

EJ-SMALL cartridges for integration

EJ-SMALL-HV-2

- Two-stage EJ-SMALL-HV-2 cartridge with extremely compact dimensions
- Can be integrated near the gripping point, lightweight
- Ideal for high speed Pick & Place applications
- Fast response times at high vacuum levels
- Suitable for handling sealed objects
- Maximum vacuum level (-92 kPa)
- Available in the cartridge-only or cartridge with holder versions

Introduction

Vacuum theory

Suction cups

Vacuum pumps

Customised solutions

Suspensions

System accessories



Technical features

Max feed pressure	0.7 MPa
Temperature range	+14 - +176 °F
Weight	0.6 ÷ 1.9 g

Suction flow rate

Feed pressure [MPa]	Air consumption [l/s]	Suction flow rate [l/s] at different vacuum levels [kPa]									Max vacuum [kPa]
		0	-10	-20	-30	-40	-50	-60	-70	-80	
0.5	0.13	0.22	0.16	0.10	0.06	0.05	0.04	0.02	0.01	0.010	-92
0.55	0.14	0.23	0.17	0.10	0.05	0.04	0.03	0.02	0.01	0.004	-91
0.6	0.15	0.23	0.16	0.08	0.05	0.04	0.03	0.02	0.01	0.005	-90

Evacuation time

Feed pressure [MPa]	Air consumption [l/s]	Evacuation time [s/l] to reach different vacuum levels [kPa]								Max vacuum [kPa]
		-10	-20	-30	-40	-50	-60	-70	-80	
0.5	0.13	0.53	1.30	2.55	4.4	6.6	9.9	16.6	36.6	-92
0.55	0.14	0.50	1.24	2.57	4.8	7.7	11.7	18.3	32.6	-91
0.6	0.15	0.51	1.35	2.88	5.1	8.0	12.1	18.6	32.1	-90

Identification codes

Drawing	Alphanumeric code	Description	Order code
A	EJ-S-HV-2	EJ-SMALL-HV-2 without holder	3300005
B	EJ-S-HV-2-H	EJ-SMALL-HV-2 with holder	3300006

