

# End-of-Arm Vacuum Gripper

## etalvac

The patented etalvac technology produces a decentralized vacuum without compressed air by increasing the volume of a bellows with the help of an efficient linear actuator.

## How the SH-EOM works

Inside the SH-EOM two bellows are being uncompressed by a linear actuator while the suction cups are connected with the workpiece. The effective volume of the bellows increases and vacuum is being generated. In order to eject the gripped workpiece safely the bellows are compressed again.



## Application Area

The etalvac SH-EOM is used for handling workpieces with smooth surfaces in automated processes. Its design makes it perfectly suitable for the use with collaborating robots. The integrated controller can be actuated directly via digital signals, e.g. a PLC. Designed as a purely electric end-of-arm gripper the etalvac SH-EOM is installed on the last axis of the handling system and uses its integrated 24V connection. No additional tubing or wiring needed.

## Technical Data

Parameter	Unit	Description / Specification
Vacuum volume of the bellows	[cm <sup>3</sup> ]	19
Vacuum max.	[%]	40
Suction cup adapter, standard		M5 or 1/8"
Dimensions L x W x H	[mm]	110 x 110 x 86 (71)
Power supply / activation	[V]	24
Energy demand	[W]	4
weight	[kg]	0,44 (without holder and suction cup)

## Your benefits

- Significant reduction of working costs
- Decentralized vacuum generation directly on the application
- Super quiet operation
- Integration in DIN EN ISO 50001 actions
- Reduced energy consumption helps to protect the environment
- Protection class IP 65

## Items delivered

- ✓ etalvac SH-EOM
- ✓ Suction cup
- ✓ Standard change system

## Optional accessories

- ✓ IP 65 (M8) connector with 30cm wire
- ✓ Multiway adapters for suction cups
- ✓ Grip SWS Quick change system