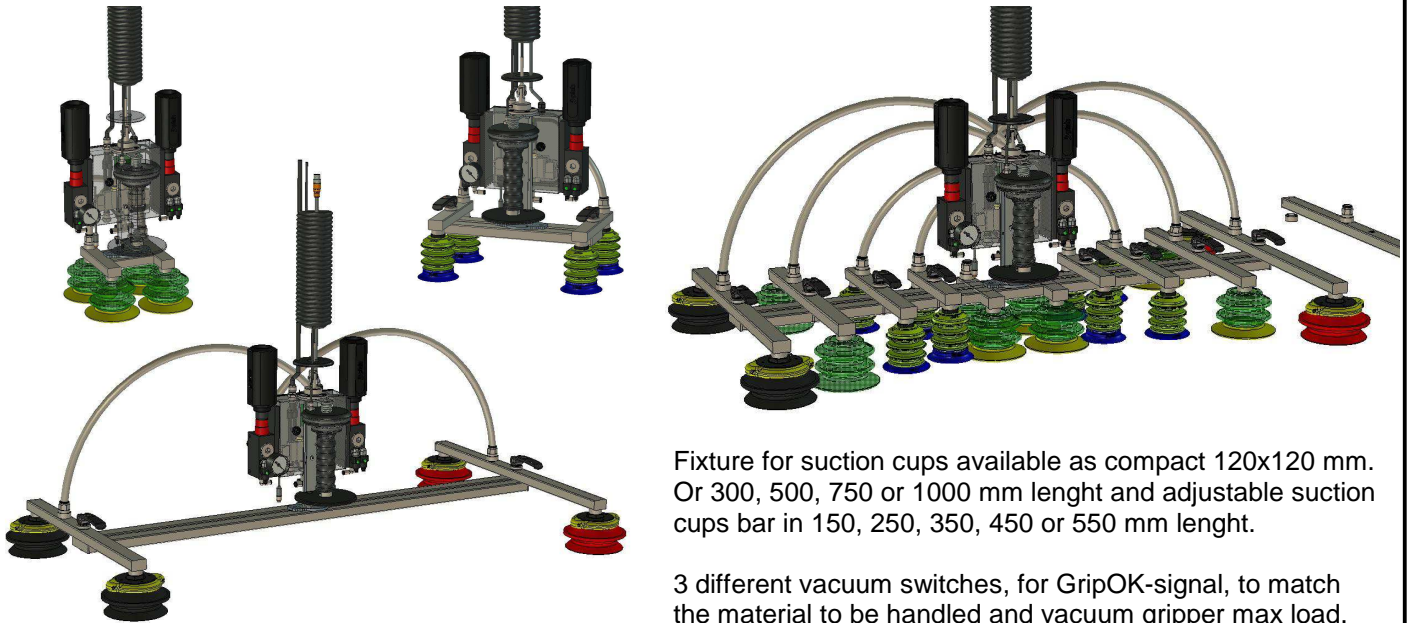




Datasheet AHG-P-MVG

Modular Vacuum Gripper. Choose suitable length, width and suction cups. Compressed air driven ejector, 4 (or 8) bellow suction cups and vacuum switch. The gripper is made for use with AirHandle control system.

AirHandle - Modular Vacuum Gripper for leaking and dense material



Fixture for suction cups available as compact 120x120 mm. Or 300, 500, 750 or 1000 mm length and adjustable suction cups bar in 150, 250, 350, 450 or 550 mm length.

3 different vacuum switches, for GripOK-signal, to match the material to be handled and vacuum gripper max load.

Use 1 or 2 vacuum pump depending on dense material i.e. metal, plastic, glass or leaking material i.e. cardboard or wooden boxes. The vacuum gripper is completely adapted for use with AirHandle control system for safe and easy handling:

- **Only one button for grip on/off function.**
- **Suspended load can't be released.**
- **Lifting is not able with too low vacuum level.**
- **Permitted lifting max load is adjustable.**
- **Gripper with and without load can be handled in a balanced mode. Hold directly on the gripper or the load and lift it up and down weightlessly.**

Contact AirHandle for practical test or consultation how to dimension the vacuum gripper right for properly holding force. Tips for configuration:

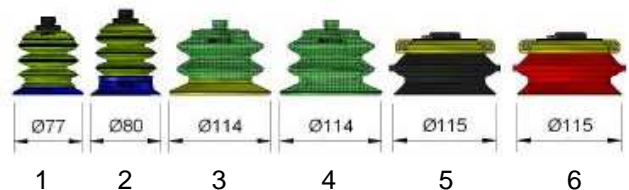
Leaking material use low value on the vacuum switch - 30KPa
Dense material use high value on the vacuum switch - 70KPa

Table data applies if the leakage through the material does not give a lower vacuum level. Note that the vacuum level can be higher = More holding force.

Vacuum gripper max load

Holding force with safety factor=2 and 4 suction cups

Suction cup	-30 kPa	-50 KPa	-70 kPa
1 FX77 flexible lip	10 kg	20 kg	30 kg
2 BG180 bag lip	7 kg	15 kg	20 kg
3 BX110P 30/60	35 kg	50 kg	65 kg
4 BX110P 60	40 kg	60 kg	85 kg
5 B110 NPV	30 kg	50 kg	70 kg
6 B110 SIL	30 kg	50 kg	70 kg



Contact us for correct sizing of your gripper.