

The invention relates to the equipment of the sugar and wine-making industries, particularly to a device for metering and measuring the liquid component flow rate.

The device for metering and measuring the liquid component flow rate includes a receiver tank (16) for metered liquid component, wherein it is installed a vertical tube (1) with a liquid component admission branch, a vertical rod (2) consisting of three segments joined by means of spherical articulations (5, 10), on which there are mounted a conic valve (3) with the possibility of rotary and reciprocating motion thereof, equipped with short guide bars (12) and a spherical valve (4) equipped with a cover with plug (15), fixed on the lower end of the rod with the possibility of reciprocating motion. Inside the spherical valve (4) it is mounted a ball (14), fixed to the lower end of the rod. The upper segment of rod is joined with a spherical valve (4) position corrector (9), and the middle segment, on which is fixed the conic valve (3) for liquid component level regulation in the receiver tank (16), is joined with the position corrector of said valve, including a toothed shaft-gearwheel (6), a toothed rack (7) and a pneumatic drive (8).

Claims: 1

Fig.: 1

