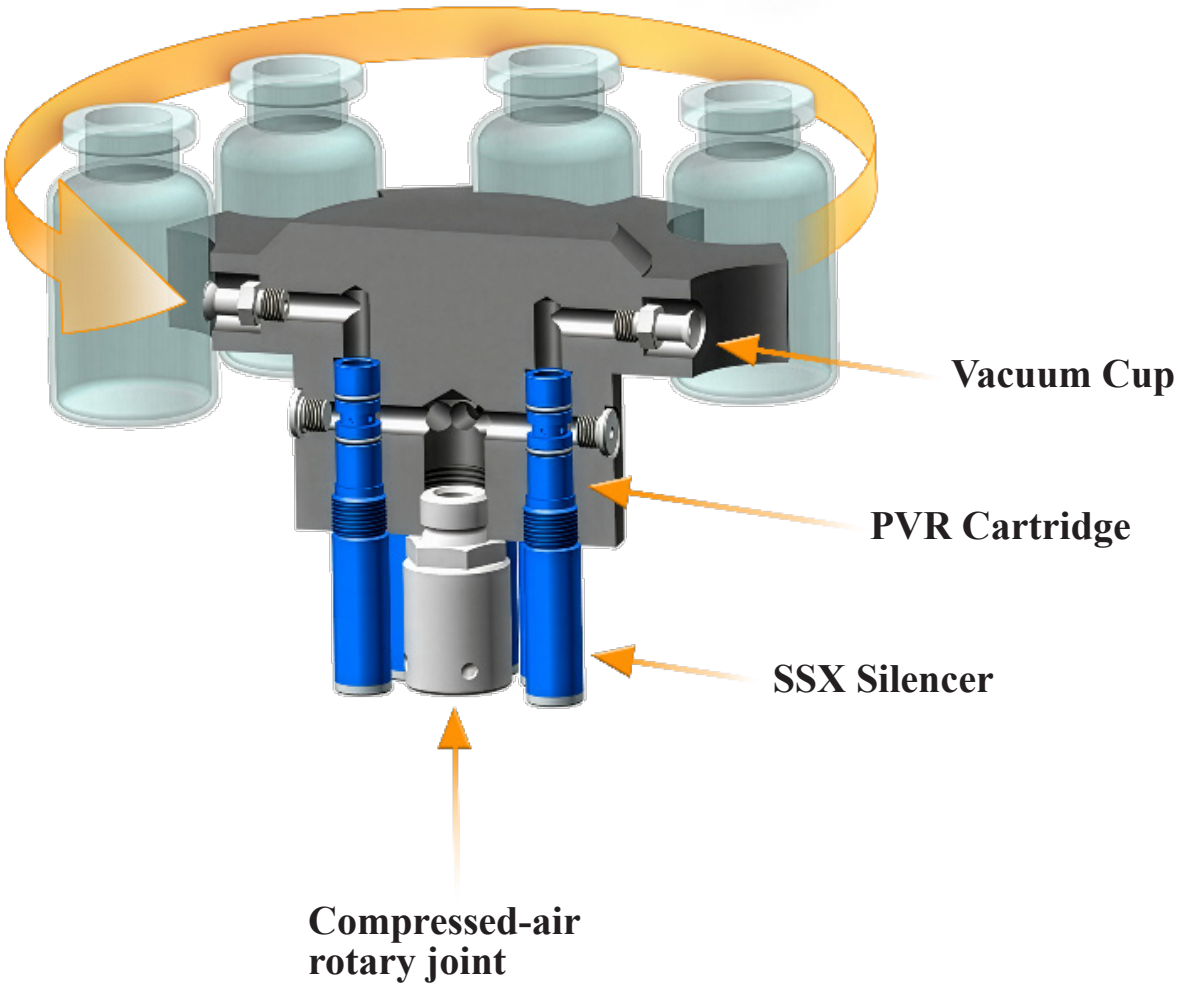
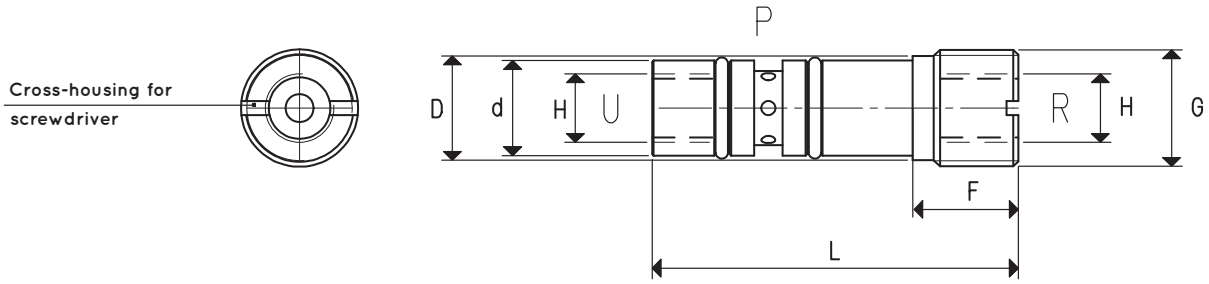
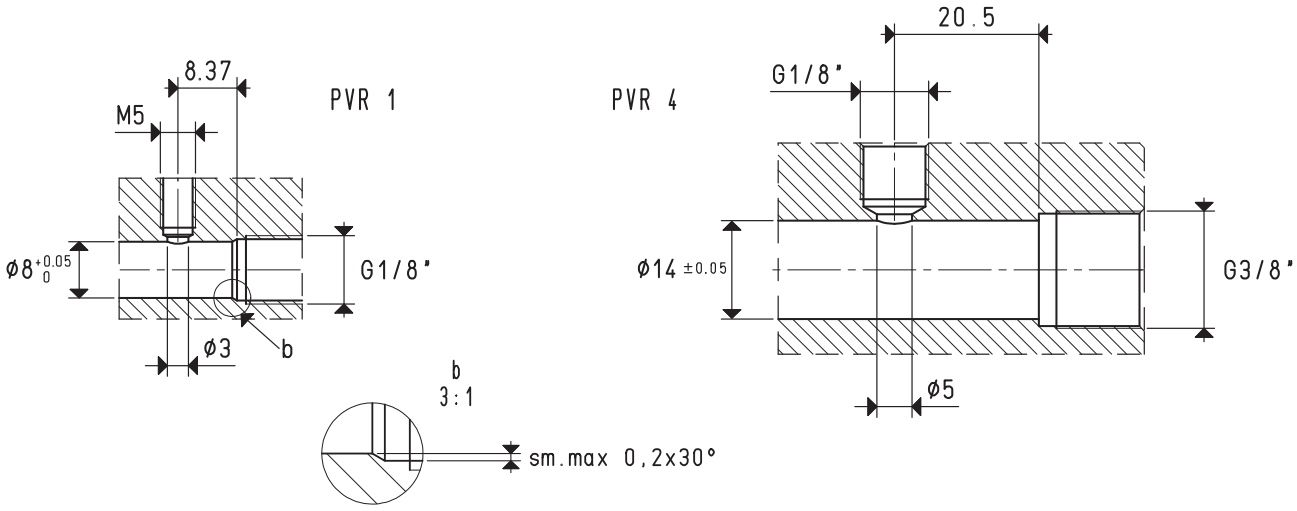
CARTRIDGE VACUUM GENERATORS PVR 1 and PVR 4

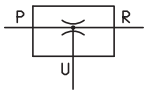
These small cartridge vacuum generators can be integrated directly into the gripping elements of packaging machines.
The maximum yield is offered at low compressed air pressures of 2-3 bar, providing levels of vacuums up to -72 KPa and flow rates between 1 and 4 m^3/h.
Their particular shape permits the suction of dust or small processing residues, without creating clogging problems.
They are made as standard in anodised aluminium but can also be supplied in stainless steel, upon request.





CREATION OF HOUSING FOR CARTRIDGE INSERTION





P=COMPRESSED AIR CONNECTION R=EXHAUST U=VACUUM CONNECTION

Item		PVR 1			PVR 4	
Intake air flow rate	m^3/h	0.6	0.8	0.9	2.7	3.3
Maximum level of vacuum	-KPa	19	41	60	30	72
Final pressure	abs. mbar	810	590	400	700	280
Supply pressure	bar	1	2	3	1	2.5
Air consumption	Nl/s	0.3	0.5	0.6	1.7	2.9
Temperature of use	°C			-10 / +80		-10 / +80
Noise level	dB(A)			68		80
Weight	g			4		16
d	Ø			7.8		13.5
D	Ø			8.7		14.8
L				26		52
F				9.3		15
G	Ø			G1/8"		G3/8"
H	Ø			M5		G1/8"

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.
Add the letter I, to the item for a generator supplied in stainless steel (Example: PVR 4 I).
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 = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

Adapters for GAS - NPT threading available on page 1.134