

Claims

1. A pack (1) with an inner volume in which a food or beverage ingredient is stored and in which a beverage is produced when water is introduced inside, said pack (1) comprising at least one inlet (10) configured to supply water in the inner volume of the pack (1) and one outlet (11) for dispensing a beverage from the inner volume of the pack (1), **characterized in that** the pack (1) comprises a semi-rigid or rigid shell (2), said shell (2) comprising a main plane wall (20) surrounded by a peripheral edge (21), and a cover part (3) sealed on said peripheral edge (21), said shell (2) and said cover part (3) defining therebetween said inner volume-;

wherein said one outlet (11) is formed in the peripheral edge (21) of the shell (2);

wherein said peripheral edge (21) has an opening (212), defined by an interruption of said peripheral edge (21) of the shell (2), two portions (211) of said peripheral edge (21) extending face each other on each side of said opening (212) and forming said one outlet (11) of said pack (1).

2. A pack (1) according to claim 1, wherein said one outlet (11) is formed by an opening in the shell (2).

~~3. A pack (1) according to any one of claims 1 or 2, wherein said one outlet (11) is formed in the peripheral edge (21) of the shell (2).~~

~~4. A pack (1) according to claim 3, wherein said peripheral edge (21) has an opening (212), defined by an interruption of said peripheral edge (21) of the shell (2), two portions (211) of said peripheral edge (21)~~

~~extending face each other on each side of said opening (212) and forming said one outlet (11) of said pack (1).~~

5.3. A pack (1) according to any one of claims 1 ~~to 4~~ and 2, wherein an openable tab (31) closes said one outlet (11), said openable tab (31) extending from said cover part (3) of the pack (1).

6.4. A pack (1) according to any one of claims 1 to ~~5~~3, wherein said at least one inlet (10) is provided in said main plane wall (20) of the shell (2) with a piercing area (100) configured to be pierced by a water injection needle (40) of a machine for preparing beverages.

7.5. A pack (1) according to any one of claims 1 to ~~6~~4, wherein said main plane wall (20) has an outer face (200) and an inner face (201), one rib (202) protruding from said inner face (201) of the main plane wall (20) and partly surrounding an injection area (204) configured to receive a water injection needle (40) of a machine for preparing beverages.

8.6. A pack (1) according to claim ~~7~~5, wherein, when said pack (1) is used in a beverage preparation machine for the production of a beverage, said one rib (202) partly surrounding said injection area (204) is interrupted in a portion adapted to be disposed face to the top of the pack (1), and said one outlet (11) is provided at the bottom of the pack (1).

9.7. A pack (1) according to any one of claims ~~7-5~~ or ~~8~~6, wherein said one rib (202) projects from said inner face (201) of the main plane wall (20) of the shell (2) towards said cover part (3).

~~10.8.~~ A pack (1) according to claim ~~97~~, wherein said one rib (202) has a height (h1) from said inner face of the main plane wall (20) substantially equal to a height (h2) of said peripheral edge (21) of the shell (2).

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~~11.9.~~ A pack (1) according to any one of the claims ~~7-5~~ to ~~108~~, wherein said main plane wall (20) of the shell (2) comprises two ribs (202) protruding from said inner face (201) of the main plane wall (20) and surrounding respectively partly two injection areas (204), said two injection areas (204) being symmetrically disposed in said main plane wall (20) of the shell (2) with respect to said one outlet (11).

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~~12.10.~~ A pack (1) according to any one of claims 1 to ~~119~~, wherein said shell (2) is formed by a thermoforming process or a plastic injection process, said at least one inlet (10) and said one outlet (11) of the pack (1) being co-formed with the shell (2).

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~~13.11.~~ A pack (1) according to any one of claims 1 to ~~1210~~, wherein the shell (2) is made of one unique rigid or semi-rigid material chosen amongst plastic, thick paper or cardboard.

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~~14.12.~~ A pack (1) according to any one of claims 1 to ~~1311~~, wherein said peripheral edge (21) of the shell (2) comprises a wing (22) extending substantially perpendicularly to the peripheral edge (21), said cover part (3) being sealed on said wing (22).

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~~15.13.~~ A pack (1) according to any one of claims 1 to ~~1412~~, wherein the cover part (3) is a flexible membrane or a rigid or semi-rigid wall.