

A DETECTOR OF THE GAS CONTAINED IN MOLTEN ALUMINIUM AND ITS ALLOYS

ALVACUUM equipment is easy to use and maintain. It occupies a little space and is supplied complete with all the accessories for immediate use.

The vacuum pump is of the lubricated type and is characterised by a simple, strong and compact construction.

The oil re-circulation lubrication permits to carry out the oil change or possible filling up at long intervals of time.

ALVACUUM is equipped with a heat resistant glass bell that rests on a special neoprene gasket, and with a small steel crucible.

The equipment is protected by a stainless steel plate cover.

PRINCIPAL CHARACTERISTICS:

- Suction volume: 5 m³/h
- Max vacuum: 730 mm Hg
- Rotation speed: 1450 rpm
- Power rating: 0.25 kW
- Weight (approx.): 20 kg
- Overall dimensions: 480×330×340 mm



ADVANTAGES:

Vacuum increases the effect of the gas contained in the alloy. The inspection of a solidified sample gives an indication of the presence of gas and of its quantity. With high gas content, the upper surface of the solidified metal shows a remarkable convexity. When the surface is flat or concave, it is advisable to cut the sample in two or more parts, in order to correctly assess the number and dimensions of the cavities. In the case of production of sand or gravity die castings with heavy sections, it is necessary to obtain samples without cavities, even very small.