

Title (en)

Apparatus for connecting a gas distribution device to gas sleeves of fuel injection systems for internal combustion engines

Title (de)

Einrichtung zur Verbindung einer Gasverteilereinrichtung mit Gasumfassungskörpern von Einspritzvorrichtungen für Brennstoffeinspritzanlagen

Title (fr)

Appareil de raccordement d'un dispositif de répartition du gaz à des manchons de gaz des systèmes d'injection de carburant pour moteurs à combustion interne

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Application

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Abstract (en)

[origin: DE4431044A1] The novel gas distribution device (1) has a common gas supply line (70) with an internal supply aperture (71), designed to supply gas to several devices (2) arranged, for example, in series, forming a basic body and a number of connectors (7) corresponding to the number of fuel-gas mixture injection devices (2) which extend perpendicularly outwards from the gas supply line (70) and contain branch apertures (73) directly connected to the supply aperture (71). A fixed connection between the gas distribution device (1) and the devices (2) is provided in that on the gas containing bodies (3) at least partially surrounding the devices (2) there are gas inlet channels (13) having functional components (52) projecting into the connectors (7) of the gas distribution device (1). The gas is provided in the supply aperture (71) for all the devices (2) at the same time and then flows via a connector (7) to a device (2). The gas distribution device (1) thus takes the form of a very compact unit which can be fitted and removed very easily. The gas distribution device of the invention is particularly suitable for fuel injection systems of mixture-compressing spark-ignition internal combustion engines.

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