ABSTRACT

A connection system for a pressure cylinder (5) comprises a check valve (4) located in the neck (15) of the pressure cylinder (5) and which is equipped with a gas removal connection opening and can be operated from the outside by means of a valve tappet displaceable along a central axis (6), as well as a connecting device (2), which is connectable in gastight, detachably locking manner with the check valve (4) and contains means for valve tappet operation. In such a connection system an easy and rapid replacement or connection of cylinders is made possible, whilst leading to a high security against incorrect operation and faults and reliable handling and storage of the cylinders in that the pressure cylinder (5) with the check valve (4) and connecting device (2) are mechanically couplable in a common pivoting axis (34) located at right angles to and outside the central axis (6) and in the coupled state are connectable by a pivoting relative to one another about the pivoting axis (34).

(Fig. 9)