



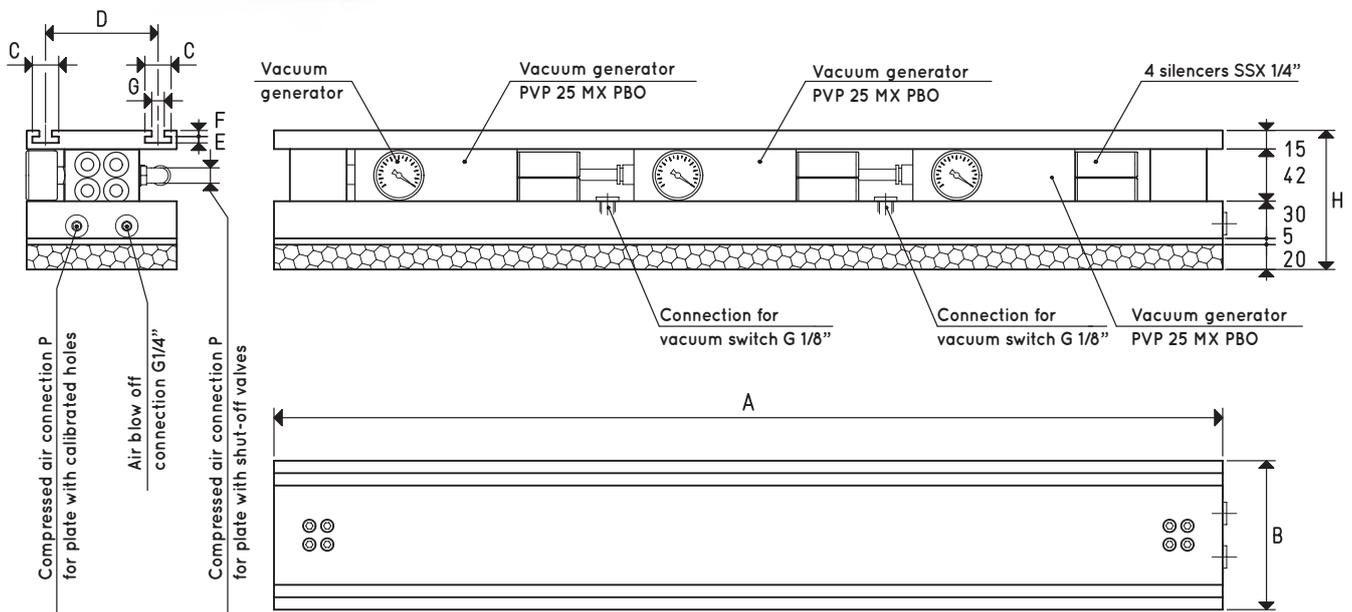
OCTOPUS VACUUM GRIPPING BARS

The OCTOPUS gripping bar is a vacuum gripping device equipped with two or more compressed air-fed vacuum generators (included in the item code).

It is composed of:

- Main body in anodised aluminium;
- Anodised aluminium suction plate with evenly spaced calibrated holes and covered with perforated foam rubber, which ensures adaptability to smooth, rough or uneven surfaces;
- Two or more vacuum generators equipped with vacuum gauge and exhaust silencers;
- Two quick couplings for pneumatic supply and blow off;
- A grooved bar to facilitate fastening to the automation.

OCTOPUS gripping bars can be supplied upon request in dimensions and with suction plates and vacuum generators other than those indicated in the table.



| Item | | BO 12 100 X | BO 08 120 X | BO 12 120 X | BO 12 140 X |
|--|--------|-------------------|-------------------|-------------------|-------------------|
| Suction plate | item | PX 12 100 | PX 08 120 | PX 12 120 | PX 12 140 |
| Gripping force | Kg | 72.2 | 64.7 | 86.2 | 100.3 |
| Vacuum generators (integrated) | item | N°3 PVP 25 MX PBO | N°3 PVP 25 MX PBO | N°3 PVP 25 MX PBO | N°4 PVP 25 MX PBO |
| Maximum supply pressure | bar | 6 | 6 | 6 | 6 |
| Maximum level of vacuum | -KPa | 90 | 90 | 90 | 90 |
| Air consumption at 6 bar | Nl/s | 9.6 | 9.6 | 9.6 | 12.8 |
| Intake air flow rate | m³/h | 93 | 93 | 93 | 124 |
| Temperature of use | °C | -20 / +80 | -20 / +80 | -20 / +80 | -20 / +80 |
| Weight (including vacuum generator/s) | Kg | 14.5 | 13 | 17.4 | 20.8 |
| A | | 1000 | 1200 | 1200 | 1400 |
| B | | 120 | 80 | 120 | 120 |
| C | | 21 | 21 | 21 | 21 |
| D | | 90 | 50 | 90 | 90 |
| E | | 5.2 | 5.2 | 5.2 | 5.2 |
| F | | 4.8 | 4.8 | 4.8 | 4.8 |
| G | | 10 | 10 | 10 | 10 |
| H | | 112 | 112 | 112 | 112 |
| P Connection for compressed air tube | Ø ext. | 8 | 8 | 8 | 8 |

NOTE: The code BO ... X identifies the body of the OCTOPUS bar with relative suction plate PX, the grooved support plate and the vacuum generators indicated in the table.

Add the letters CD to the item for an Octopus bar supplied without vacuum generators and with closing plates with distributor item 00 BO 07 assembled (Example: BO 12 100 X CD).

NOTE: All vacuum values indicated in the table are valid at the normal atmospheric pressure of 1013 mbar and obtained with a constant supply pressure.

Vacuum generator supply must be carried out with non-lubricated compressed air, 5 micron filtration, in accordance with standard ISO 8573-1 class 4.

Transformation ratio: N (newton) = Kg x 9.81 (force of gravity)

inch = $\frac{\text{mm}}{25.4}$; pounds = $\frac{\text{g}}{453.6} = \frac{\text{Kg}}{0.4536}$