

Title (en)
PREMIX GAS BURNER

Title (de)
VORMISCHGASBRENNER

Title (fr)
BRÛLEUR DE GAZ PRÉ-MÉLANGÉ

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Abstract (en)
[origin: WO2013120715A1] The invention discloses a cylindrical premix gas burner (100) that is comprising a cylindrical burner deck (110), which is comprising a perforated metal plate. The cylindrical premix gas burner (100) is delimited by an end cap (115). At the opposite side of the end cap, an inlet disc (120) with perforations is provided for the supply of a premix of combustible gas and air into the burner and which is to be burnt on the outside of the cylindrical burner deck (110) after the premix gas has flown through it. The inlet disc is comprising - a multiple of perforations (130) for premix gas supply in a central zone of the plate, - and a multiple of perforations (140) for premix gas supply in the peripheral zone of the inlet disc (120). The porosity of the inlet disc is higher in the central zone than in a peripheral zone. The average surface area of the perforations in the central zone of the inlet disc is less than 20 mm².

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See references of WO 2013120715A1

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EP4163544A1; WO2023057605A1

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