

CLAIMS

1. Device for preparing infused drinks comprising:

- a support (2) arranged to receive a capsule (3) containing material to be infused in dry state provided with a front face (4) comprising a filter wall (11), a
5 ring (6) surrounding said front face (4), a rear face (5), opposite said front face (4) and a solid casing (7) extending between said ring (6) and said rear face (5) and defining a container arranged to contain said material to be infused, in a position in which said
10 front face (5) is substantially vertical,
- injection means arranged to introduce an infusion liquid into said capsule (3), when said support (2) receives a capsule (3),
- an infusion chamber (1) having a substantially
15 vertical opening (8), said substantially vertical opening (48) being arranged to be in fluid communication with said filter wall, said ring (6) comprising sealing means arranged to maintain the fluid communication sealed with respect to a surrounding
20 medium, outside a fluid exchange zone, and
- an outlet provided with closing/opening means arranged to allow an infused liquid to flow from the infusion chamber (1), characterised in that it further comprises an injection tube of said infusion liquid
25 connected to an upper portion of said infusion chamber (1) in the vicinity of said substantially vertical opening (8).

14. Device as claimed in any preceding claim, wherein said infusion chamber (1) comprises a top through which passes a first horizontal tangent head plane and a median plane separating the infusion chamber (1) into two portions of which a first portion comprises said substantially vertical opening (8), said substantially vertical opening (8) also having a top through which passes a second horizontal tangent plane, parallel to said first horizontal tangent head plane, said injection tube of said infusion liquid being connected to said infusion chamber (1) through an orifice for the passing of infusion liquid passing through an outer wall of said infusion chamber (1), said orifice for the passing of infusion liquid being located between the first and the second tangent planes and in said first portion.
15. Method for preparing infused drinks, comprising the steps of:
- introducing a capsule (3) containing material to be infused in dry state provided with a front face (4) comprising a filter wall, a ring (6) surrounding said front face (4), a rear face (5), opposite said front face (4) and a solid casing (7) extending between said ring (6) and said rear face (5) and defining a container arranged to contain said material to be infused, in a position in which said front face is substantially vertical, on a capsule support (3),
 - injecting an infusion liquid into said container of said capsule (3), via an injection tube of said

infusion liquid connected to an upper portion of an infusion chamber (1),

- an infusion of said infusion liquid with said dry matter to be infused in such a way as to form said infused drink in said infusion chamber (1) in fluidic communication with the container of the capsule (3), and

- a removing of said infused liquid via an opening located in the bottom of said infusion chamber (1) after said step of infusion,

characterised in that said injecting an infusion liquid into said container of said capsule (3) takes place by injection of said infusion liquid into a unit constituted of the infusion chamber (1) in fluidic communication with said container of said capsule (3), said infusion liquid percolating through said filter wall (11) in order to penetrate into said container of the capsule (3) and into said infusion chamber (1).

16. Method according to claim 15, wherein said infusion liquid penetrates through the filter wall (11) into the capsule (3) and then percolates in the other direction towards the infusion chamber (1).

17. Method according to claim 16, wherein a portion of the step of infusion takes place simultaneously with said step of injection.

18. Method according to claim 16 or claim 17, wherein said injection of said infusion liquid is carried out from top to bottom and causes turbulences in the infusion