



RESPIRO AIRLESS VACUUM SYSTEM

KEY FEATURES

Fast:

- Installation
- Programming

Gripping areas:

- 2 valves
- 2 zones

Goals:

- No external air flow
- No external bracket
- Low weight
- High Payload (>10kg)

DIGITAL INTERFACES

- URCap (PolyScope ≥ 3.3)

STRENGTH POINTS

- Plug&Produce
- Integrated Tool Changer
- Free to customize your own gripper

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control integrator

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	10
Lb	Min	0	Max	22

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 Ø6 or M5
Pneumatic Interface	
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



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