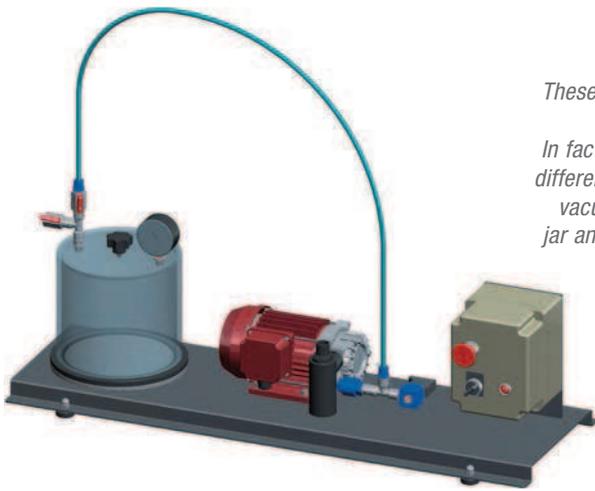


SWITCHGEARS FOR VACUUM TESTS



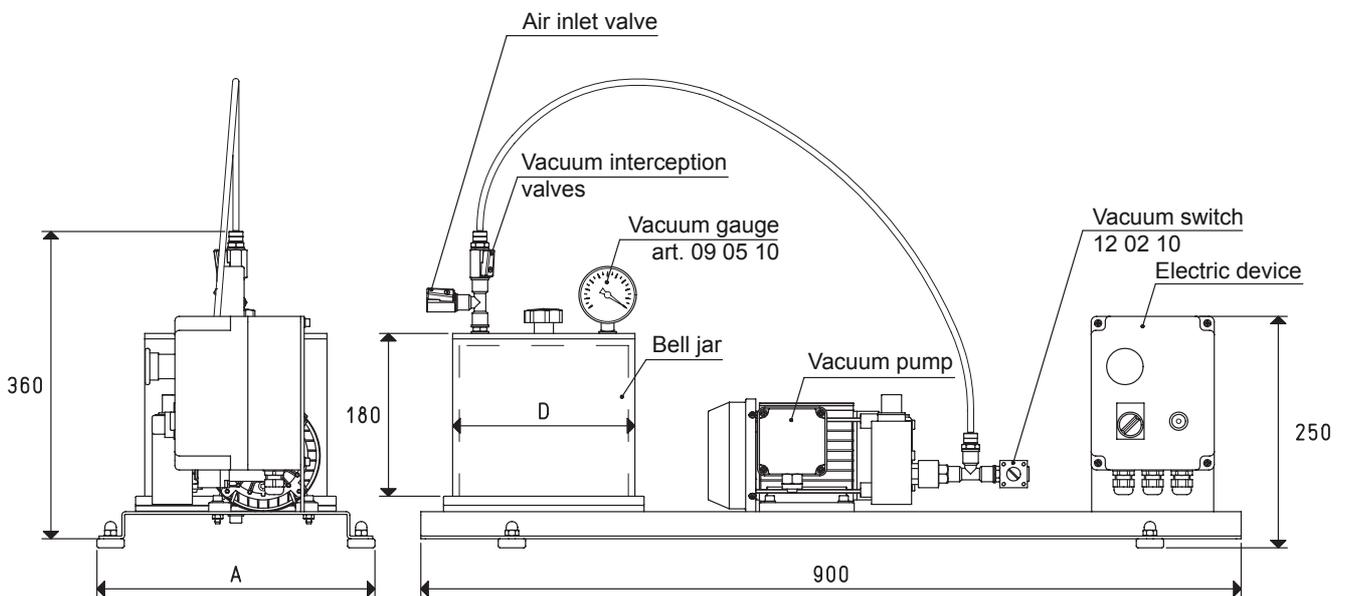
These devices have been created for testing the weldings and, therefore, the sealing of cellophane or PVC wrappings for food products. In fact, the wrapping placed inside a bell jar tends to inflate because of the pressure differential created between the air at atmospheric pressure contained inside and the vacuum created inside the bell jar. The higher the vacuum level 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.

The devices for vacuum tests are composed of:

- A mobile transparent plexiglas bell jar.
 - A support surface with seal.
 - A dry rotating vane vacuum pump.
 - Two 2-way manual valves for vacuum interception.
 - A vacuum gauge for a direct reading of the vacuum level.
 - A mini vacuum switch for vacuum level adjustment.
 - A switchgear enclosed in a special protective casing.
- A bent sheet steel frame with anti-vibration feet for assembling all the components.

The vacuum level that can be reached inside the bell jar depends on the pump installed.

The test values are adjustable and can be automatically repeated. They can be supplied in different versions upon request.



Art.	Bell jar Litres	Pump mod.	Motor execution Volt	Motor power Kw	Switchgear art.	A	D Ø	Weight Kg
ATS 05	5.5	VTS 4M	1 ~ 230-50Hz	0.18	D0 06 95	300	200	21.5
ATS 20	21.5	VTS 10M	1 ~ 230-50Hz	0.30	D0 06 95	500	400	29.5

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

PNEUMATIC DEVICES 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 plexiglas 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.

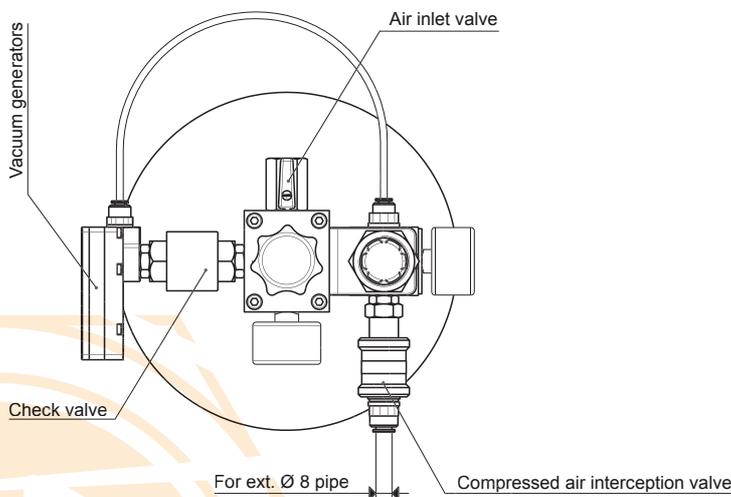
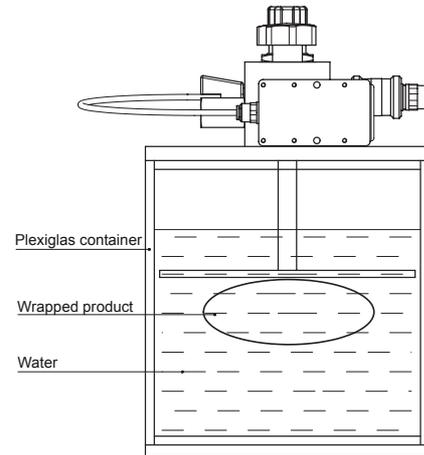
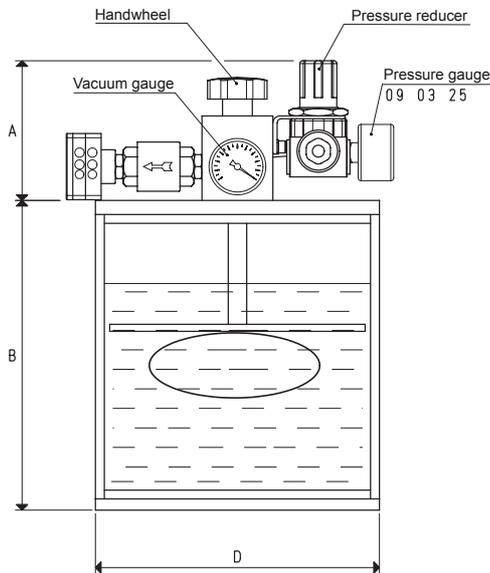
The wrapping submerged in the water in the container tends to inflate because of the pressure differential produced between the air at atmospheric pressure on its inside and the vacuum created in the container. The higher the vacuum level reached in the bell jar and the greater the thrust that the air 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 vacuum level that can be reached inside the bell jar depends on the pump installed.

The test values are adjustable and can be automatically repeated.

They can be supplied in different versions upon request.



Art.	Container Litres	A	B	D Ø	Generator art.	Vacuum gauge art.	Weight Kg
ATP 02	6.0	100	220	220	M10	09 03 15	5.0