PRESSURE RELIEF VALVE AND METHOD FOR SUBSEA COMPONENTS

Abstract

A relief valve for a pressure vessel includes a housing having an inner bore extending between an inlet and an outlet, a piston located within the inner bore, a spring disposed about the piston and configured to bias the piston into a closed position, a test port in communication with the inner bore, a removable test plug sealingly disposed within the test port, and a first seal and a second seal disposed within the inner bore on either side of the test port, the first and second seals configured to engage the piston and hydraulically isolate the inlet from the outlet when the piston is in the closed position.

Fig. 1