Flowmeter for watered furrows

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The device serves to measure the flow since furrows of trapezoidal section, with the following characteristic elements: the little down base =11 - 20 cm the big above base of 50 - 60 cm depth in consideration with the stuffing of 18 - 30 cm and the inclination of the slopes m =1.5. The flowmeter is composed of two metal sections with variable cross section, the first from the trapezoidal form until a triangle form with down top and the second from a triangle section to a trapezoidal form. The first section is provided with a metal shutter for the emending in the slopes of the furrow. To stabilize the flow regime, up the downstream of flowmeter, the furrow is shark with a waterproof film. The technique solution is the subject of the patent application for invention a/2006/00101. The construction of the product is simple, reliable without mobile parts. The maximum possible measured flow is up to 5 dm3/s.