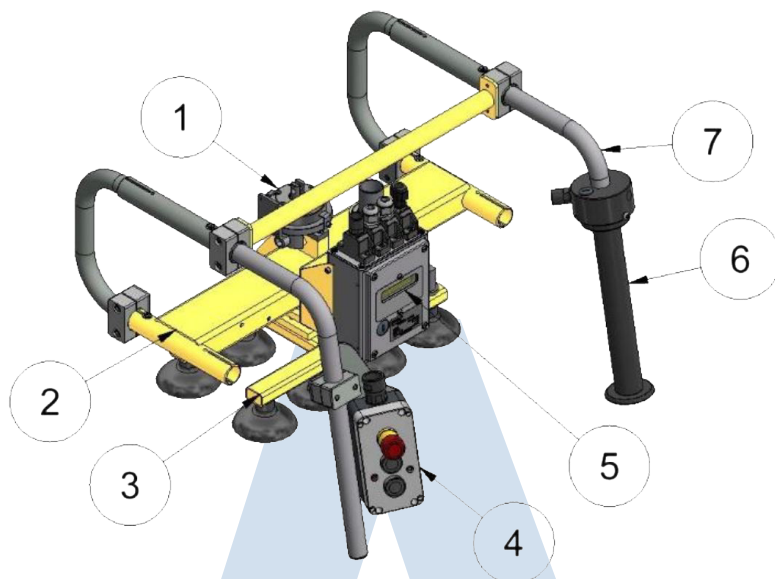


VACUUM GRIPPER



VACUUM END EFFECTOR

1. Flange
2. Tooling structure
3. Suctions frame
4. Control box
5. Control unit
6. Sensitive handle
7. Handle group



General features:

Typical composition of the system:

- Balancer (gearbox + feeder)
- Structure (rail, orbit-arm on column, orbit-arm from ceiling)
- Vacuum generator (pump)
- Managing tooling (vac-u-grip)
- End-tooling (single suction or frame of suctions)

Available vacuum generators:

- Venturi pumps (air compressed powered)
- Blowers pumps (electrically powered)
- High-vacuum pumps (electrically powered)

General features:

- "Fixed loads" or "self-balancing" working modes
- IP42 protection degree
- Standard color: RAL1018

Connection flange variants (1):

- Flange for 1/2 rope balancer
- Flange for 3/4 ropes balancer

Handle group variants (7):

- Standard handle (see picture)
- Lowered handle
- Folding handles (only for "D" model)
- With counterweight

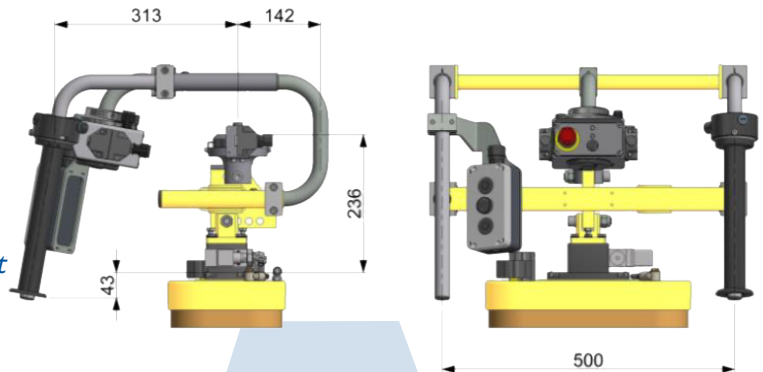
Default toolheads (standard):

- Vac-u-grip toolhead model C – Bag solution with blower – max load capacity 50 kg
- Vac-u-grip toolhead model D – Universal solution – max load capacity 150 kg

VAC-U-GRIP TOOLHEAD MODEL C

Features:

- Max load capacity: 50 kg
- Piece typology: bag
- Auto-balancing system
- Automatic gripping
- Automatic and/or manual release
- Sensitive handle
- Base Control Unit
- Blower unit
- Tooling weight: 16.5 kg (suction cup not included)
- Float mode not available



Safety:

- In case of unsafe vacuum level, the load isn't lifted
- In case of unsafe vacuum level after the load lifting, the system descent slowly to ground
- In case of automatic release and lifted load, it's not allowed the load release

Connected device:

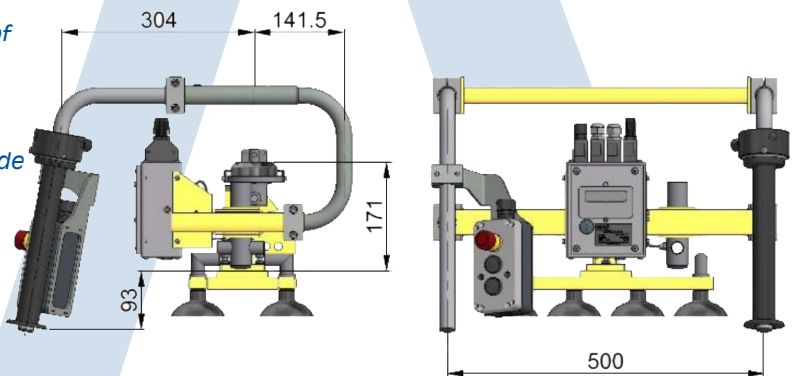
- Blower generator

Note. It's necessary to specify if it's required to release the lifted loads (with a pushbutton)

VAC-U-GRIP TOOLHEAD MODEL D

Features:

- Max load capacity: 150 kg (as function of the chosen vacuum generator)
- Piece typology: any
- Auto-balancing system
- Suction and release phases settable in automatic or manual (push button) mode
- Sensitive handle
- Plus control unit
- High vacuum generator (dimension to be considered according to the application)
- Vacuum level dynamic indication
- Tooling weight: 16 kg (suction/frame not included)
- Fold handles available on request
- Counterweight as option



Safety:

- In case of unsafety vacuum level, the load isn't lifted
- In case of unsafety vacuum level after the load lifting, the system descent slowly to ground. An acoustic buzzer is activated
- In case of lifted load, it's not allowed the load release
- In case of electric power network faults with lifted load, the system descent slowly to ground (OPTIONAL)
- In case of electric power network faults with no load, the system stops

Connected devices:

- High vacuum generator
- Vac-u-grip safety kit (OPTIONAL)
- Valve and filter kit mounted on balancer structure