

Vacuum Gripper System

(Foam Type)

Suitable for the palletizing and depalletizing of corrugated cardboard, etc.



RoHS

IO-Link

Ejector unit

Combines all functions required for adsorption

Ejector	Supply valve/Release valve
Silencer	Pressure switch
IO-Link compatible*1	

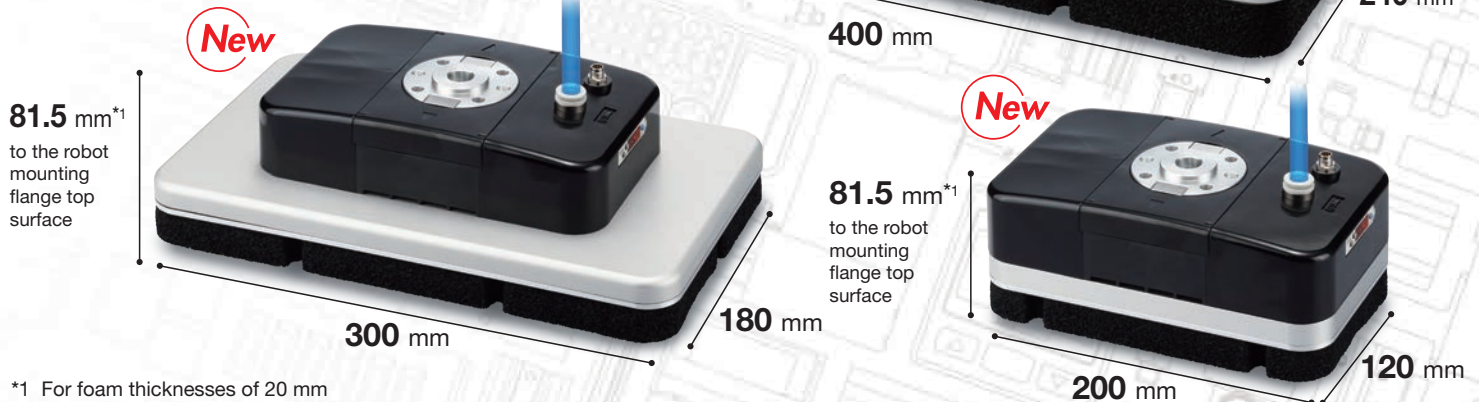
*1 Only for sizes 300 x 180 and 200 x 120

Compatible with the collaborative robots of 4 companies

UNIVERSAL ROBOTS
OMRON/TECHMAN ROBOT
FANUC
YASKAWA Electric

75 mm*1
to the robot
mounting
flange top
surface

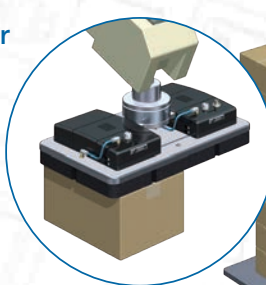
Can be used immediately by simply
connecting 1 electrical cable and air piping



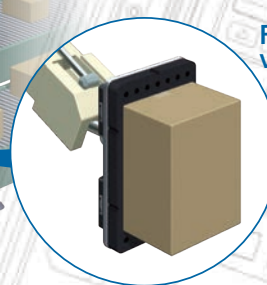
*1 For foam thicknesses of 20 mm
Depending on the compatible robot

Application Examples

For the transfer
of small
corrugated
cardboard



For the
vertical transfer



ZGS Series

Automation
Controls
Process

Ejector Unit

■ Newly designed ejector for the Vacuum Gripper System

- Number of ejector assemblies (2 pcs, 4 pcs, 6 pcs) can be selected.

- Energy-saving (Air consumption reduced by up to 15% compared to ZL6H)

Flow rate characteristics improvement in the practical range below -50 kPa

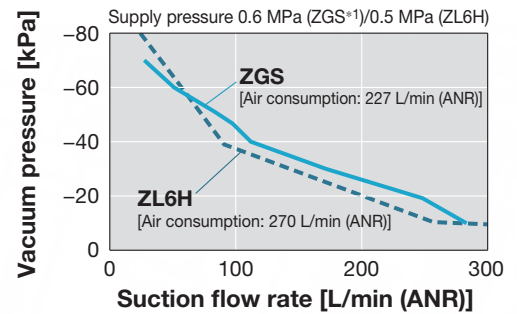
For size 400 x 240

Number of ejector assemblies	Suction flow rate [L/min (ANR)]
2	322
4	646
6	1022

* For details, refer to the ejector flow rate characteristics
* The values are for reference only.



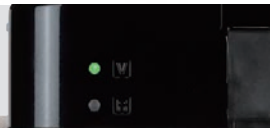
Flow Rate Characteristics Comparison



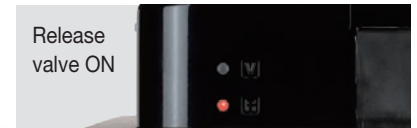
*1 The flow rate characteristics for the single ejector unit when the ejector assembly is 4 pcs.

■ LED indicator for supply and release valve operation.

Supply valve ON



Release valve ON



Suction Plate

■ 2 suction plates can be selected according to the workpiece size.

Vacuum saving valve type



Significantly suppresses vacuum pressure drop when used with multiple workpieces or when workpiece is smaller than the suction plate.
→ Various-sized workpieces can be adsorbed by 1 unit.

Fixed orifice type



Suitable for use with workpiece that is approximately same size as suction plate
Suppresses vacuum pressure drop

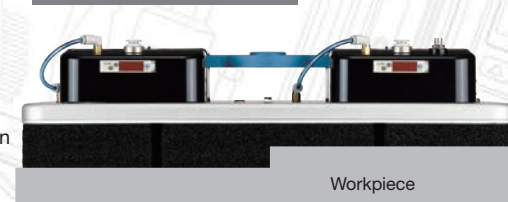
■ 2 foam thicknesses can be selected according to the workpiece surface shape.

Foam thickness: 20 mm



Small uneven part

Foam thickness: 30 mm



Large uneven part



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