

# RESPIRO

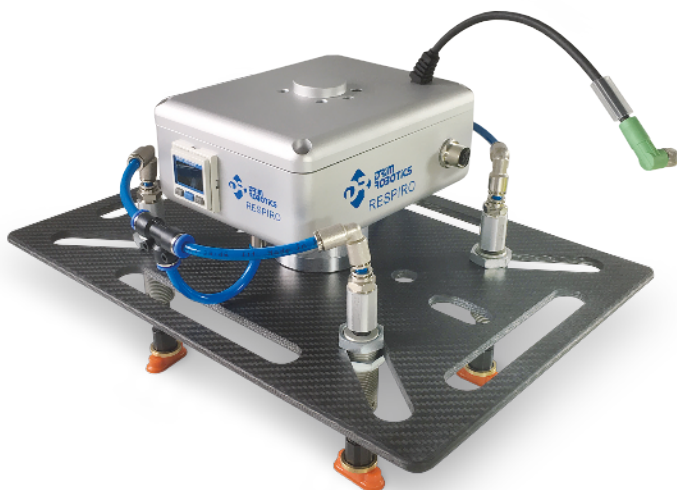
## AIRLESS VACUUM SYSTEM

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



## PNEUMATIC PERFORMANCE

Operating voltage	24 Vdc	Free Flow	4 [l/m]
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## 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	Ø6 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