

Title (en)
Dosing device for a solution

Title (de)
Dosiervorrichtung für eine Lösung

Title (fr)
Dispositif de dosage d'une solution

Publication
EP 1145767 A3 20041201 (EN)

Application
EP 01106152 A 20010313

Priority
IT BO20000132 A 20000313

Abstract (en)
[origin: EP1145767A2] A dosing device for a liquid (8) in a feeding fluid (29), particularly water, which flows into heating and/or vaporization circuits for sanitary or food use, both industrial and domestic, includes: a fitting (2), whose ends can be jointed to a feeding duct (3), provided with an inner throttling (2a) fit to create a depression in the fluid downstream the same duct; a closing element (4) associated to the fitting (2) and provided with a couple of regulating ducts (5) positioned in proximity of the opposite walls of said throttling (2a) and fit to connect the section of said fitting (2) with a container (6) of the liquid (8), provided with an upper opening removably closable by means of the closing element (4); diverter means (7), interposed between the closing element (4) and the container (6), fit to direct a predetermined fluid amount at first through an inlet path included between fitting (2) and container (6), through an inlet duct (5a), and afterwards to direct an equal amount of a mixture of fluid with liquid (8) through an outflow path included between the container (6) and the fitting (2), by means of an outflow flow (5b); a splashguard ring (30) below the diverter means (7) and fit to divert and to reduce the pressure force of the water spout coming from the inlet path of said diverter means (7) and directed towards the inside of the container (6). The inlet and outflow paths of the diverter means (7) have a spiral shape, symmetrically and concentrically positioned and separated between them by means of a couple of spiral shaped coils (16) having a shared end. <IMAGE>

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Citation (search report)
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