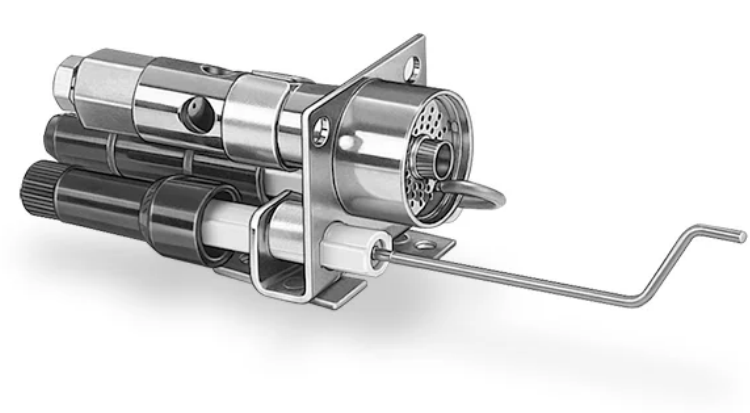


PILOT BURNERS

Pilot burner ZAI

Thermo pilot burner for safe ignition of atmospheric gas burners in conjunction with automatic burner control units IFS/IFD or PFS/PFD.

Overview



Thermo pilot burner for safe ignition of atmospheric gas burners in conjunction with automatic burner control units IFS/IFD or PFS/PFD.

Features & Benefits:

- Capacity: approximately 3 kW
- Fuel type: natural gas or propane

More Information:

- [Find products in ProFi for ZAI](#)
- [Find spare parts in PartDetective for ZAI](#)

Specifications

ENVIRONMENTAL CONDITIONS

Ambient Temperature Range

- -15 to +60 deg C

COMBUSTION, FUEL & MIXING SUB-SYSTEMS

Typical Pilot Sizing

- Recommended at 2 to 5 % of main burner capacity

OVERVIEW

Product Category

- Ionization-controlled pilot burner

INSTALLATION & MOUNTING SPECIFICATIONS

Mounting Options

- Two mounting holes on fastening lug

Installation Orientation



- Any position ensuring reliable main burner ignition

MATERIAL SPECIFICATIONS

Material

- Ignition head: galvanized steel; Retaining plate: galvanized steel

ELECTRICAL SPECIFICATIONS

Ionization Current

- $\geq 5\text{ }\mu\text{A}$ stable

APPLICATIONS & COMPATIBILITY

Intended Use

- Ionization-controlled pilot burner for safely igniting gas burners; 2-5% of main burner capacity

Applications

- Safe ignition of gas burners; can also operate as an independent burner

PRESSURE SPECIFICATIONS

Inlet Pressure Limit

- NG $\leq 35\text{ mbar}$; Coke/Town gas $\leq 30\text{ mbar}$; LPG $\leq 60\text{ mbar}$

IGNITION, FLAME & SUPERVISION SPECIFICATIONS

Ignition Type

- Direct spark ignition (5 kV ignition transformer)

Electrodes Included

- Spark electrode + flame rod

FUEL, GAS & MEDIA SPECIFICATIONS

Gas Type

- Natural Gas, LPG, Coke Oven Gas, Town Gas

COMBUSTION, MIXING & FUEL DYNAMICS

Gas Nozzles

- 0.7 mm LPG nozzle (included)
- 1.8 mm nozzle for coke/town gas (Order No. 34472880)

CONNECTIONS & INTERFACES

Gas Connections

- 8 mm tube; cone olive + cap screw for ZAI K

COMBUSTION DESIGN & CHARACTERISTICS

Combustion Method

- Atmospheric pilot with excess air operation

PERFORMANCE SPECIFICATIONS

Capacity

- Approximately 1.8 to 3 kW



Burner Design

- No flame tube; bare electrodes (optional protective tube available)

STANDARDS & CERTIFICATIONS

Approvals

- EN 746-2, RoHS, REACH, Eurasian Customs Union

Filters

▼ CATEGORY

☒ Base Part

▼ TYPE

☒ Pilot Burner

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Part Number	KS84228010
Description	ZAI K Pilot Burner
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Type	Pilot Burner
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