## Sponge Gripper

EGP-F-A sponge gripper system-integrated plug-in vacuum generator, which can be individually configured and quickly disassembled according to changing working conditions. The system is modular in design and easy to maintain. Reserved interface, can directly attach functional components on the gripper to optimize the process, environmental protection and energy saving.

### Built-in Plug-in Vacuum Generator

Performance optimization: Lower air consumption and greater vacuum flow for greater suction power. The silencer of the vacuum generator keep the noise level below 70dB(A).

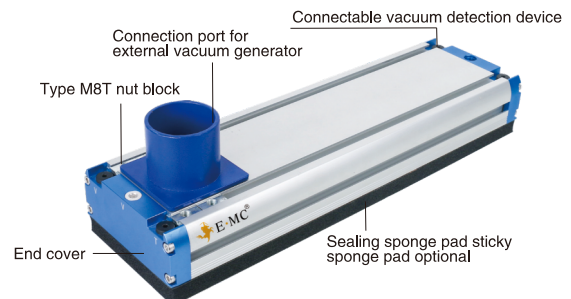


## Gripper Introduction And Display

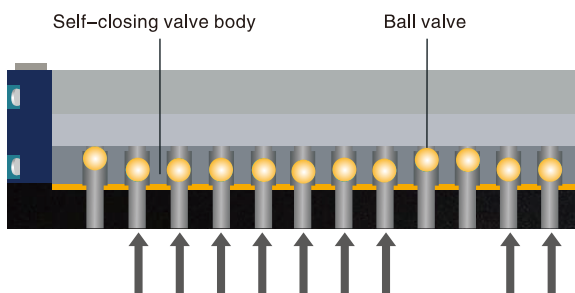
EGP-F-E: Suitable for external vacuum generator sponge gripper EGP-F-E adopts the same module design as EGP-F-A, and reserves external ports for external vacuum generator, so it is especially suitable for vacuum pumps and blowers.

### Connection Port For External Vacuum Generator

It can be used in conjunction with electrically driven vacuum generators (blower or vacuum pump).

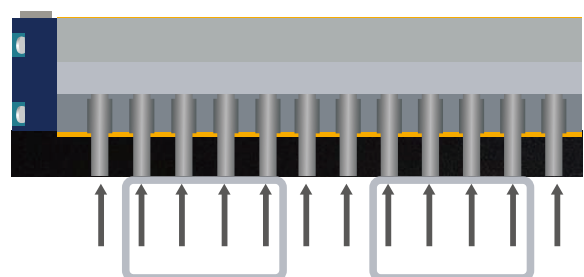


## Valve Body Technical Description



### Self-closing Valve V

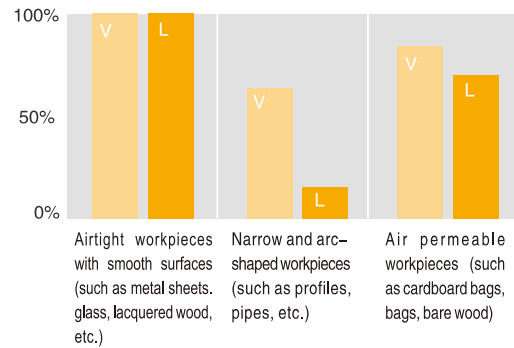
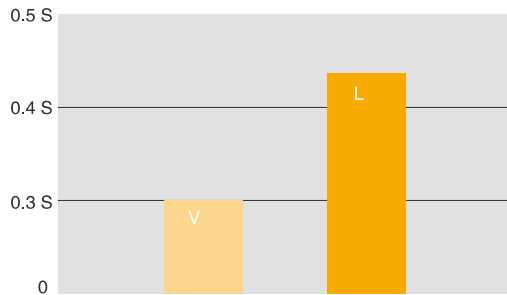
- A mechanical check valve is integrated inside the gripper. When the sponge hole does not completely cover the workpiece, the check valve will automatically close, reduce vacuum leakage, and keep the gripper normally absorbing the workpiece.
- Self-closing valve body. Enlarging the diameter allows more flow to pass through, used in high-speed grabbing and releasing occasions to meet the handling needs of workpieces with uneven surfaces



### Flow Valve L

- Built-in flow valve, When the gripper does not touch the area of the workpiece, vacuum leaks are minimized.
- Suitable for overturning and high-speed handling.
- The diameter of the flow valve is optional.

## Selection Guide



Application Features	Self-closing Valve	Fluid Valve
Airtight workpieces with smooth surfaces (such as metal sheets, glass, lacquered wood, etc.)	✓	✓
Air permeable workpieces (such as cardboard bags, bags, bare wood, etc.)	✓	
Uneven workpiece surfaces	✓	✓
Workpieces with small pick-up area, low suction hole coverage of grippers (such as pipe fittings, profiles)	✓	
Minimize cycle time (accelerated blow release)	✓	
Optimize energy efficiency	✓	
Flip operation angle > 45°, any flip		✓
Minimize interference caused by mismatch between pipe diameter and external vacuum generator (highly integrated)	✓	
Easy installation, quick connection	✓	
Minimized system costs (input costs include vacuum generation unit, hoses and controllers)	✓	
Minimized operating costs (due to the choice of electric vacuum generator), especially when multiple grippers are used	✓	
Handling highly air-permeable workpieces	✓	✓

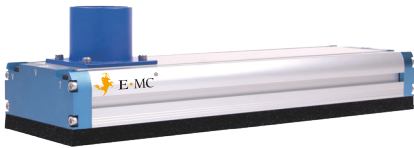
  

Application Features	Sponge	Gripper
Rigid workpieces such as sheets, metal sea panels, profiles and pallets	✓	✓
Flexible workpieces such as cardboard boxes, bags, bags and pallets	✓	✓
Long and narrow workpieces and plates	✓	✓
Rough workpiece surface, with modeling lines	✓	
Handling of small workpieces such as cans (open/closed), pop cans on the whole floor	✓	

# EGP130-F-E Sponge Gripper(External Vacuum Source)

## EGP130-F-E

Sponge Gripper(External Vacuum Source)



### Product Features

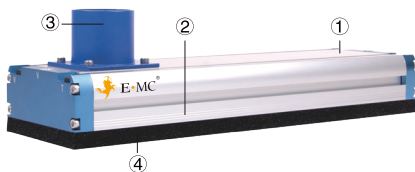
- Suitable for different industry products grabbing, meet various specifications.
- Flexible selection of standard or customized gripper, suction of different sizes can be freely combined and used.
- Optional self-closing valve technology can solve workpieces with large vacuum leakage, uneven surface, different sizes and geometric shapes.
- Vacuum source can be connected to an external vacuum generator, suitable for using with electrically driven vacuum devices (blowers or vacuum pumps).
- Modular design for easy maintenance.
- The interface is reserved, functional components can be directly added to the gripper, optimize the process, environmental protection and energy saving.
- The material is aluminum alloy, factory plastic and carbon fiber composite material, which has the characteristics of high strength and light weight.
- Easy to install, with T-type removable mounting slider, available for fixing grippers as well as for mounting sensors.
- Rubber gasket accessory for quick replacement.

### How to Order?

Series No.	Gripper Width	Gripper Length	Valve Technology	Suction-hole Type	Gasket Thickness Type	Vacuum Source
EGP: Vacuum gripper	130:130mm	262:262mm 316:316mm 352:352mm 442:442mm 550:550mm 640:640mm 712:712mm 838:838mm 910:910mm 1000:1000mm 1234:1234mm 1432:1432mm	V: Self-closing valve L: Flow valve S: High-speed valve	3F: Three rows oval hole 5F: Five rows oval hole 4F: Five rows round hole 1F: Two rows oval hole	10: 10mm 15: 15mm 20: 20mm 30: 30mm 10F10: With filter function 15F15: With filter function M: Traceless type	E: Connection interface for external vacuum generator

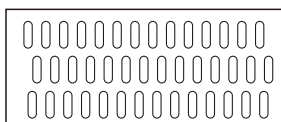
**Order Example:** EGP vacuum gripper, gripper width 130mm, gripper length 1234mm, self-closing valve, three rows oval hole, gasket thickness 20mm, connection interface for external vacuum generator. EPR code is: EGP130-1234V-3F20-E

### Product Structure

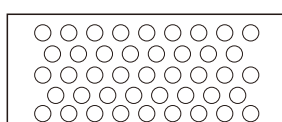


- ① Gripper body: the material is reinforced aluminum alloy
- ② Built-in valve body technology optional: self-closing valve, flow valve, high-speed valve
- ③ Connecting port for external vacuum generator
- ④ Suction-hole type optional: universal type, customized type

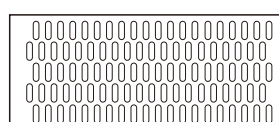
### Suction-hole Type



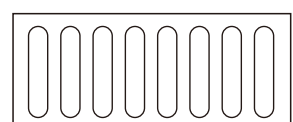
EGP130 standardized suction-hole type  
Type:3F  
universal type



EGP130 customized suction-hole type  
Type:4F  
Customized type



EGP130 customized suction-hole type  
Type:5F  
Customized type



EGP130 customized suction-hole type  
Type:1F  
Customized type

# EGP130-F-E Sponge Gripper(External Vacuum Source)



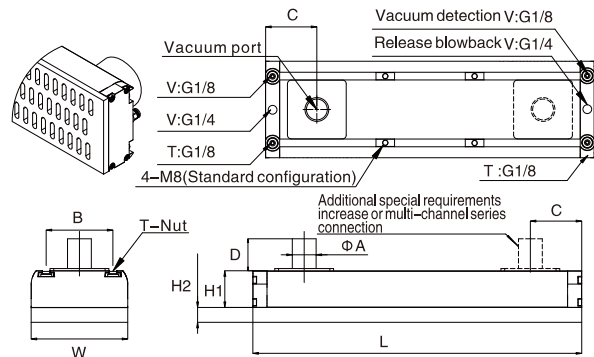
## Performance Parameter

Model	Suction-hole Type	Hole number	Required Pumping Volume ( L/min )	Vacuum Degree (kPa)	Suction Force N(-40kPa)	Weight (kg)
EGP130-262V-3F□-E	3F	36	110	40	262	2.2
EGP130-316V-3F□-E	3F	45	150	40	328	2.4
EGP130-352V-3F□-E	3F	51	220	40	371	2.6
EGP130-442V-3F□-E	3F	66	300	40	480	3
EGP130-550V-3F□-E	3F	84	390	40	611	3.4
EGP130-640V-3F□-E	3F	99	450	40	721	3.8
EGP130-712V-3F□-E	3F	111	510	40	808	4.2
EGP130-838V-3F□-E	3F	132	600	40	961	4.8
EGP130-910V-3F□-E	3F	144	680	40	1048	4.9
EGP130-1000V-3F□-E	3F	159	750	40	1157	5.2
EGP130-1234V-3F□-E	3F	198	900	40	1441	6.8
EGP130-1432V-3F□-E	3F	231	1050	40	1682	8.1
EGP130-295V-4F□-E	4F	53	150	40	326	2.6
EGP130-434V-4F□-E	4F	83	300	40	511	3.3
EGP130-572V-4F□-E	4F	113	400	40	696	3.8
EGP130-711V-4F□-E	4F	143	510	40	881	4.5
EGP130-849v-4F□-E	4F	173	600	40	1065	5.2
EGP130-988V-4F□-E	4F	203	750	40	1250	5.6
EGP130-1126V-4F□-E	4F	233	850	40	1435	7
EGP130-1256V-4F□-E	4F	263	950	40	1619	7.4
EGP130-1403V-4F□-E	4F	293	1050	40	1804	8.5
EGP130-1542V-4F□-E	4F	323	1250	40	1989	9.1
EGP130-262V-5F□-E	5F	60	110	40	191	2.2
EGP130-316V-5F□-E	5F	75	150	40	239	2.4
EGP130-352V-5F□-E	5F	85	220	40	271	2.6
EGP130-442V-5F□-E	5F	110	300	40	350	3
EGP130-550V-5F□-E	5F	140	390	40	446	3.4
EGP130-640V-5F□-E	5F	165	450	40	526	3.8
EGP130-712V-5F□-E	5F	185	510	40	589	4.2
EGP130-838V-5F□-E	5F	220	600	40	701	4.8
EGP130-910V-5F□-E	5F	245	680	40	780	4.9
EGP130-1000V-5F□-E	5F	265	750	40	844	5.2
EGP130-1234V-5F□-E	5F	330	900	40	1051	6.8
EGP130-1432V-5F□-E	5F	385	1050	40	1226	8.1

## Main Dimension

Dimension: [mm]

Model	A	B	C	D	H1	H2(□□)	W	L	
EGP130-262V-3F□-E	60(32)	90	69	54	50	10   15	20	130	262
EGP130-316V-3F□-E	60(32)	90	69	54	50	10   15	20	130	316
EGP130-352V-3F□-E	60(32)	90	69	54	50	10   15	20	130	352
EGP130-442V-3F□-E	60(32)	90	69	54	50	10   15	20	130	442
EGP130-550V-3F□-E	60(32)	90	69	54	50	10   15	20	130	550
EGP130-640V-3F□-E	60(32)	90	69	54	50	10   15	20	130	640
EGP130-712V-3F□-E	60(32)	90	69	54	50	10   15	20	130	712
EGP130-838V-3F□-E	60(32)	90	69	54	50	10   15	20	130	838
EGP130-910V-3F□-E	60(32)	90	69	54	50	10   15	20	130	910
EGP130-1000V-3F□-E	60(32)	90	69	54	50	10   15	20	130	1000
EGP130-1234V-3F□-E	60(32)	90	69	54	50	10   15	20	130	1234
EGP130-1432V-3F□-E	60(32)	90	69	54	50	10   15	20	130	1432



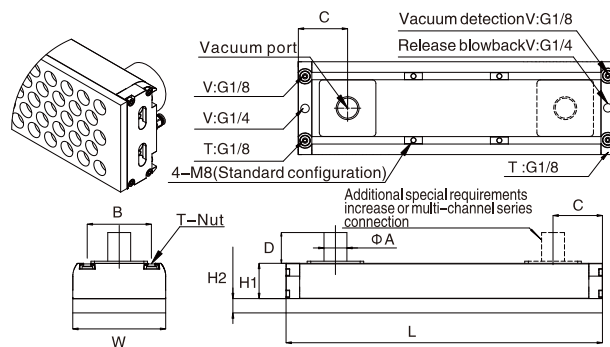
EGP130-F-E

# EGP130-F-E Sponge Gripper(External Vacuum Source)

## ◎ Main Dimension

Dimension: [mm]

Model	A	B	C	D	H1	H2(□□)	W	L
EGP130-295V-4F□-E	60(32)	90	69	54	50	10 15 20	130	295
EGP130-434V-4F□-E	60(32)	90	69	54	50	10 15 20	130	434
EGP130-572V-4F□-E	60(32)	90	69	54	50	10 15 20	130	572
EGP130-711V-4F□-E	60(32)	90	69	54	50	10 15 20	130	711
EGP130-849V-4F□-E	60(32)	90	69	54	50	10 15 20	130	849
EGP130-988V-4F□-E	60(32)	90	69	54	50	10 15 20	130	988
EGP130-1126V-4F□-E	60(32)	90	69	54	50	10 15 20	130	1126
EGP130-1256V-4F□-E	60(32)	90	69	54	50	10 15 20	130	1256
EGP130-1403V-4F□-E	60(32)	90	69	54	50	10 15 20	130	1403
EGP130-1542V-4F□-E	60(32)	90	69	54	50	10 15 20	130	1542



Dimension: [mm]

Model	A	B	C	D	H1	H2(□□)	W	L
EGP130-262V-5F□-E	60(32)	90	69	54	50	10 15 20	130	262
EGP130-316V-5F□-E	60(32)	90	69	54	50	10 15 20	130	316
EGP130-352V-5F□-E	60(32)	90	69	54	50	10 15 20	130	352
EGP130-442V-5F□-E	60(32)	90	69	54	50	10 15 20	130	442
EGP130-550V-5F□-E	60(32)	90	69	54	50	10 15 20	130	550
EGP130-640V-5F□-E	60(32)	90	69	54	50	10 15 20	130	640
EGP130-712V-5F□-E	60(32)	90	69	54	50	10 15 20	130	712
EGP130-838V-5F□-E	60(32)	90	69	54	50	10 15 20	130	838
EGP130-910V-5F□-E	60(32)	90	69	54	50	10 15 20	130	910
EGP130-1000V-5F□-E	60(32)	90	69	54	50	10 15 20	130	1000
EGP130-1234V-5F□-E	60(32)	90	69	54	50	10 15 20	130	1234
EGP130-1432V-5F□-E	60(32)	90	69	54	50	10 15 20	130	1432

