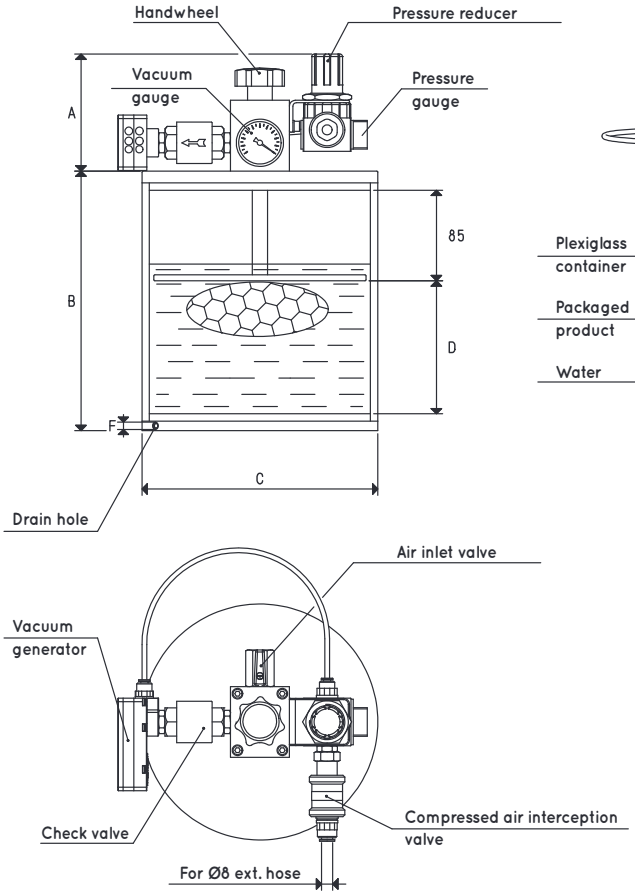
EQUIPMENT FOR VACUUM TESTS



The function of these devices is to test the welding sealing in flow-pack, cellophane or food product wrappings.
They are composed of:
- A transparent Plexiglass cylindrical container into which the water is poured and the vacuum is created.
- A mobile transparent Plexiglass lid with, on its lower part, a perforated disc fixed via a pin which is for keeping the flow-pack wrapping submerged in the water, in the container and on its upper part, the instruments for managing and controlling the vacuum.
- A multiple ejector multi-stage vacuum generator.
- A check valve located on the generator suction inlet to prevent the air from returning into the container when the generator is not in operation.
- A sleeve valve for compressed air interception.
- A supply compressed air reducer equipped with pressure gauge.
- A 2-way manual valve for restoring the atmospheric pressure inside the container.

The wrapping submerged in the water in the container tends to inflate because of the pressure differential produced between the air at atmospheric pressure on its inside and the vacuum created in the container.
The higher the level of vacuum reached in the bell jar and the greater the thrust that the air contained in the wrapping will exert on the walls and, therefore, on the weldings.
Any air leak from the wrapping due to a defecting welding is proved by bubbles that indicate the exact point of the welding that's leaking.
The level of vacuum that can be reached inside the bell jar depends on the pump installed.
The test values are adjustable and can be automatically repeated.
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	Capacity L	A	B	C Ø	D	E Ø	F Ø	Generator item	Vacuum gauge item	Weight Kg
ATP 02	6.0	100	220	200	100	190	- - -	M10	09 03 15	5.0
ATP 03	26.0	100	250	457	116	433	G1/4"	M14	09 03 15	18.0
ATP 04	56.0	100	450	457	280	433	G1/4"	M18	09 03 15	25.0

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**.
The vacuum gauges installed can be supplied with an Accredia calibration certificate.

Transformation ratio: N (newton) = Kg x 9.81 (force of gravity) inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$