

Title (en)
ELECTROMAGNETICALLY CONTROLLED VALVE

Title (de)
ELEKTROMAGNETISCH BETÄTIGBARES VENTIL

Title (fr)
SOUPAPE A COMMANDE ELECTROMAGNETIQUE

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Application
EP 98963384 A 19981126

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Abstract (en)
[origin: DE19808067A1] The invention relates to an electromagnetically controlled valve, especially an injection valve for fuel injection systems of internal combustion engines, comprising a throttle point (10) which connects a core (2) and a connecting piece (8). The invention is characterised in that a ring-shaped insert (31) which supports the throttle point (10) in a radial direction is provided. The introduction of the ring-shaped insert (31) makes it possible to exploit the advantages of the construction of the valve tube (9) with the throttle point (10) whilst providing the stability necessary for high pressure valves. The invention is especially advantageous if the ring-shaped insert (31) is either made from an electrically non-conductive material or is interrupted in at least one place and secured so that it is electrically insulated. This prevents eddy currents from arising in the ring-shaped insert (31) when a magnetic field is changing, said insert lying at least partially within the range of the magnetic field of the magnet coil (1). Such eddy currents would have a negative effect on the switching times of the valve.

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