



RESPIRO

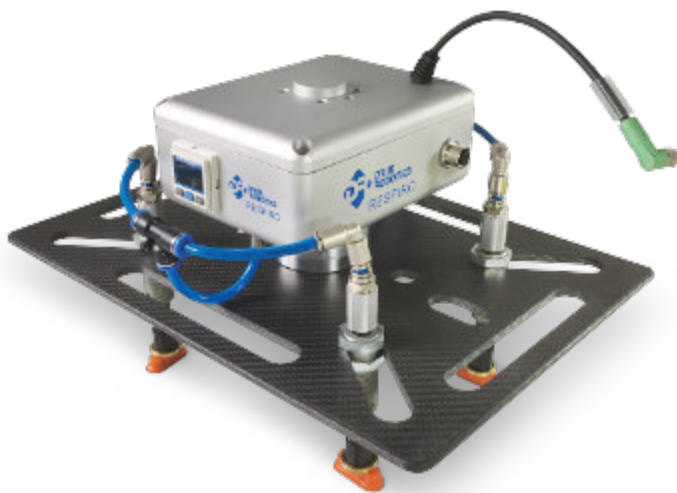
AIRLESS VACUUM SYSTEM

Respiro is born to support cobots in handling applications, in the field of logistics and packaging.

It is an electrical vacuum generator, independent of compressed air. With its two separated air circuits is very easy to set up a load-unload application. To complete Respiro is needed a gripper, using its builtin mechanical tool changer. We offer different solution with our CarboGrip, made in carbon, from 1 to 8 vacuum cups. Thanks to the URcap, Respiro can be perfectly adapted to fulfill your individual needs.

Features

- Built-in electric vacuum pump
- Dual gripping feature: A and B channels can be programmed individually
- No external air supply needed
- Integrated software
- Integrated freedrive button
- Durable aluminum housing
- Internal PLC to react in case of air leak
- Internal PLC to automatic Blow after release
- Additional sensor output



With Drim Robotics CarboGripMx



UNIVERSAL ROBOTS+
Certified

PNEUMATIC PERFORMANCE

Operating voltage 24 Vdc Free Flow 4 [l/m]

PRESSURE SIDE

Flow at: 100 mbar[l/min] 3,1
max Pressure [mbar] 1800

VACUUM SIDE

Flow at: -100 mbar[l/min] 3
max Vacuum [mbar] -640

MOTOR

Motor type Iron core with ball bearings 290
Max Current [mA]

OPERATING TEMPERATURE

Celsius Min 10 Max 50
Fahrenheit Min 50 Max 122

PAYLOAD

Kg Min 0 Max 20
Lb Min 0 Max 45

GRIPPERS

Vacuum Cups Min 1 Max 20
Valves Min 1 Max 2
Inputs Adjustable

FEATURE

Mechanical Interface Iso 9409-1
Electrical Interfaces 8-pole M8 - to the robot
5-pole M12 to the sensor 2
Free Drive
Pneumatic Interface \emptyset 6 or M5
Dust Filters
Dimensions 160 x 125 x h73 mm (h112 with tool changer)
Weight 1,14 kg

TOOL CHANGER

Dimensions diameter 69 x h39 mm
Weight 0,26 kg