piCLASSIC Si32-3 x2 COAX® Cartridge,

- Patented COAX® technology inside – the most energy efficient ejector technology.
- The Si cartridge offers extra vacuum flow.
- Suitable for handling porous materials or if leakage is present.
- Large capacity range, available with 1 to 6 COAX® Si32 three-stage cartridges.
- Can be easily be upgraded with more capacity if needed.
- Low-weight, configurable and modular design.
- Easy disassembly for maintenance.

General

Material	CuZn, NBR (FKM), PA, SS, Al
Noise level	66 – 77 dBA
Temperature	-10 – 80 °C
Weight, vacuum gauge	50 g
Weight	500 – 550 g
Weight, silencer	120 g

Performance

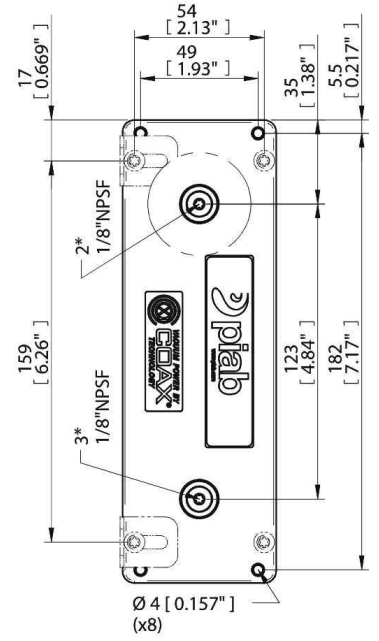| Feed pressure, max.	0.7 MPa
Feed pressure, optimum	0.6 MPa
Vacuum, max.	75 -kPa

Pneumatic data

Volume, internal	140 cm³

Vacuum flow

Feed pressure	Air consumption	Vacuum flow (Nl/s) at different vacuum levels (-kPa)								Max vacuum
MPa	Nl/s	0	10	20	30	40	50	60	70	-kPa
0.6	3.5	12	7	5.2	3.4	1.8	1.2	1	0.7	75

Evacuation time

Feed pressure	Air consumption	Evacuation time (s/l) to reach different vacuum levels (-kPa)							Max vacuum
MPa	Nl/s	10	20	30	40	50	60	70	-kPa
0.6	3.5	0.01	0.025	0.05	0.09	0.17	0.27	0.4	75

Dimensional drawings

a   b

64 [2.52"]
54 [2.13"]
11.5 [0.453"]
17 [0.669"]
42 [1.65"]
40 [1.57"]
193 [7.60"]
53 [2.09"]
159 [6.26"]
Ø 4 [0.157"] (x4)

2* 1/8"NPSF
2
3 G1"

41 [1.61"]
45 [1.77"]
118 [4.65"]
3 G1"

11 [0.433"]
21 [0.827"]
5.5 [0.217"]
6 [0.236"]
17 [0.669"]
5.5 [0.217"]
11 [0.433"]
24 [0.94"]
24 [0.945"]

54 [2.13"]
49 [1.93"]
17 [0.669"]
35 [1.38"]
5.5 [0.217"]
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123 [4.84"]
182 [7.17"]
2* 1/8"NPSF
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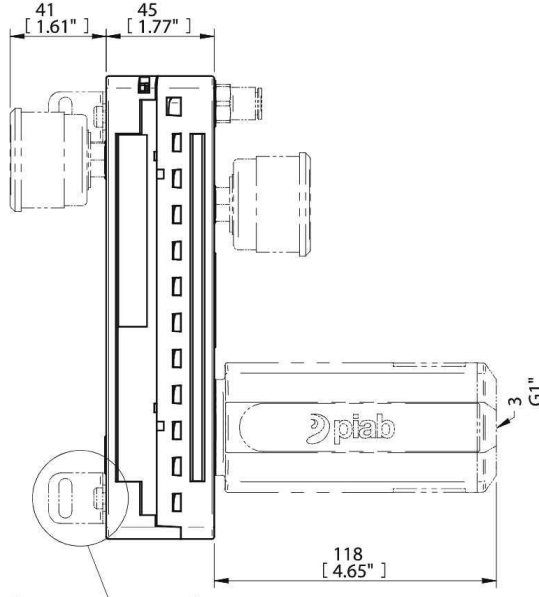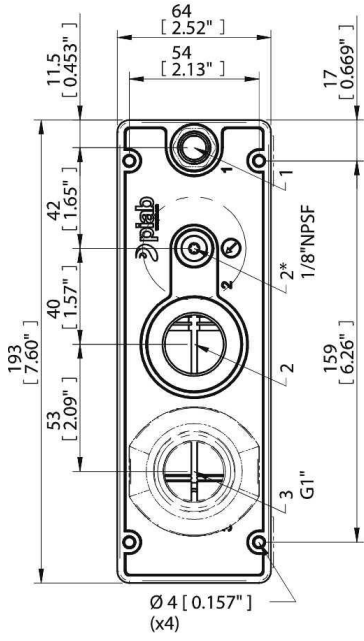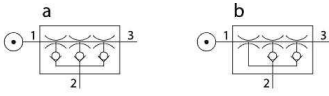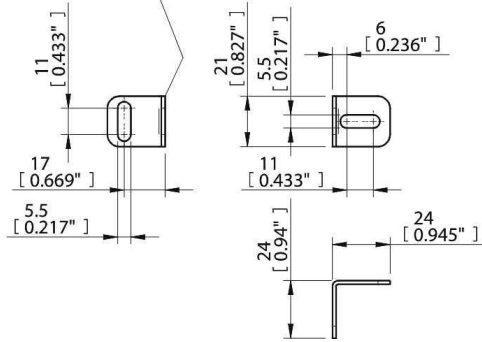
*) Sensing port

PCL.XXXX.S.	DD	
	1	2
DD	1/8" NPSF	G3/4"
AD	G1/4"	G3/4"
EE	1/4" NPT	3/4" NPT
AB	G1/4"	G1"
08D	Ø8	G3/4"
08E	Ø8	3/4" NPT
10D	Ø10	G3/4"
10E	Ø10	3/4" NPT
10B	Ø10	G1"
12B	Ø12	G1"

a

1   3

2

b

1   3

2

64
[2.52"]

54
[2.13"]

11.5
[0.453"]

17
[0.669"]

42
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40
[1.57"]

193
[7.60"]

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[2.09"]

159
[6.26"]

1

1

2*
1/8"NPSF

2

3
G1"

Ø 4 [0.157"]
(x4)

*) Sensing port

41
[1.61"]

70
[2.76"]

3
G1"

118
[4.65"]

piab

54
[2.13"]

49
[1.93"]

17
[0.669"]

35
[1.38"]

5.5
[0.217"]

159
[6.26"]

123
[4.84"]

182
[7.17"]

2*
1/8"NPSF

3*
1/8"NPSF

Ø 4 [0.157"]
(x8)

11
[0.433"]

21
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[0.217"]

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[0.433"]

5.5
[0.217"]

24
[0.94"]

24
[0.945"]
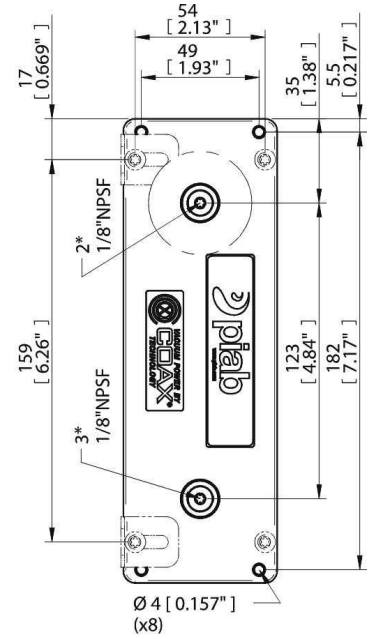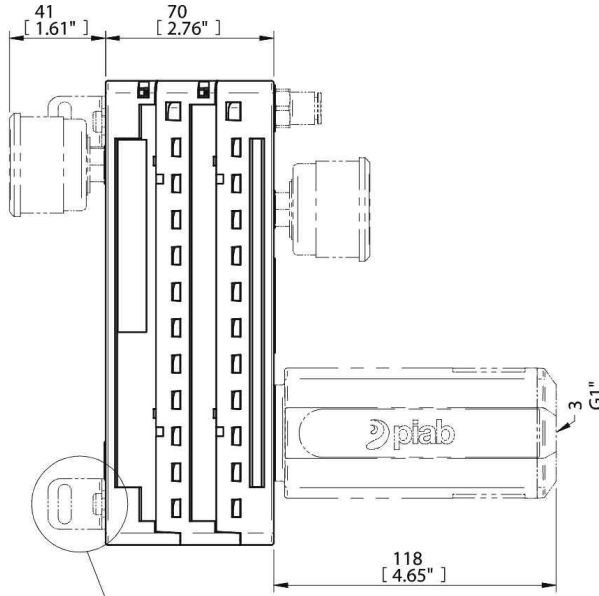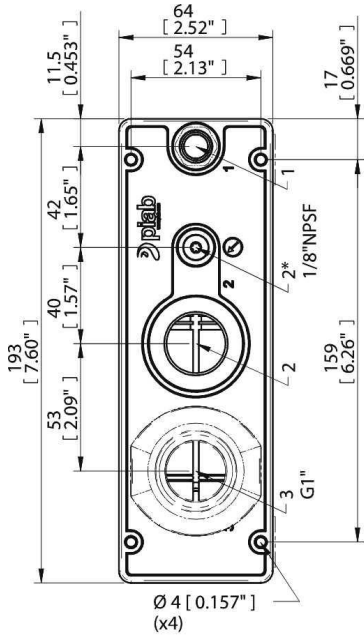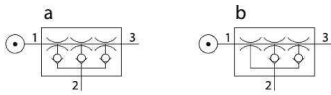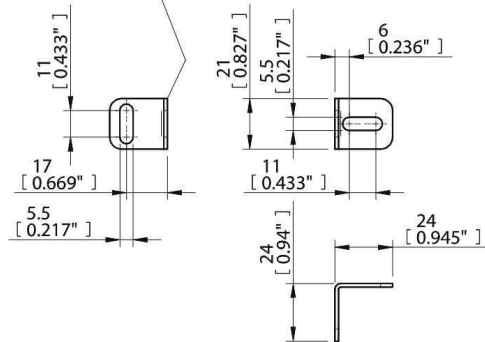
PCL.XXXX.S.   AD

	1	2
AD	G1/4"	G3/4"
EE	1/4"NPT	3/4"NPT
AB	G1/4"	G1"
08D	Ø8	G3/4"
08E	Ø8	3/4"NPT
10D	Ø10	G3/4"
10E	Ø10	3/4"NPT
10B	Ø10	G1"
12B	Ø12	G1"

a   b

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1
2* 1/8"NPSF
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3 G1"

Ø 4 [0.157"] (x4)

*) Sensing port

41 [1.61"]
95 [3.74"]
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182 [7.17"]
3* 1/8"NPSF
G1"

Ø 4 [0.157"] (x8)

PCL.XXXX.S. **AB**

	1	2
AB	G1/4"	G1"
12B	Ø12	G1"

Values specified in the data sheet are tested at:

Room temperature	(20^{0}C [68^{0}F] ± 3^{0}C [5.5^{0}F])
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