

P5010

Item number: P5010\_



- New patented COAX® push-in technology allows insertion and removal of the cartridge without tools.
- Available with a two or three-stage COAX® cartridge MIDI. Choose an Si cartridge for extra vacuum flow, a Pi cartridge for high performance at low feed pressure or an Xi cartridge when high flow and deep vacuum is needed.
- Integrated flow-through silencer that is unaffected by dust and dirt.
- Substantially lower air-consumption as compared to conventional ejectors of similar sizes.
- Slim, compact, configurable and modular design.
- Low weight.

Technical data

| Description         | Unit | Value                               |
|---------------------|------|-------------------------------------|
| Material            | -    | Al. CuZn. Nitrile (NBR). PA. PE. SS |
| Temperature, max.   | °F   | 176                                 |
| Temperature, min.   | °F   | 14                                  |
| Weight, max.        | oz   | 37.5                                |
| Weight, min.        | oz   | 8.11                                |
| Feed pressure, max. | psi  | 102                                 |
| Noise level, max.   | dBA  | 70                                  |
| Noise level, min.   | dBA  | 68                                  |

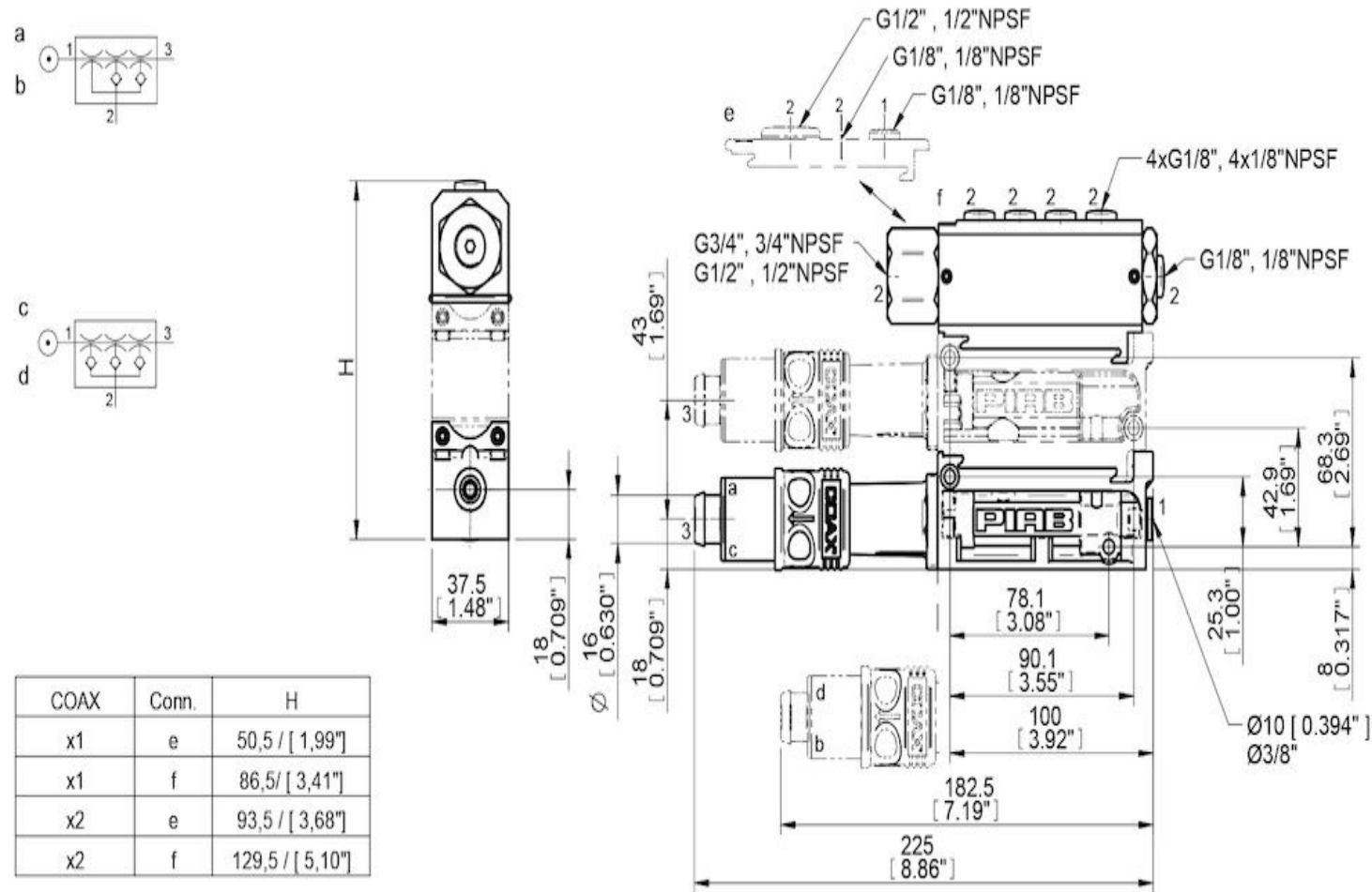
Performance

| Ejector specification | Feed pressure | Air consumption | Vacuum flow (scfm) at different vacuum levels (-inHg) |      |      |      |      |       |       |      |      |       | Max vacuum |
|-----------------------|---------------|-----------------|-------------------------------------------------------|------|------|------|------|-------|-------|------|------|-------|------------|
|                       | psi           | scfm            | 0                                                     | 2    | 5    | 8    | 11   | 14    | 17    | 20   | 26   | 29    | -inHg      |
| Pi48-2                | 43.51         | 4.24            | 5.93                                                  | 5.3  | 3.81 | 2.33 | 1.38 | 1.059 | 0.74  | 0.53 | 0.21 |       | ≥26.58     |
| Pi48-3                | 44.96         | 4.34            | 11.87                                                 | 5.3  | 3.81 | 2.33 | 1.38 | 1.059 | 0.74  | 0.53 | 0.21 |       | ≥26.58     |
| Xi40-2                | 65.27         | 3.88            | 5.93                                                  | 4.87 | 3.39 | 2.12 | 1.55 | 1.23  | 0.91  | 0.68 | 0.38 | 0.064 | ≥28.054    |
| Xi40-3                | 65.27         | 3.88            | 12.5                                                  | 6.36 | 4.24 | 2.75 | 1.55 | 1.23  | 0.91  | 0.68 | 0.38 | 0.064 | ≥28.054    |
| Si32-2                | 87.023        | 3.71            | 6.99                                                  | 6.36 | 5.51 | 3.6  | 1.91 | 1.27  | 1.059 | 0.74 |      |       | ≥22.15     |
| Si32-3                | 87.023        | 3.71            | 12.71                                                 | 7.42 | 5.51 | 3.6  | 1.91 | 1.27  | 1.059 | 0.74 |      |       | ≥22.15     |

| Ejector specification | Feed pressure<br>psi | Air consumption<br>scfm | Evacuation time (s/cf) to reach different vacuum levels (-inHg) |      |      |       |       |         |       |       |        |  | Max vacuum<br>-inHg |
|-----------------------|----------------------|-------------------------|-----------------------------------------------------------------|------|------|-------|-------|---------|-------|-------|--------|--|---------------------|
|                       |                      |                         | 2                                                               | 5    | 8    | 11    | 14    | 17      | 20    | 23    | 26     |  |                     |
| Pi48-2                | 43.51                | 4.24                    | 1.076                                                           | 2.38 | 4.33 | 7.56  | 12.49 | 19.17   | 28.6  | 44.77 |        |  | ≥26.58              |
| Pi48-3                | 44.96                | 4.34                    | 0.57                                                            | 1.7  | 3.4  | 7.079 | 12.74 | 19.82   | 28.32 | 45.31 | 113.27 |  | ≥26.58              |
| Xi40-2                | 65.27                | 3.88                    | 1.13                                                            | 2.55 | 4.81 | 7.93  | 12.46 | 17.84   | 25.49 | 36.81 | 65.13  |  | ≥28.054             |
| Xi40-3                | 65.27                | 3.88                    | 0.62                                                            | 1.76 | 3.4  | 6.23  | 10.48 | 16.14   | 23.79 | 33.98 | 62.3   |  | ≥28.054             |
| Si32-2                | 87.023               | 3.71                    | 0.85                                                            | 1.98 | 2.83 | 5.097 | 9.34  | 15.0079 | 22.65 |       |        |  | ≥22.15              |
| Si32-3                | 87.023               | 3.71                    | 0.57                                                            | 1.42 | 2.83 | 5.097 | 9.34  | 15.0079 | 22.65 |       |        |  | ≥22.15              |

| Ejector specification | Feed pressure<br>psi | Air consumption<br>scfm | Blow flow (scfm) at different pressure levels (-inHg) |        |        |        |       |        |       |      |      |       |      |      |       |      |      | Max pressure<br>-inHg |
|-----------------------|----------------------|-------------------------|-------------------------------------------------------|--------|--------|--------|-------|--------|-------|------|------|-------|------|------|-------|------|------|-----------------------|
|                       |                      |                         | 0                                                     | 2      | 5      | 8      | 11    | 14     | 17    | 20   | 23   | 26    | 29   | 32   | 35    | 38   | 41   |                       |
| Pi48-2 (Blow-off)     | 87.023               | 7.42                    | 13.031                                                | 13.031 | 13.031 | 12.82  | 12.61 | 11.63  | 10.66 | 9.51 | 9.51 | 9.51  | 9.51 | 9.51 | 9.027 | 8.48 | 7.69 | ≥                     |
| Si32-2                | 87.023               | 3.71                    | 10.7                                                  | 9.85   | 9.0053 | 8.0094 | 6.99  | 6.31   | 5.62  | 4.98 | 3.81 |       |      |      |       |      |      | ≥22.15                |
| Si32-3                | 87.023               | 3.71                    | 16.53                                                 | 13.14  | 9.75   | 8.48   | 6.99  | 6.36   | 5.72  | 4.87 | 3.81 |       |      |      |       |      |      | ≥22.15                |
| Pi48-3                | 87.023               | 7.52                    | 20.13                                                 | 16.95  | 13.77  | 13.35  | 12.71 | 12.078 | 11.23 | 9.96 | 9.75 | 9.75  | 9.54 | 9.54 | 9.11  | 8.48 | 7.84 | ≥                     |
| Xi40-2                | 87.023               | 4.94                    | 10.81                                                 | 10.38  | 9.75   | 8.48   | 7.2   | 7.098  | 6.99  | 6.57 | 5.93 | 5.085 |      |      |       |      |      | ≥                     |
| Xi40-3                | 87.023               | 4.94                    | 17.8                                                  | 14.41  | 10.81  | 9.54   | 8.31  | 7.73   | 7.18  | 6.84 | 6.25 | 5.47  |      |      |       |      |      | ≥                     |

Dimensional drawings



Values specified in this datasheet are tested at (unless otherwise stated):

- Room temperature (20°C [68°F] ± 3°C [5.5°F]).
- Standard atmosphere (101.3 [29.9 inHg] ± 1.0 kPa [0.3 inHg]).
- Compressed air quality, DIN ISO 8573-1 class 4.

Tolerance and accuracy:

- Feed pressure tolerance ±0.02 MPa [2.9 psi]
- Vacuum flow/evacuation time accuracy ±10%.