

Abstract

GASKET RETAINER FOR SURFACE MOUNT FLUID COMPONENT

A gasket retainer that is absent sharp corners, has apertures of reasonable dimensional tolerance, and may be conveniently made by a variety of manufacturing processes. The retainer is made from thin flat springy material that readily returns to form after slight bending. Representative gasket capturing apertures are of smoothly non-convex outline with major dimension sufficiently large to allow passage of a ring shaped gasket turned on edge and minor dimension sufficiently small to engage, on approximately opposite circular segments that each engage along less than one third of a gasket circumference, a cavity or groove on the outside diameter periphery of the gasket turned flat parallel to the retainer material sheet. Fasteners may be retained by similar apertures.

Fig. 1A