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(54) Title: VALVE ASSEMBLY FOR A DIFFERENTIAL PRESSURE SENSOR WITH SAFETY VALVE

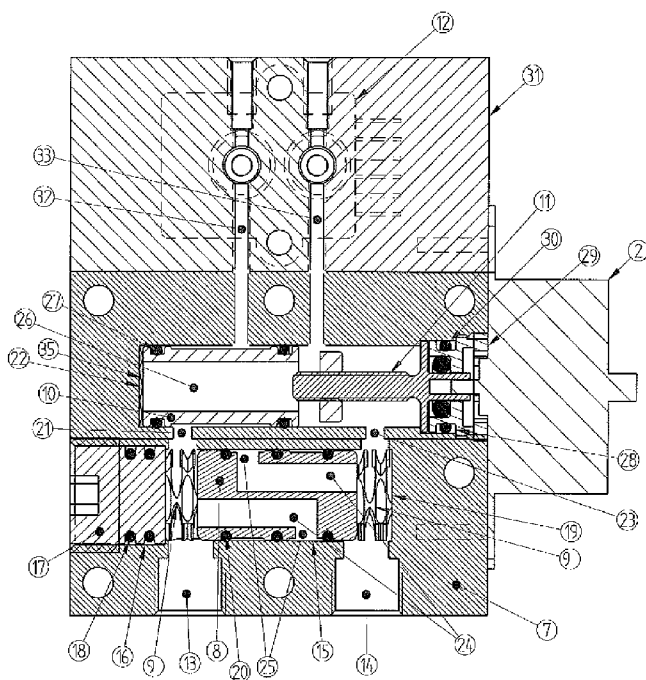


Fig.2

(57) Abstract: Valve assembly (1) included in a system for measuring differential pressures in a fluid system where the valve assembly includes a differential pressure sensor (12) for registration of differential pressures, a first cavity (22) including a calibrating cone (10) which is displaceable between a measure position and a position for zero point calibration/ flushing through of the valve assembly (1). The valve assembly (1) includes a valve body (7) with two connections (13, 14) and further a second cavity (15) arranged with a safety valve cone (8). The safety valve cone (8) protects the differential pressure sensor (12) against to high differential pressure. This is made by that the safety valve cone (8), by differential pressures higher than a dimensioned value, is moved in direction towards the low pressure side and as a result a passage between high and low pressure side is opened, from the one connection (13), i.e. the high pressure side, to the other connection (14), i.e. the low pressure side, via the second cavity (15) in the valve body (7), and via, in the safety valve cone (8) provided cavities (24) and recesses (25), whereby a pressure equalizing occurs.