

## Bi03-2



- ▶ Two-stage COAX® cartridge - MICRO - probably the world's smallest multistage vacuum ejector.
- ▶ Vacuum level to 83 -kPa at extremely low feed pressure.
- ▶ High operational reliability in case of fluctuating or low compressed-air pressure.
- ▶ The low weight makes it suitable to integrate close to the suction point in high speed pick-and-place applications of small objects.
- ▶ Suitable for handling sealed objects.

### TECHNICAL DATA

Description	Unit	Value
Feed pressure, max.	MPa	0.7
Temperature range	°C	-10-80
Weight	g	1.5-2.3
Material		Al, NBR, PA, SS

### VACUUM FLOW

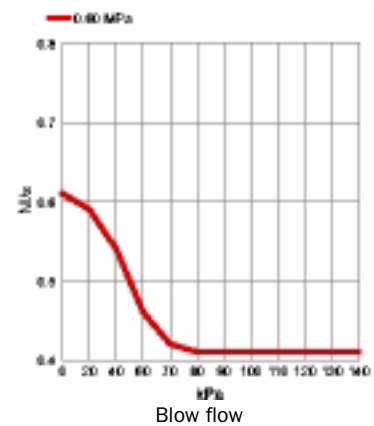
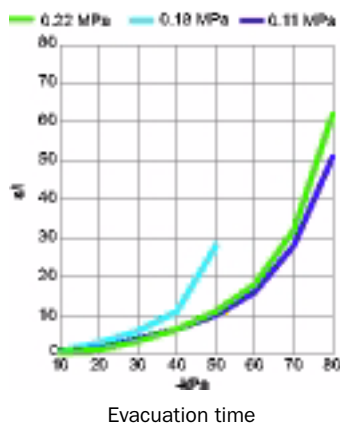
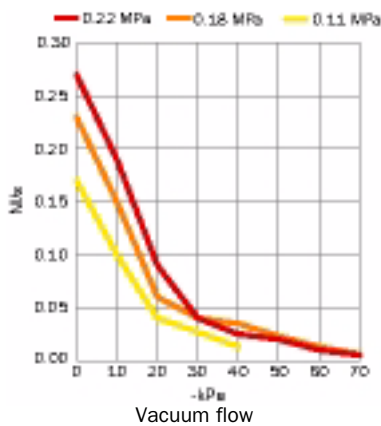
Feed pressure MPa	Air consumption NI/s	Vacuum flow (NI/s) at different vacuum levels (-kPa)								Max vacuum -kPa
		0	10	20	30	40	50	60	70	
0.11	0.10	0.17	0.10	0.040	0.027	0.013	—	—	—	50
0.18	0.14	0.23	0.15	0.060	0.040	0.035	0.023	0.013	0.0060	83
0.22	0.17	0.27	0.19	0.090	0.040	0.025	0.020	0.010	0.0050	82

### EVACUATION TIME

Feed pressure MPa	Air consumption NI/s	Evacuation time (s/l) to reach different vacuum levels (-kPa)								Max vacuum -kPa
		10	20	30	40	50	60	70	80	
0.11	0.10	0.70	2.9	5.9	11.0	28.0	—	—	—	50
0.18	0.14	0.50	1.4	3.9	6.4	10.0	16.0	28.0	51.0	83
0.22	0.17	0.40	1.1	3.3	6.4	11.0	18.0	32.0	62.0	82

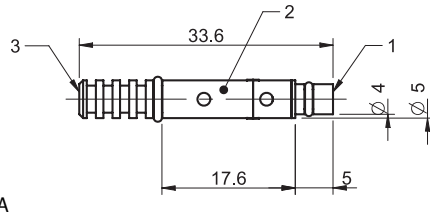
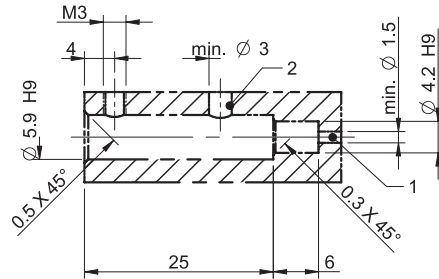
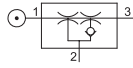
### BLOW FLOW

Feed pressure MPa	Air consumption NI/s	Blow flow (NI/s) at different pressure levels (kPa)												Max pressure kPa	
		0	20	40	60	70	80	90	100	110	120	130	140		
0.6	0.37	0.6	0.5	0.5	0.46	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	140
		1	9	4		2	1	1	1	1	1	1	1	1	

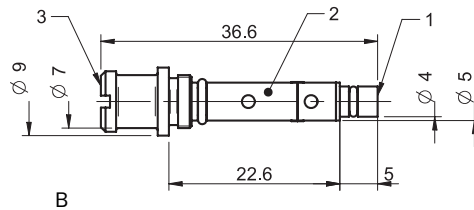
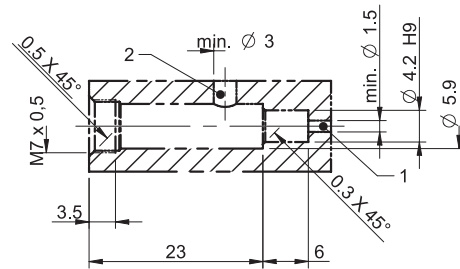
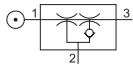


## ORDERING INFORMATION

	Description	Art. No.
A	COAX® cartridge MICRO Bi03-2	0106966
B	COAX® cartridge MICRO Bi03-2, holding cap	0106968



A



B

COAX® cartridge MICRO