



Method and device for controlling the pressure in a vented single-screw extruder or in a cascade extruder

Abstract

The invention relates to a method for regulating the minimal value of the pressure in the first half of the metering zone in a direction of conveyance in a single-screw degassing extruder or in a cascade extruder during the conveying of a melt consisting of the thermoplastic. The single-screw degassing extruder or the cascade extruder each have a first screw section (13), a degassing zone (14), a metering zone (22), and a measuring control loop (M), which includes a pressure measuring sensor (P) in the first half of the metering zone, a regulator (R) and an actuator (S) for influencing the pressure in the metering zone. The pressure is measured by the pressure measuring sensor (P) and is set by the regulator (R) and the actuator (S) so that the minimal value at the location of measurement ranges from 0.1 to 10 bar.

Fig. 2 a

