

Title (en)
GAS VALVE UNIT HAVING TWO GAS OUTLETS

Title (de)
GASVENTILEINHEIT MIT ZWEI GASAUSGÄNGEN

Title (fr)
ENSEMBLE VALVE À GAZ POURVU DE DEUX SORTIES DE GAZ

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Abstract (en)
[origin: WO2011144492A2] The subject matter of the invention is a gas valve unit for setting gas volumetric flows to a twin-circuit gas burner of a gas unit, in particular a gas cooking unit, wherein the gas valve unit has a gas inlet (3) and two gas outlets (11, 12). According to the invention, the gas volumetric flow to at least one of the gas outlets (12) can be set in a multiple-stage manner. In a zero position of the gas valve unit, the gas volumetric flow to both gas outlets (11, 12) is interrupted. In a switching position which is adjacent to the zero position, the gas volumetric flow which can be set in a multiple-stage manner is set to a maximum value. In order to set the gas volumetric flow which is fed to a first gas outlet (11), the gas valve unit has at least two first open/shut valves (15) and at least two first throttle points (17), preferably at least three first open/shut valves (15) and at least three first throttle points (17). In order to set the gas volumetric flow which is fed to a second gas outlet (12), the gas valve unit has at least two second open/shut valves (16) and at least two second throttle points (18), preferably at least four second open/shut valves (16) and at least four second throttle points (18). In order to control the open/shut valves (15, 16), at least two magnetically active bodies (5, 6) are provided, wherein a first magnetically active body (5) is formed by a ferromagnetic body and a second magnetically active body (6) is formed by a permanent magnet. At least one first open/shut valve (15.3) has a permanent magnet (13), in such a way that said first open/shut valve (15.3) can be controlled as a function of the position of the first magnetically active body (5) which is formed by a ferromagnetic body.

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