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PRESSURE ISOLATOR ASSEMBLY FOR SANITARY PROCESSING
ABSTRACT OF THE DISCLOSURE

An isolator diaphragm (13) is formed and connected to a support member (16A) so it will withstand periodic high pressure cleaning. The isolator diaphragm (13) has a peripheral wall portion bonded to a planar support (26) surface and is formed to have a center region (38). The peripheral wall and center region (38) are joined by a conical, inclined wall (28) bounding the center region (38). The support member (16A) has a correspondingly shaped recess (32) with an inclined, annular wall (30) that supports the conical wall (28) of the diaphragm. The primary diaphragm flexure point of the center portion (38) of the diaphragm (13) is moved away from the perimeter of the diaphragm, to adjacent the junction of the inclined wall (28) and the center region (38).

This Sheet Has Been Replaced

