![piab logo]

piCOMPACT®10X Ti05-2 x2

▶ Configurable vacuum ejector based on COAX® technology with integrated controls.

▶ Optimized design for high reliability and fast cycle times.

▶ High Speed valves with adaptive PWM (Pulse Width Modulation) to reduce heat generation and further improve reliability.

▶ Slim package (10mm width) and lightweight thanks to high-performance plastic parts.

▶ Larger flow and evacuation capacity vs. the other MICRO cartridges.

▶ Dirt tolerant cartridge design.

▶ Energy Saving (ES) function.

▶ ACM - Automatic Condition Monitoring (ES mode active or not).

▶ ALD -Automatic Level Determination (ES shut-off level and Hyst).

▶ Vacuum non-return valve included.

▶ Userfriendly GUI (Graphical User interface), no risk for setting up part present signal, ES level and hysteresis wrong.

▶ Cleanable and replaceable filter element

▶ Low noise level

Technical data

Description	Unit	Value
Feed pressure, max.	MPa	0.7

Temperature range	°C	-10-50
Total weight	g	104
Material	-	PA, NBR, SS, TPE, POM, CuZn, PVC, PC, LCP
Noise level range 1-8 channels	dBA	66-78
Connection, compressed air	-	ø6 push-in connector(s)
Connection, vacuum	-	ø6 push-in connector(s)
Supply voltage	VDC	24 (21.6 – 26.4)
Electrical input/output	-	PNP
Electrical connection	-	Connector double-row, 6 pole male
Switch output 1, max	mA	100
Analog output	V	1-5

Technical data, valve module

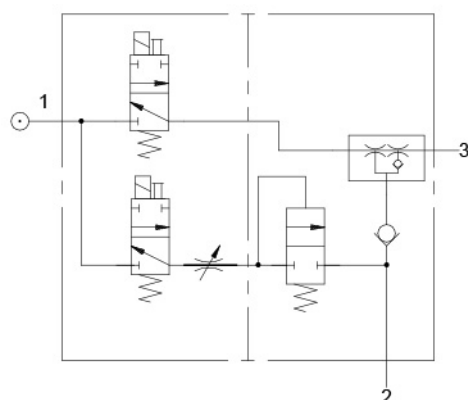| Description	Unit	Value
Current consumption	mA	100/63
Manual override	-	Yes, non-locking push style
Function, Vacuum / Blow-off	-	NC vacuum + NC blow off
Response time	ms	2.8
Pressure drop	MPa	0.03
Blow-off flow at 0.5 MPa	Nl/s	0-1.01

Vacuum flow

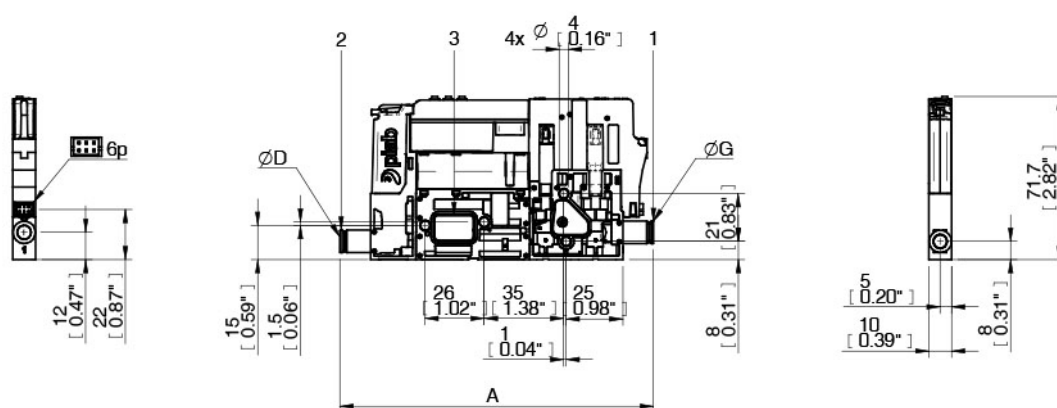| Feed pressure pump / nozzle MPa	Air Consumption per pump/nozzle Nl/s	Vacuum flow (Nl/s) at different vacuum levels (-kPa)								Max vacuum -kPa
		0	10	20	30	40	50	60	70	
0.50 / 0.40	0.46	0.53	0.48	0.37	0.27	0.18	0.13	0.090	0.046	84

Evacuation time

Feed pressure pump / nozzle MPa	Air Consumption per pump/nozzle Nl/s	Evacuation time (ms) of 5 ml to reach different vacuum levels (-kPa)									Max vacuum -kPa
		10	20	30	40	50	60	70	80	84	
0.50 / 0.40	0.46	5.9	8.4	10.6	15.8	22.3	31	43	71	101	84

Dimensional drawing

A	138.0 [5.43"]
D	ø6
G	0
N	0

Ordering information

Description	Product code
piCOMPACT®10X Ti05-2 x2 Extra high vacuum flow (micro), MICRO (14-19 Nl/min), Double, Standard, Electrical ES, vac and blow off, , , With non-return valve, Display, analog and digital output, 1 vacuum port, ø6 push-in connector(s), 1 channel, No split, ø6 push-in connector(s), Ejector(s) for individual mounts, NC vacuum + NC blow off, PNP, 6p connector(s)	PC.T.MC2.S.AAA.S16.1X.6.EI.CCP6

Ordering information, accessories

Description	Art. No.
Filter element FM10-50, 5 pcs	0201747
Cable L=2.5m, conn 6p Torsional PUR	0210398
Cable L=5m, conn 6p Torsional PUR	0210397
Cable L=0.3m, conn 6p/M12 8p male PVC	0201750
Central exhaust kit piCOMPACT®10x/piPUMP10x	0202067
Silencer kit piCOMPACT®10x/piPUMP10x	0202068
Mounting bracket	0200735

Values specified in data sheet are tested at:

- Room temperature (20ºC [68ºF] ± 3ºC [5.5ºF]).
- Standard atmosphere (101.3 [29.9 inHg] ± 1.0 kPa [0.3 inHg]).
- Relative humidity 0-100%.
- Compressed air quality, DIN ISO 8573-1 class 4.