



# SUCTION UNITS WITH SYPHON FILTER GA FS 5 and GA FS 10

3D drawings are available on [vuototecnica.net](http://vuototecnica.net)

These suction units with syphon filter allow sucking fluids saturated with condensation or mixed with water and liquids. They share all the best technical features of syphon filters and vacuum generators. In fact, they keep liquids and solid impurities, while the vacuum generator can suck fluids saturated with vapours or liquid condensation without compromising its performance. These devices are composed of:

- A standard syphon filter described in Chapter 5;
- A compressed air-fed multi-stage vacuum generator;
- A pneumatic vacuum switch for adjusting the level of vacuum;
- A vacuum gauge for a direct reading of the level of vacuum in the container;
- A pneumatic valve for supplying the vacuum generator operated by the vacuum switch;
- A sleeve valve for compressed air interception.

The level of vacuum, preset with the vacuum switch, is automatically maintained in the Plexiglass container. These suction units with syphon filter are suited for vacuum cup clamping systems for gripping glass, marble, granite, light alloys and in all those cases with a considerable presence of refrigerating liquids.

They are also recommended for suctioning creamy or muddy substances which can be difficult to handle with traditional pumps.

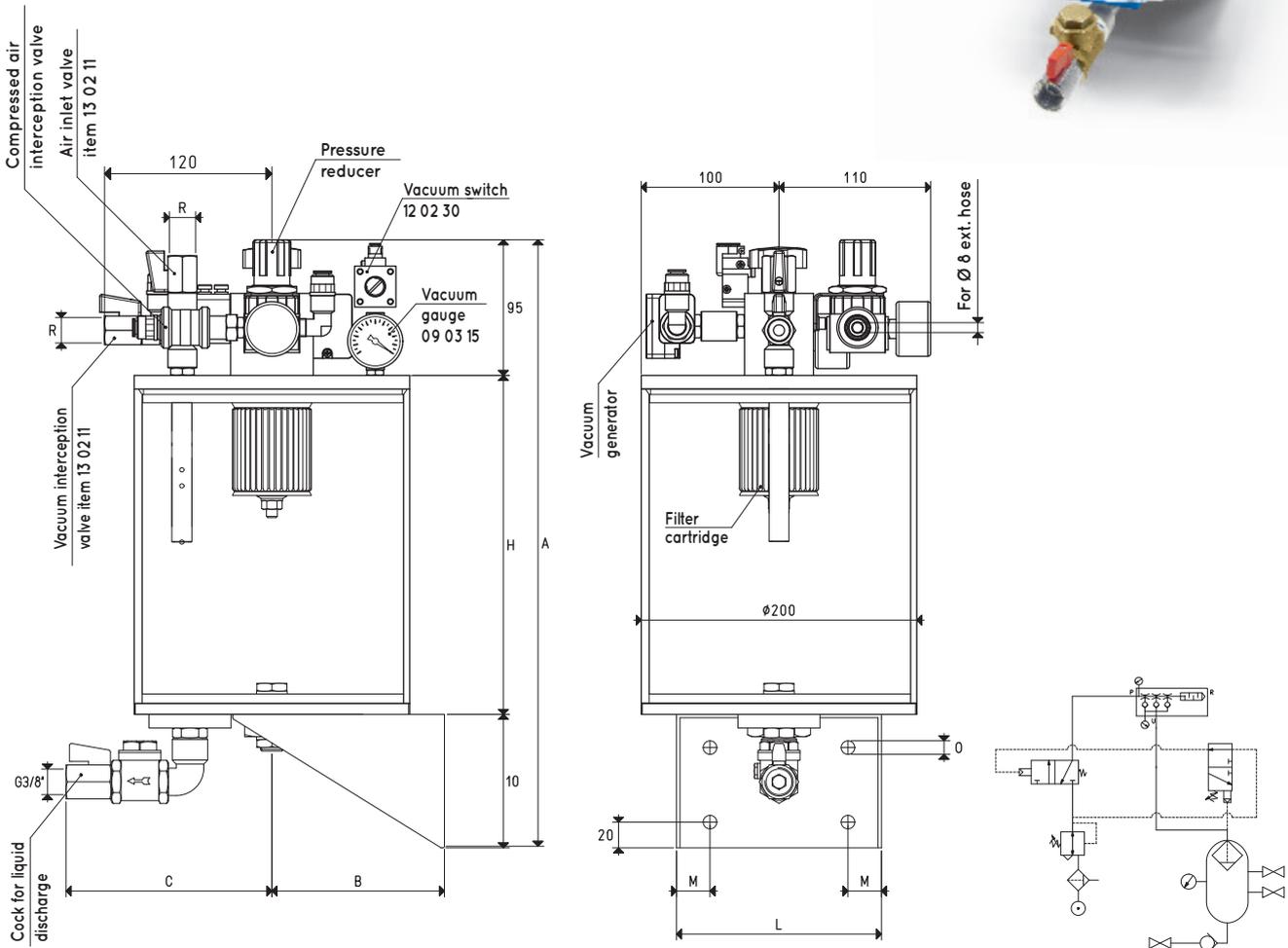
These suction assemblies are fed by compressed air at a pressure of 4-6 bar only. Available in other versions upon request.

### Technical features

Operating pressure: from 0.5 to 1000 absolute mbar

Fluid temperature: from -5 to +50°C

Level of filtration: 60 μ



Item	A	B	C	H	L	M	O Ø	R Ø	Vacuum generator item	Capacity L	Weight Kg
<b>GA FS 5</b>	445	130	175	250	150	25	10	G3/8"	M14	6.0	6.0
<b>GA FS 10</b>	535	130	175	340	150	25	10	G3/8"	M14	8.5	6.5

NOTE: 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 =  $\frac{\text{g}}{453.6} = \frac{\text{Kg}}{0.4536}$