CLAIMS

1. Press (1) for separating fat containing mass, e.g. cocoa mass, into liquid fat and cake, comprising a frame (2), a plurality of pressing elements (6) disposed in the frame (2), and a hydraulic cylinder and plunger (3, 3A) for exerting pressure on the pressing elements (6), the pressing elements (6) comprising a pot (7) having a cavity (8) for receiving mass to be pressed, a squeezer (9) located at least partially in the cavity (8), and filters (11) disposed in front of the squeezer (9) and on the side of the cavity (8) opposite the squeezer (9), wherein, in the filling position of the press (1), the distance between the filters (11) is in a range from 10 to 80 mm and **characterised in that** the ratio (Dc/Dp) of the diameter (Dc) of the hydraulic cylinder (3) and the diameter (Dp) of the cavities (8) is larger than 0,9 and smaller than 1,15.

2. Press (1) according to claim 1, wherein the ratio (Dc/Dp) of the diameter (Dc) of the cylinder (3) and the diameter (Dp) of the cavities (8) is smaller than 1,11, preferably smaller than 1,07, preferably smaller than 1,03.

3. Press (1) according to claim 1 or 2, wherein the distance between the filters (11) is in a range from 20 to 80 mm, preferably in a range from 25 to 70 mm, preferably in a range from 30 to 60 mm, preferably larger than 30 and smaller than 60 mm.

4. Press (1) according to any one of the preceding claims, wherein the diameter (Dc) of the hydraulic cylinder (3) is in excess of 500 mm, preferably in excess of 550 mm.

5. Press (1) according to any one of the preceding claims, wherein the diameter (Dp) of cavities (8) is in excess of 400 mm, preferably in excess of 450 mm, preferably in excess of 500 mm.

6. Press (1) according to any one of the preceding claims, wherein the number of pressing elements (6) is in a

range from 10 to 26, preferably in a range from 16 to 24.

7. Press (1) according to any one of the preceding claims, comprising a controller arranged to operate the hydraulic cylinder (3) at pressures lower than 700 bar.

8. Press (1) according to claim 7, wherein the controller is arranged to operate the hydraulic cylinder (3) at pressures higher than 500 bar.

9. Press (1) according to any one of the preceding claims, wherein the cavities (8) are cylindrical, said filters (11) are flat or substantially flat and/or wherein the sides of the cavities (8) opposite said squeezers (9) are formed by the backs of adjoining squeezers (9).

10. Method of modifying a press (1) for separating fat containing mass into liquid fat and cake comprising a plurality of pressing elements (6) disposed in a frame (2) and a hydraulic cylinder and plunger (3, 3A) for exerting pressure on the pressing elements (6), the pressing elements (6) comprising a pot (7) having a cavity (8) for receiving mass to be pressed, a squeezer (9) located at least partially in the cavity (8), and filters (11) disposed in front of the squeezer (9) and on the side of the cavity (8) opposite the squeezer (9), wherein, in the filling position of the press (1), the distance between the filters (11) is in a range from 10 to 90 mm, which method is **characterised by** the step of increasing the diameter (Dp) of the cavity or cavities such that the ratio (Dc/Dp) of the diameter (Dc) of the hydraulic cylinder (3) and the diameter (Dp) of the cavities (8) becomes larger than 0,9 and smaller than 1,15.

11. Method according to claim 10, wherein the diameter (Dp) of the cavities (8) is increased such that the ratio (Dc/Dp) of the diameter (Dc) of the cylinder (3) and the diameter (Dp) of the cavities (8) becomes smaller than 1,11, preferably smaller than 1,07, preferably smaller than 1,03.

12. Method according to claim 10 or 11, wherein the distance between the filters (11) is reduced to a distance in a range from 20 to 80 mm, preferably in a range from 25 to 70 mm, preferably in a range from 30 to 60 mm, preferably larger than 30 and smaller than 60 mm.

13. Method according to any one of the claims 10-12, wherein the inner diameter (Dc) of the cylinder (3) after modification is the same as the inner diameter of the cylinder (3) before modification.

14. Method according to any one of the claims 10-13, wherein the frame comprises parallel tie rods (4) and the pressing elements (6) are slidably mounted on the tie rods (4) and wherein the distance between the tie rods after modification is the same as the distance between the tie rods (4) before modification.