of thermoplastic plastic materials chosen from the list defined by polyamides, polyvinylidene fluorides, high density polyethylenes, filled or unfilled polypropylenes, polyformaldehydes.

10. The proportional metering pump as claimed in any one of the preceding claims, characterized in that sealing means (6) are interposed between the suction nozzle (75) and the access nozzle to the mixing chamber (43).

11. A method for mounting a proportional metering pump conforming to any one of claims 1 to 10, characterized in that the fixing ring with the access nozzle to the cavity internal to the hydraulic machine is screwed until the second end of the blocking ring is secured in rotation with the second end of the fixing ring by complementarity of form, so as to lock the unscrewing of the fixing ring.

12. The method for mounting a proportional metering pump as claimed in the preceding claim, characterized in that the screwing is less than a half-turn.

13. A method for dismantling a proportional metering pump conforming to any one of claims 1 to 10, characterized in that the blocking ring is translated so as to separate the first end of said ring from the shoulder against which it was bearing, then the fixing ring is unscrewed from the access nozzle to the cavity internal to the hydraulic machine.

14. The method for dismantling a proportional metering pump as claimed in the preceding claim, characterized in that the unscrewing is less than a half-turn.