14. The fluid dispenser of claim 11, wherein the seal has a recess in which the free end of the piston member is inserted and wherein the free end is a sealing sliding fit in the seal recess.

15. The fluid dispenser of claim 11, wherein the support member provides at least one fluid passageway for fluid to flow from the chamber towards the fluid outlet upon movement of the piston member from the first position to the second position.

16. The fluid dispenser of claim 1, wherein the support member has a hollow body comprising an end wall through which the passageway is provided, wherein the seal is seated on an outer side of the end wall and wherein the member is interengageable with an inner side of the end wall to limit how far the free end is able to extend into the passageway to push against the seal.

17. A fluid dispenser according to claim 1, wherein the free end of the member extends into the passageway so as to protrude therefrom to push against the seal.

18. The fluid dispenser of claim 1, wherein, in the first position of the member, the member and the support member are interengaged to limit how far the free end extends into the passageway to push against the seal member.

19. The fluid dispenser of claim 13, wherein, in the first position of the member, the shoulder and the support member wall are interengaged to limit the amount to which the free end extends into the passageway.

20. The fluid dispenser of claim 16, wherein, in the first position of the member, the member and the inner side of the end wall are interengaged to limit how far the free end extends into the passageway to push against the seal member.

21. The fluid dispenser of any one of the preceding claims, wherein the member and the seal are separate from each other.