

piCOMPACT10 Manifold mount



- ▶ Manifold mounted compact ejectors with COAX® patented technology.
- ▶ Reduced air-consumption with 30-50% compared to other ejector technologies.
- ▶ Easy to optimize vacuum performance with a varied selection of micro multi-stage ejectors.
- ▶ Unique low feed pressure version available, full performance from 0.18 MPa.
- ▶ Common feed port(s) for compressed air.
- ▶ Integrated supply and release valves, vacuum sensor/switch optional
- ▶ Suitable for small objects in high-speed handling, such as surface mount machines in the electronic and semi-conductor industry.

Technical data

Description	Unit	Value
Feed pressure, max.	MPa	0.7
Temperature range	°C	0-55
Material		PA, AL, NBR, SS

Technical data, weight

Description	Weight (g)*		
	No vacuum switch	with vacuum switch 1A Analog	with vacuum switch 1D, 2D Digital
Manifold mount, 2 units	170-178	234-242	284-292
Manifold mount, 3 units	242-252	341-348	416-423
Manifold mount, 4 units	319-327	447-455	547-555
Manifold mount, 5 units	394-401	554-561	679-686
Manifold mount, 6 units	468-476	660-668	810-818

*Weights vary depending on size of compressed air connector.

Technical data, noise level

COAX® cartridge	Feed pressure	Noise level**
	MPa	dBA
Bi	0.18	60-65
Si	0.6	63-68
Xi	0.5	63-66
Ti*	0.4	69-71
Ti*	0.6	69-75

*Ti cartridge is suited for sealed applications at 0.4 MPa and for leaking applications at 0.6 MPa.

**Noise level values are for a single unit.

Technical data, valves

Description	Unit	Value
		Vacuum on/off valve, V1, Blow-off/Release valve, V2
Supply voltage	VDC	24 (21.6-26.4)
Feed pressure	MPa	0.1-0.7
Power consumption	W	1
Manual override		Yes, non-locking push style
Status indicator		LED
Function		NC
Wiring		Two lead wires (300 mm), open end

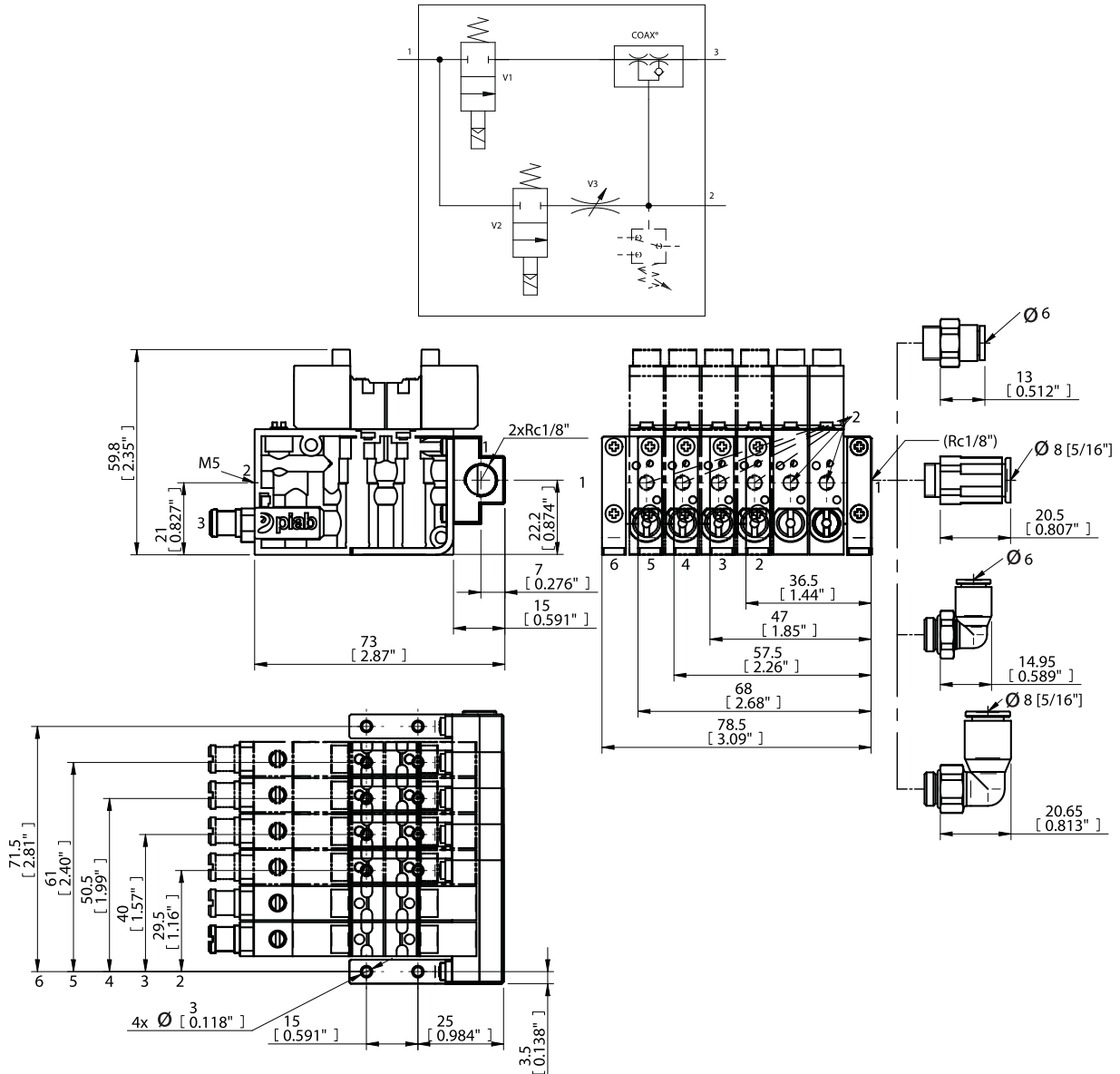
Performance tables

Depending upon choice of COAX® cartridge, performance data of the piCOMPACT10 can be found in the tables for vacuum flow and evacuation time on the piCOMPACT10 or Vacuum cartridges/integration datasheets.

Ordering information

1. COAX® cartridge module	PC10 Code
COAX® cartridge Bi03-2, low feed pressure	B
COAX® cartridge Si02-2, high vacuum flow	S
COAX® cartridge Xi2.5-2, extra vacuum	X
COAX® cartridge Ti05-2, dirt tolerant design	T
COAX® cartridge Bi03-2, ozone resistant	BO
2. Supply and release valve	PC10 Code
Solenoid valve NC	01
3. Vacuum sensing	PC10 Code
No vacuum sensing	AA
No display, analog output	1A
Display, analog & digital output PNP	1D
Display, analog & digital output NPN	2D
4. Vacuum connection	PC10 Code
M5 female threaded connection	M5
4mm (5/32") push-in connector	D4
6mm push-in connector	D6
5. Accessories (under development)	PC10 Code
No accessory	AA
6. Number of units	PC10 Code
2 units	2
3 units	3
4 units	4
5 units	5
6 units	6
7. Manifold mount	PC10 Code
Manifold mount, 2 units	02
Manifold mount, 3 units	03
Manifold mount, 4 units	04
Manifold mount, 5 units	05
Manifold mount, 6 units	06
<i>All units must be of same configuration.</i>	
8. Compressed air connection	PC10 Code
6mm push-in connector	D6
6mm angle push-in connector	D6A
8mm (5/16") push-in connector	D8
8mm (5/16") angle push-in connector	D8A
BSPT/Rc1/8" female threaded connection	T18

Example	Ordering number
COAX® Bi03-2, NC supply & release valve, analog vacuum sensor, M5 female threaded vacuum connection, no accessory, 2 units, manifold mount, 2 units, 8mm (5/16") push-in compressed air connection	PC10.B.01.1A.M5.AA.2.02.D8



For more information about fitting options on the vacuum side, please refer to piCOMPACT10 single unit dimensional drawing.

Ordering information, Accessories

Description	Art. No.
Cable 2-pin female, L=2m	0110157

If longer length cables are needed for valves, please note that (2) cables are needed for each piCOMPACT10, one for each valve.

Small

