OCTOPUS VACUUM GRIPPING BARS

OCTOPUS vacuum gripping bars are our answer to the ever increasing requirements of palletisation robots operational flexibility.
They are composed of:
- A slotted fixing plate, to allow a quick installation onto the machine and an easy placement with respect to the load to be lifted;
- Two or three compressed air-fed vacuum generators, according to their size;
- A box made with light alloy, sealed by a suction plate coated with special perforated foam rubber.
The suction plate perfectly adapts itself to any surface, either smooth, rough or uneven.
These bars allow gripping objects of any shape and feature, provided that they do not have an excessive transpiration, without having to change or place vacuum cups and even when their surface does not occupy the entire suction plate. The maximum weight of the load to be lifted will obviously be proportional with the gripping surface.
The connections provided for are four: one provided with quick coupler, for supplying compressed air to the vacuum generator; one for the possible installation of a vacuum switch, and two, closed by a threaded cap, for the air inlet inside the OCTOPUS bar in the discharge phase, for a prompt restoration of the atmospheric pressure.
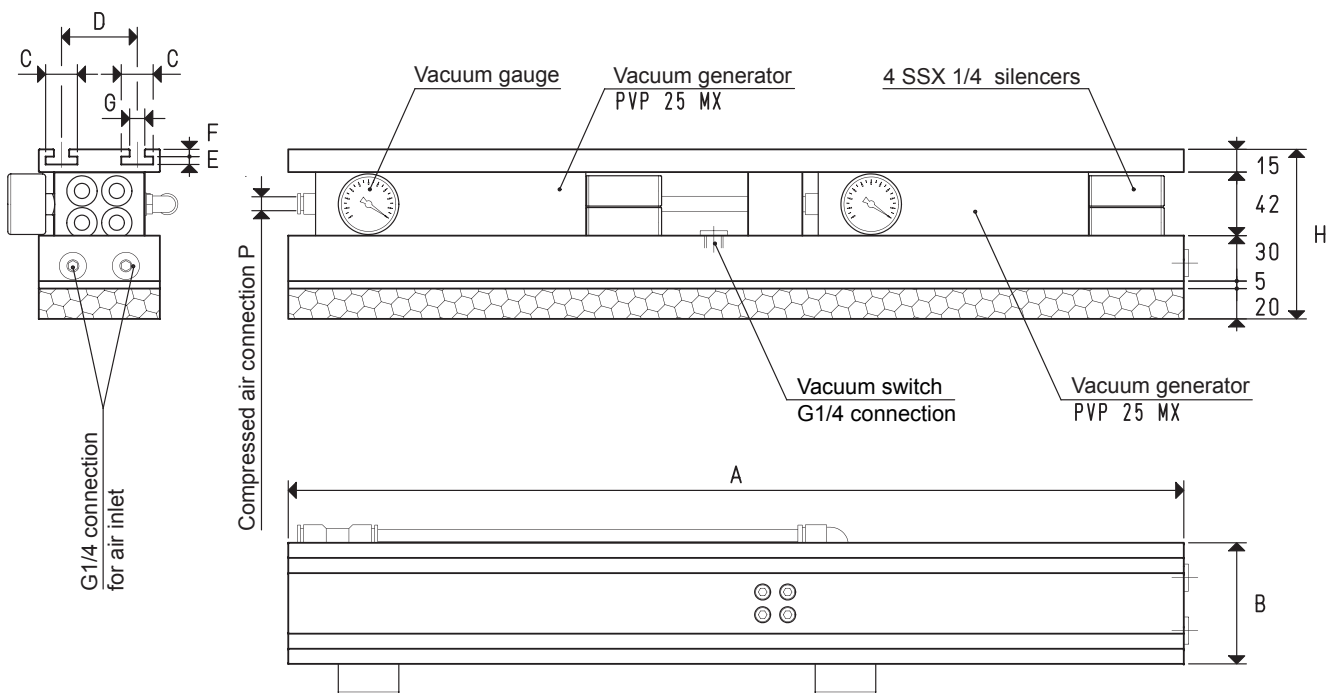
Art.		BO 08 60 X	BO 08 80 X
Suction plate	art.	PX 08 60	PX 08 80
Gripping force	Kg	31.7	42.2
N° 2 vacuum generators	art.	PVP 25 MX	PVP 25 MX
Max. supply pressure	bar (g)	6	6
Max. vacuum level	-KPa	90	90
Air consumption at 6 bar (g)	Nl/s	6.4	6.4
Quantity of sucked air	cum/h	62	62
Working temperature	°C	-20 / +80	-20 / +80
Weight	Kg	6	8
A		600	800
B		80	80
C		21	21
D		50	50
E		5.2	5.2
F		4.8	4.8
G		10	10
H		112	112
P	Compressed air pipe connection	ext. Ø	8	8

Note: The code BO 08 .. X, identifies the OCTOPUS **bar (g)** base box with the associated suction plate PX, the slotted support plate and the vacuum generators indicated in the table.
All the values shown in the table are valid at a normal atmospheric pressure of 1013 mbar and obtained with a constant supply pressure.

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

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