

# COAX® cartridge MINI Pi12-3, holding cap silencer, vacuum filter

Article number: 0104265



- Three-stage COAX® cartridge - MINI - with high initial vacuum flow.
- Includes a flow-through silencer and a built-in vacuum filter for harsh environments.
- Vacuum level to 90 -kPa at low feed pressure.
- High system reliability in case of fluctuating or low feed pressure.
- Suitable for handling sealed objects with high pick-up speed.

## Technical data

| Description         | Unit | Value                     |
|---------------------|------|---------------------------|
| Material            | -    | Nitrile (NBR), PA, PP, SS |
| Temperature, max.   | °C   | 80                        |
| Temperature, min.   | °C   | -10                       |
| Weight, min.        | g    | 12.5                      |
| Feed pressure, max. | MPa  | 0.7                       |

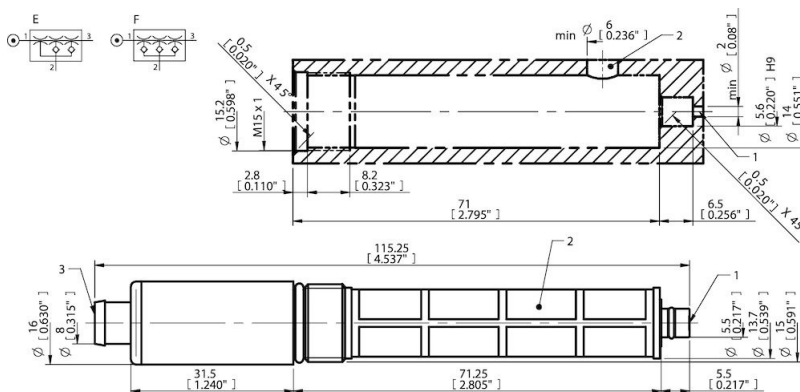
## Performance

| Feed pressure<br>MPa | Air consumption<br>NI/s | Vacuum flow (NI/s) at different vacuum levels (-kPa) |      |      |      |      |      |      |      |    |      |    |    | Max vacuum<br>kPa |    |     |
|----------------------|-------------------------|--|------|------|------|------|------|------|------|----|------|----|----|-------------------|----|-----|
|                      |                         | 0  | 10   | 20   | 30   | 40   | 50   | 60   | 70   | 75 | 80   | 90 | 95 |                   | 99 |     |
| 0.17                 | 0.29                    | 0.9  | 0.4  | 0.22 | 0.15 | 0.07 | 0    | 0    | 0    | 0  | 0    | 0  | 0  | 0                 | 0  | ≥49 |
| 0.22                 | 0.34                    | 1.1  | 0.48 | 0.29 | 0.2  | 0.14 | 0.08 | 0.02 | 0    | 0  | 0    | 0  | 0  | 0                 | 0  | ≥64 |
| 0.32                 | 0.44                    | 1.4  | 0.6  | 0.44 | 0.27 | 0.19 | 0.14 | 0.1  | 0.06 | 0  | 0.03 | 0  | 0  | 0                 | 0  | ≥90 |
| 0.4                  | 0.53                    | 1.4  | 0.7  | 0.52 | 0.39 | 0.24 | 0.12 | 0.1  | 0.06 | 0  | 0.02 | 0  | 0  | 0                 | 0  | ≥84 |

| Feed pressure<br>MPa | Air consumption<br>NI/s | Evacuation time (s/l) to reach different vacuum levels (-kPa) |      |      |      |     |     |     |     |    |    |    |      | Max vacuum<br>kPa |       |     |
|----------------------|-------------------------|---|------|------|------|-----|-----|-----|-----|----|----|----|------|-------------------|-------|-----|
|                      |                         | 10  | 20   | 30   | 40   | 50  | 60  | 70  | 80  | 90 | 95 | 99 | 99.5 |                   | 100.3 |     |
| 0.17                 | 0.29                    | 0.15  | 0.46 | 1    | 2    | 0   | 0   | 0   | 0   | 0  | 0  | 0  | 0    | 0                 | 0     | ≥49 |
| 0.22                 | 0.34                    | 0.1   | 0.32 | 0.75 | 1.4  | 2.2 | 2.9 | 0   | 0   | 0  | 0  | 0  | 0    | 0                 | 0     | ≥64 |
| 0.32                 | 0.44                    | 0.08  | 0.23 | 0.49 | 1    | 1.7 | 2.6 | 3.9 | 6.3 | 0  | 0  | 0  | 0    | 0                 | 0     | ≥90 |
| 0.4                  | 0.53                    | 0.09  | 0.24 | 0.45 | 0.76 | 1.4 | 2.4 | 3.7 | 7   | 0  | 0  | 0  | 0    | 0                 | 0     | ≥84 |

| Feed pressure<br>MPa | Air consumption<br>NI/s | Blow flow (NI/s) at different pressure levels (-kPa) |       |     |       |      |       |      |      |      |      |      |     |      |      | Max pressure<br>kPa |     |
|----------------------|-------------------------|--|-------|-----|-------|------|-------|------|------|------|------|------|-----|------|------|---------------------|-----|
|                      |                         | 0  | 10    | 20  | 30    | 40   | 50    | 60   | 70   | 80   | 90   | 100  | 110 | 120  | 130  |                     | 140 |
| 0.6                  | 0.75                    | 1.87   | 1.635 | 1.4 | 1.365 | 1.33 | 1.225 | 1.12 | 1.03 | 1.03 | 1.03 | 1.03 | 1   | 0.95 | 0.86 | 0.79                | ≥0  |

## Dimensional drawings



Values specified in this data sheet 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.

**Accessories**

0106344 | Exhaust adapter

0111977 | Silencer COAX® MINI