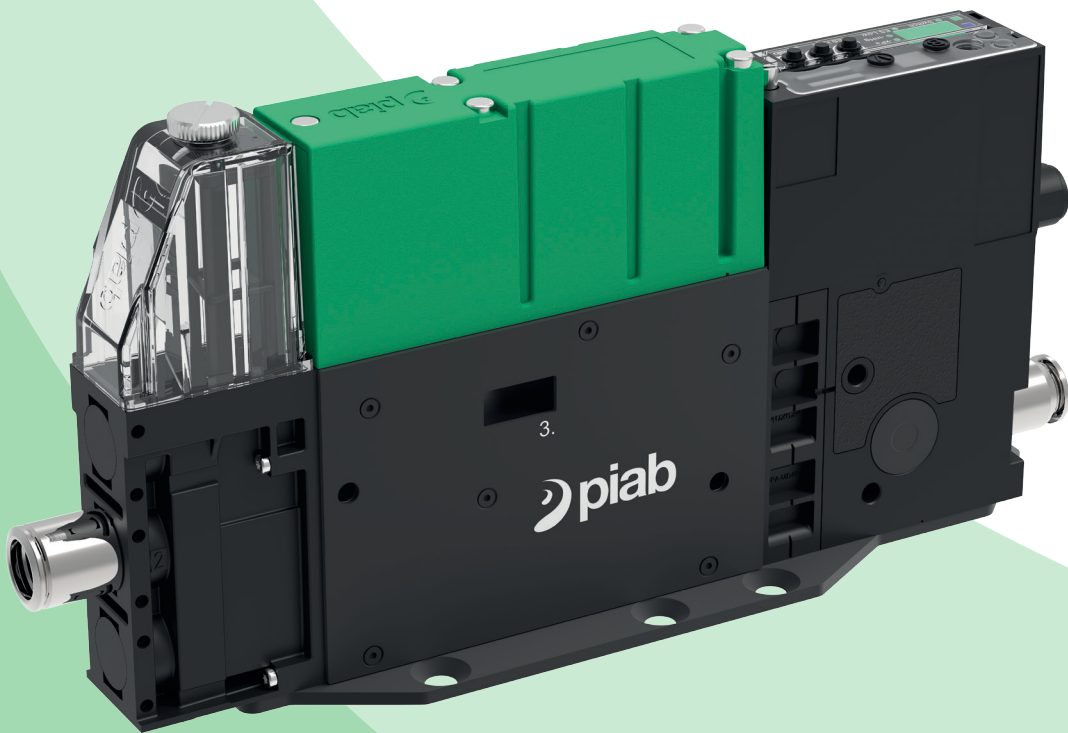




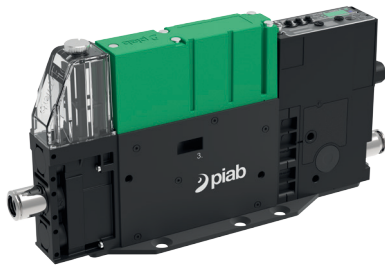
## piCOMPACT<sup>®</sup>23

Do you want to eliminate vacuum related downtime in your production?



A product that revolutionizes the market of air driven vacuum pumps!

## piCOMPACT®23



piCOMPACT®23 is the latest in a line of Piab vacuum generators that provides outstanding performance and quality. The new design increases uptime in your vacuum system to achieve more reliability!

### Flexibility

Design your own tailor made vacuum generator as piCOMPACT®23 is configurable and built to order.

Pay only for needed performance, functions and features. Avoid expensive and complex system work-around for compressed air, vacuum, exhaust and electrical connections, as all are easily chosen with several options in the configurator.

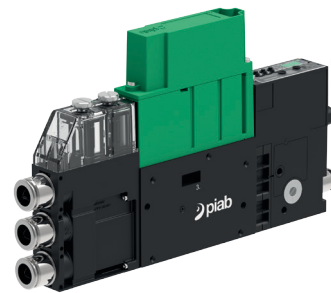
The control module has a friendly Graphical User Interface (GUI) which gives you a fast, easy installation and startup. No risk for making mistakes when setting up the unit.

### Reliability

- Tested and proven: the lifetime of all moving parts is over > 50 million cycles. MTBF for piCOMPACT®23 is 300 years\*.
- Dust proof ejector cartridge with separate flap valves.
- PWM technology for valves to reduce heat generation and enhance life time.
- Integrated compressed air and vacuum filter.

### Performance

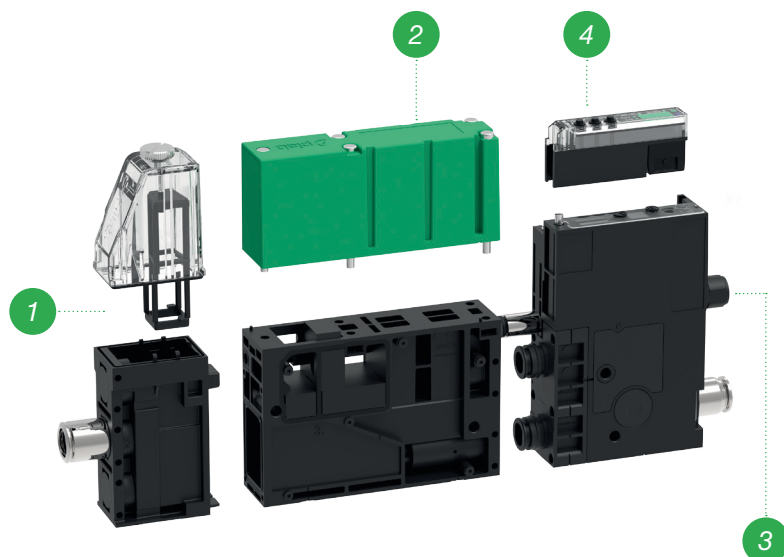
- Use the most efficient ejector technology on the market!
- Improve cycle time – piCOMPACT®23 has a faster response time and more vacuum flow than the competition with the same sized unit. Suction cups will secure a better grip, giving the possibility to handle products faster and safer.
- Reduced air-consumption as compared to conventional ejectors with 30 – 50%.
- Optional features available to reduce air-consumption up to 90% – 95%, in sealed applications.



### Configurable products

Product Group	Ejector performance						Working environment		Functionality					
	Code	Vacuum characteristics	Code	Nozzle type	Code	Capacity	Code	Chemical resistance	Code	Control functions	Code	Non-return valve	Code	Vacuum sensing
piCOMPACT® PC	F	High vacuum performance	12	SX12 (73–146 Nl/min)	1	Single	S	Standard	A	Electrical ES, vac and blow off	B	Without non-return valve	A	Display, analog and digital outputs
			42	SX42 (207–415 Nl/min)	2	Double				Electrical ES, vac and automatic blow off			B	Display, 2x digital outputs
	C	Vac and blow off								Vac and automatic blow off	A	With non-return valve	C	Display, leakage warning and digital outputs
										Vac and automatic blow off			X	No vacuum sensing
										Vacuum on/off (vac)				

\*) MTBF value applies only if the regulations regarding installation, air quality and environmental conditions, as specified in the Product Manual, have been followed.



- 1 Vacuum connector module with optional, easily cleanable, vacuum filter. Up to 3 vacuum ports can be selected.
- 2 Ejector module with 1 – 2 COAX® cartridges. Easy to disassemble. Integrated check valve towards solenoids in order to increase response time.
- 3 Control module with several valve options for supply and release. Integrated blow-flow control valve. Industry standard M12 connector.
- 4 User interface with display, keypad and optical indicators for valves and vacuum system status.

## Special features provides even more benefits

- Fully modular design makes maintenance easy and inexpensive.
- Automatic Energy Saving (ES) with valve protection (ACM) function increases reliability.
- Automatic Level Detection (ALD) for air saving (ES) allows for plug-and-play installation.
- Adjustable hysteresis on ES function gives flexibility to use Energy Saving for semi-leaking materials.
- Up to 3 vacuum connectors reduces installation costs.
- Automatic Blow-Off timer option makes it possible to use less I/O's.
- Compensation for voltage fluctuations increases reliability.
- Leakage warning signal facilitates and prevents service/maintenance.

PC . F . 121 . S . AAA . S18 . 1X . 6 . EJ . CCAB

Electrical properties					
Code	Valve configurations	Code	Electrical input/output	Code	Electrical interface
CC	NC vacuum + NC blow off	A	PNP/PNP or NPN/NPN	B	M12 8p connector(s)
FC	NC vacuum (power off - NO) + NC blow off	B	Mixed mode; PNP/NPN or NPN/PNP		
OC	NO vacuum + NC blow off				
C	NC vacuum				
O	NO vacuum				

Vacuum connect module					
Code	Filters	Code	Vacuum ports	Code	Vacuum connections
S	Vacuum filter 50 µm	1	1 vacuum port	8	ø8mm (5/16") push-in connector(s)
F	2x Vacuum filter 50 µm	2	2 vacuum ports	P1	ø10mm push-in connector(s)
X	No vacuum filter	3	3 vacuum ports	P2	ø3/8" push-in connector(s)
				P3	ø12mm push-in connector(s)
				P4	ø1/2" push-in connector(s)
				H1	12mm / 1/2" I.D. barb connector

Single unit or manifold mount			
Code	Number of channels	Code	Split control from vacuum
1	1 channel	X	No split

Air supply	
Code	Air connections
6	ø6mm push-in connector(s)
14	ø1/4" push-in connector(s)
8	ø8mm (5/16") push-in connector(s)
P1	ø10mm push-in connector(s)
P2	ø3/8" push-in connector(s)

Mounting	
Code	Ejector options
EJ	Ejector(s) for individual mounts, integrated silencer
EK	Ejector(s) for individual mounts, top mounted silencer

## AMERICAS

### ARGENTINA

Piab Argentina S.A.

25 de Mayo 1807

San Martín

AR-1650 BUENOS AIRES

Phone: +54 11 4713 8550

Fax: +54 11 4713 8552

Email: info-argentina@piab.com

### BRAZIL

Regional office South America

Piab do Brasil Ltda.

R. Capitão Joaquim da Silva Rocha, 50  
Jardim Ana Maria

BR-13208-750 JUNDIAÍ – SP

Phone: +55 11 4492 9050

Fax: +55 11 4522 4066

Email: info-brasil@piab.com

### MEXICO

Piab Mexico & Central América

65 Sharp Street

HINGHAM MA 02043 US

Phone: +1 781 337 7309

Fax: +1 781 337 6864

Email: info-mxca@piab.com

### USA/CANADA

Regional office North America

Piab USA, Inc.

65 Sharp Street

HINGHAM MA 02043 US

Phone: +1 781 337 7309

Fax: +1 781 337 6864

Email: info-usa@piab.com

## ASIA

### CHINA

Piab (Shanghai) Co., Ltd

Unit 401, Blk B1, No. 6000 Shenzhuan Rd  
Songjiang District

CN-201619 SHANGHAI

Phone: +86 21 5237 6545

Fax: +86 21 5237 6549

Email: info-china@piab.com

## INDIA

Piab Vacuum Technology Pvt. Ltd

Plot no 11/C8, 11th block,

Mugappair East,

IN-600 037 CHENNAI

Phone: +91 9444 25 36 48

Email: info-india@piab.com

## JAPAN

Piab Japan Ltd.

8-43-17 Tateishi Katsushika-ku,

JP-124-0012 TOKYO

Phone: +81 3 6662 8118

Fax: +81 3 6662 8128

Email: info-japan@piab.com

## SINGAPORE

Regional office Asia Pacific

Piab Asia Pte Ltd

4008 Ang Mo Kio Ave 10

03-16 Techplace 1

SG-569625 SINGAPORE

Phone: +65 6455 7006

Fax: +65 6455 0081

Email: info-singapore@piab.com

## SOUTH KOREA

Piab Korea Ltd

C-2402 Daelim Acrotel

KR-Kangnam-Gu 467-6

DOKOK-DONG

Phone: +82 2 3463 0751

Fax: +82 2 3463 0754

Email: info-korea@piab.com

## EUROPE

### FRANCE

Piab

Parc d'entreprises L'Esplanade

10 rue Enrico Fermi

Saint-Thibault des Vignes

FR-77462 LAGNY SUR MARNE Cedex

Phone: +33 1 6430 8267

Fax: +33 1 6430 8285

Email: info-france@piab.com

## GERMANY

Regional office Europe

Piab Vakuum GmbH

Otto-Hahn-Str. 14

DE-35510 BUTZBACH

Phone: +49 6033 7960 – 0

Fax: +49 6033 7960 – 199

Email: info-germany@piab.com

## ITALY

Piab ITALIA Srl

Via Cuniberti, 58

IT-10151 TORINO

Phone: +39 011 226 36 66

Fax: +39 011 226 21 11

Email: info-italy@piab.com

## POLAND

Piab Polska Sp. z o.o.

Ul. Astronomow 1

PL-80-299 GDANSK

Phone: +48 58 785 08 50

Fax: +48 58 785 08 51

Email: info-poland@piab.com

## SPAIN

Vacío Piab, S.L.

Avda. Pineda, 2

CASTELLDEFELS

ES-08860 BARCELONA

Phone: +34 93 6333876

Fax: +34 93 6380848

Email: info-spain@piab.com

## SWEDEN

Head office

Piab AB

Box 4501

SE-183 04 TÄBY

Phone: +46 8 630 25 00

Fax: +46 8 630 26 90

Email: info-sweden@piab.com

## UNITED KINGDOM

Piab Ltd.

Unit 7 Oaks Industrial Estate

Festival Drive

LOUGHBOROUGH LE11 5XN

Phone: +44 1509 857 010

Fax: +44 1509 857 011

Email: info-uk@piab.com

# No need to compromise



[www.piab.com](http://www.piab.com)