[Adjustable vacuum generators Conveyor]

OPERATING PRINCIPLE

The operation of these vacuum generators is based on the Venturi principle.

Unlike those previously described, the ejector they are provided with, besides having a far higher flow diameter, is also adjustable.

This feature allows to modify capacity and vacuum degree of the device, without changing the pressure degree of the feeding air.

Also the compressed air consumptions are in relation with the actual performances of the vacuum generator.

FEATURES

The particular configuration of the adjustable vacuum generators and their operating principle with straight flow allow to suck and transfer products of different kind, without interferences, like the flow generators; however, unlike the latter ones, they can pass far bigger differences in height.

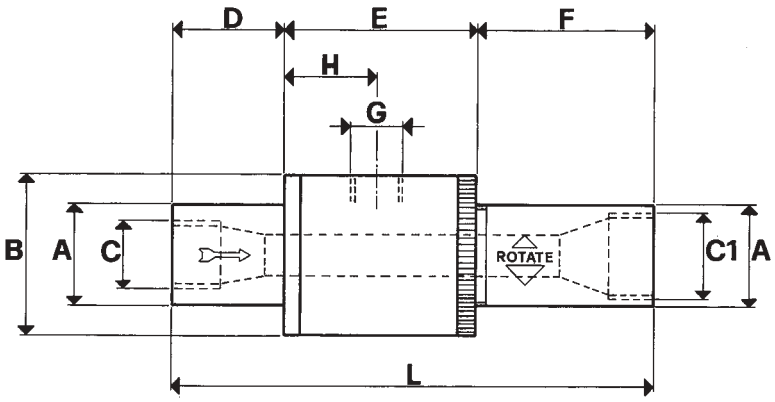
They are suitable for transferring powders, granulated products, sawdust, corn, metal chips, liquid or dry foodstuffs, etc.; for interlocking cups in the presence of powders or liquids; or for extracting fumes, refrigerating fogs, water or oil condensates, etc.

The absence of moving parts allows continuous use without heat development.

As no electric current is required, they can also be used in hazardous environments where an ignition source would be dangerous.

They are entirely manufactured in anodized anticorodal aluminium.

Due to their features, a good filtration of the feeding compressed air is sufficient, in order to avoid any kind of maintenance.



Conveyor	Art.	PVR 25	PVR 50	PVR 100	PVR 200
Supply pressure	bar (g)	6	6	6	6
Maximum vacuum level	-KPa	75	75	75	75
Final pressure	mbar (a)	250	250	250	250
Air consumption	Nl/s	6.6	13.2	20.7	42.4
Vacuum air flow	cum/h	25	50	100	200
Working temperature	°C	-20/+80	-20/+80	-20/+80	-20/+80
Weight	Kg	0.150	0.280	0.430	0.550
A	ø	19	26	32	38
B	ø	32	38	50	57
C	ø gas	1/4"	3/8"	1/2"	3/4"
C1	ø gas	1/4"	1/2"	3/4"	1"
D		19	35	35	35
E		47	54	60	60
F		34	61	55	77
G	ø gas	1/8"	1/4"	3/8"	1/2"
H		22	25	28	28
L		100	150	150	172

N.B.: All the vacuum values shown in the table are valid at normal atmospheric pressure of 1013 mbar (a) and obtained with a constant supply pressure.