

Burner Sealing Plate



Energy Saving up to 10%
NO_x reduction
Long life time
Maintenance free

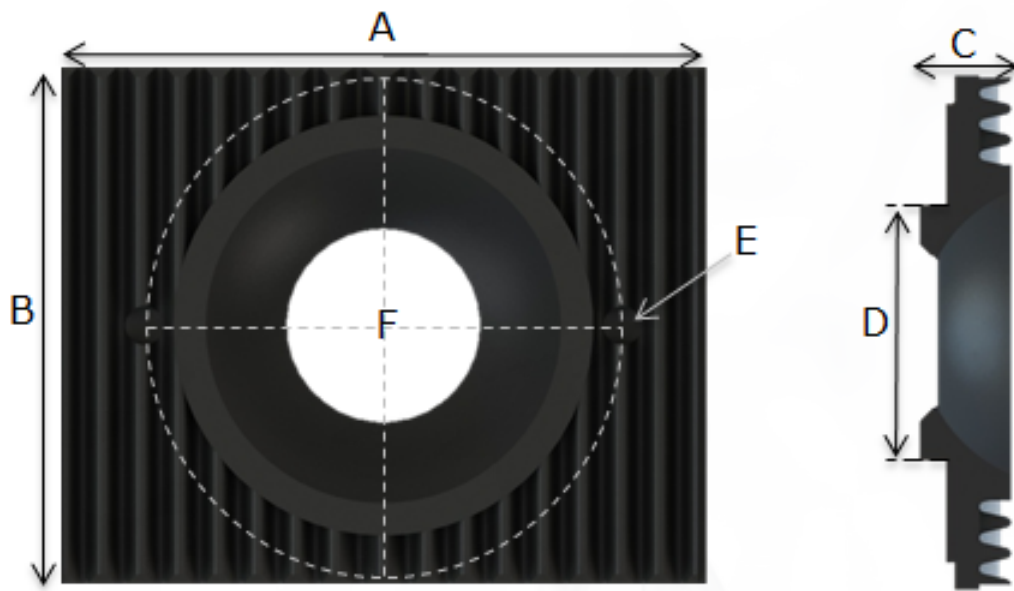
Hotwork Internationals Underport and Sideport Burner systems incorporate burner sealing plates, which eliminate the inclusion of tertiary air. Gas (RGB) and Oil (ROB) Burners are equipped with ball end nozzles which fit into the ribbed socket of the sealing plates. This gives good heat resistance and a simple tight seal. Burner nozzles are made of special nickel free high temperature resistant steel, giving long life time.

Sealing Plates provide fuel savings of up to 10% compared to open burner blocks. Good and air tight sealing also effects a longer life time of your Burner equipment and it will be easier to maintain.

Burner sealing plate can be installed tightly to the burner block by using a Hotwork Burner bracket with integrated sealing plate holder or simply by a jack bolt holding the sealing plate snug to the burner block. Both systems allow easy maintenance.

Hotwork and UAS are specialised in supply of auxiliary equipment, including full gas control stations, furnace control system (DCS), full automation, exhaust gas analysis and Oxygen probes as well as tuning, supervision and commissioning services worldwide.





A	B	C	D	E	F
200mm	160mm	35mm	98mm	M10	150mm

External cooling air for the sealing plate can be by one 1" or 2" diameter cooling air duct with or without fishtail.

Sealing Plate cooling air pressure: approx. 4" W.C:

Sealing Plate cooling air flow: approx. 3-9 Nm³/h

Optional water cooling available

Burner cooling during non-firing/reversal:

Compressed air is the easiest source of cooling, anyway to reduce operating cost a high pressure blower might be the more cost efficient cooling source. The amount of cooling air for internal cooling should be only sufficient to prevent overheating of the burner. Excess air might lead to higher energy consumption and NOx formation.

Pressure: approx. 200mbar

Flow: 15 Nm³/h

Swiss Quality and German Reliability complete engineering and supply



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