

Even though the main element for creating the UniGripper power is air, this element has to be handled with care. By creating too large pressure differences, the handled product, the UniGripper or the vacuum creation unit can get damaged. We therefore often include relief valves, both for vacuum and (over) pressure.

Electric vacuum pumps are equipped with motors that will be damaged if forcing them to provide more power than they are rated for. The vacuum pump will try to get as deep vacuum as possible, but might then use more power than the motor is rated for. This is the main use for vacuum relief valves, and they are typically located on or close to the vacuum pump. Other situations where we use vacuum relief valves is handling of objects that get damaged of too deep vacuum, like empty plastic containers or aluminium cans.

Too high over pressure when reverse blowing might result in damages to foam or gasket parts and we therefore place over pressure valves on the gripper

