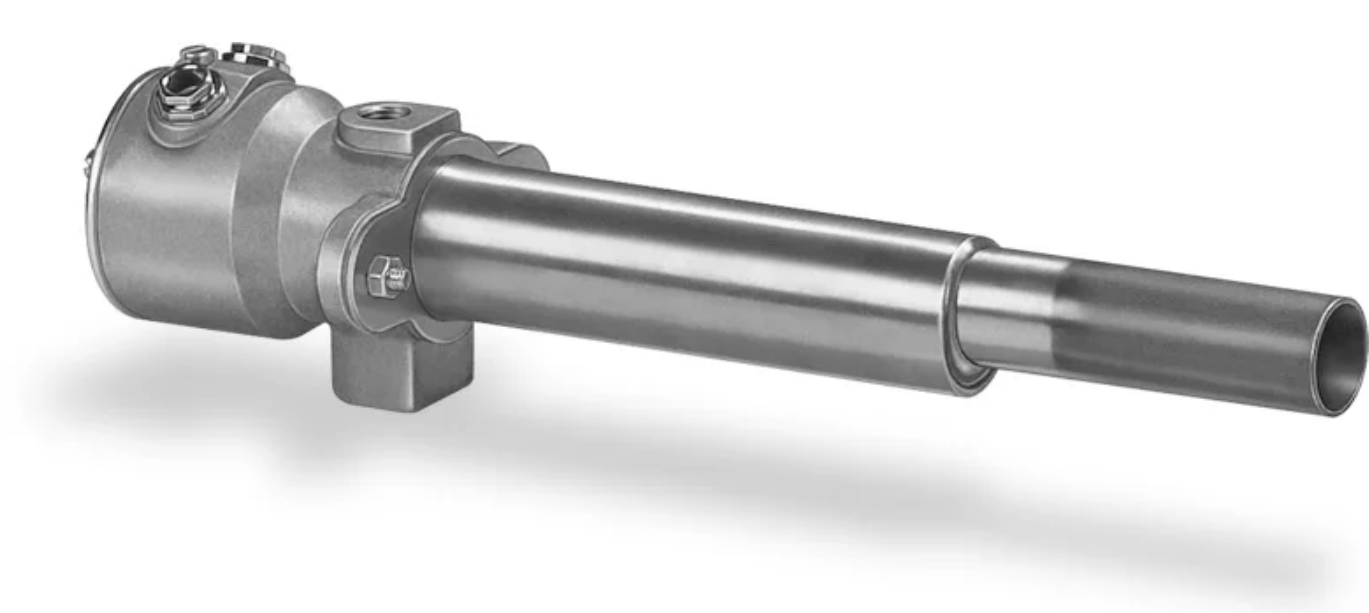


PILOT BURNERS

# Pilot burner ZKIH

Pilot burner with forced air supply for safe ignition of gas burners in conjunction with automatic burner control units IFS/IFD or PFS/PFD.

## Overview



**Pilot burner with forced air supply for safe ignition of gas burners in conjunction with automatic burner control units IFS/IFD or PFS/PFD.**

**Features & Benefits:**

- Capacity: 2 to 7 kW
- Fuel type: natural gas, town gas or LPG
- Length of burner tube: 150/100 to 1000/100 mm
- Connection: threaded

**More Information:**

- [Technical Information for ZKIH](#)
- [Find products in ProFi for ZKIH](#)
- [Find spare parts in PartDetective for ZKIH](#)

## Specifications

### APPLICATIONS & COMPATIBILITY

**Applications**

- Ignition of main burners in industrial furnaces; can operate independently (2-7 kW NG max 5 kW)

### MATERIAL SPECIFICATIONS

**Protective Tube Material**

- Stainless Steel

**Material**

- Aluminium splash-proof connection housing

**Flame Tube Material**

- Heat-resistant steel



DIMENSIONS & LENGTH SPECIFICATIONS

|                                                                                             |
|---------------------------------------------------------------------------------------------|
| <b>Protective Tube Length</b>                                                               |
| <ul style="list-style-type: none"><li>150 to 900 mm (ZKIH), 180 to 930 mm (ZKIHB)</li></ul> |

PRODUCT OVERVIEW & CLASSIFICATION

|                                                                                                |
|------------------------------------------------------------------------------------------------|
| <b>Product Variants</b>                                                                        |
| <ul style="list-style-type: none"><li>ZKIH (standard), ZKIHB (high-velocity burners)</li></ul> |

FLUID/MEDIA/COMPONENT TEMPERATURES

|                                                                       |
|-----------------------------------------------------------------------|
| <b>Maximum Protective Tube Temperature</b>                            |
| <ul style="list-style-type: none"><li>500 deg C (932 deg F)</li></ul> |

COMBUSTION/FURNACE/CHAMBER TEMPERATURES

|                                                                                                    |
|----------------------------------------------------------------------------------------------------|
| <b>Maximum Flame Tube Temperature</b>                                                              |
| <ul style="list-style-type: none"><li>&lt;1000°C (1832°F), &lt;900°C (1652°F) for λ&lt;1</li></ul> |

INSTALLATION & MOUNTING SPECIFICATIONS

|                                                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Installation Notes</b>                                                                                                                               |
| <ul style="list-style-type: none"><li>Insulate burner; prevent thermal overload; air purge recommended; pilot tip must not contact main flame</li></ul> |

IGNITION, FLAME & SUPERVISION SPECIFICATIONS

|                                                                                                      |
|------------------------------------------------------------------------------------------------------|
| <b>Ignition Type</b>                                                                                 |
| <ul style="list-style-type: none"><li>Direct spark ignition</li></ul>                                |
| <b>Flame Monitoring</b>                                                                              |
| <ul style="list-style-type: none"><li>Flame rod (ionization)</li></ul>                               |
| <b>Cooling Requirements</b>                                                                          |
| <ul style="list-style-type: none"><li>3 mm cooling air gap required around protective tube</li></ul> |

FUEL, GAS & MEDIA SPECIFICATIONS

|                                                                                                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gas Type</b>                                                                                                                                           |
| <ul style="list-style-type: none"><li>Natural Gas, LPG, Town Gas, Coke Oven Gas</li><li>On-Delivery – Factory-set for natural gas (convertible)</li></ul> |

PRESSURE SPECIFICATIONS

|                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------|
| <b>Gas Inlet Pressure</b>                                                                                                   |
| <ul style="list-style-type: none"><li>Air: 5 to 40 mbar (2 to 16 in WC)</li><li>Gas: 5 to 50 mbar (2 to 20 in WC)</li></ul> |

BURNER/FLAME-RELATED LENGTHS

|                                                                              |
|------------------------------------------------------------------------------|
| <b>Flame Length</b>                                                          |
| <ul style="list-style-type: none"><li>Approximately 25 cm (9.8 in)</li></ul> |

PROCESSING & PERFORMANCE METRICS

|                                                                                       |
|---------------------------------------------------------------------------------------|
| <b>Conversion Capability</b>                                                          |
| <ul style="list-style-type: none"><li>Easily convertible to LPG or town gas</li></ul> |

CONNECTIONS & INTERFACES

|                        |
|------------------------|
| <b>Connection Type</b> |
|------------------------|



- Rp Internal Thread (R)

PERFORMANCE SPECIFICATIONS

Capacity

- 2 to 7 kW (NG max 5 kW)

STANDARDS & CERTIFICATIONS

Approvals

- EN 746-2, Machinery Directive 2006/42/EC, EAC certified

Filters

▼ CATEGORY

☒ Base Part

☒ Spare Part

▼ TYPE

☒ Pilot Burner

☒ Burner Tube Assembly

Search

|             |                                            |
|-------------|--------------------------------------------|
| Part Number | 74974114                                   |
| Description | burner tube assy. ZKIH 400/100             |
| Category    | Spare Part                                 |
| Type        | Burner Tube Assembly                       |
|             | <a href="#">Order Online</a>               |
| Part Number | KS84099637                                 |
| Description | ZKIH 300/ORZ, PILT BRNR, SPL VRSN FA. CERT |
| Category    | Base Part                                  |
| Type        | Pilot Burner                               |
|             | <a href="#">Order Online</a>               |
| Part Number | KS84199411                                 |
| Description | ZKIHB 180/100R                             |
| Category    | Base Part                                  |
| Type        | Pilot Burner                               |
|             | <a href="#">Order Online</a>               |
| Part Number | KS84199420                                 |
| Description | ZKIH 200/100R                              |
| Category    | Base Part                                  |
| Type        | Pilot Burner                               |
|             | <a href="#">Order Online</a>               |
| Part Number | KS84199430                                 |
| Description | ZKIH 300/100R                              |
| Category    | Base Part                                  |
| Type        | Pilot Burner                               |
|             | <a href="#">Order Online</a>               |
| Part Number | KS84214010                                 |
| Description | ZKIH 150/100R                              |
| Category    | Base Part                                  |
| Type        | Pilot Burner                               |
|             | <a href="#">Order Online</a>               |

|             |                                           |
|-------------|-------------------------------------------|
| Part Number | KS84214040                                |
| Description | ZKIH 400/100R                             |
| Category    | Base Part                                 |
| Type        | Pilot Burner                              |
|             | <a href="#">Order Online</a>              |
| Part Number | KS84214050                                |
| Description | BRNR, ZKIH T500/100R PILT USED W/ADPT SET |
| Category    | Base Part                                 |
| Type        | Pilot Burner                              |
|             | <a href="#">Order Online</a>              |
| Part Number | KS84214060                                |
| Description | BRNR, ZKIH 600/100R PILT                  |
| Category    | Base Part                                 |
| Type        | Pilot Burner                              |
|             | <a href="#">Order Online</a>              |
| Part Number | KS84214070                                |
| Description | BRNR, ZKIH 700/100R PILT                  |
| Category    | Base Part                                 |
| Type        | Pilot Burner                              |
|             | <a href="#">Order Online</a>              |

Rows 10 ▾

# Product Number



Please sign in to view part numbers available for purchase based on your account

Sign In

- 74974114

burner tube assy. ZKIH 400/100
- 74974114

burner tube assy. ZKIH 400/100
- KS84099637

ZKIH 300/ORZ,PILT BRNR,SPL VRSN FA. CERT
- KS84099637

ZKIH 300/ORZ,PILT BRNR,SPL VRSN FA. CERT
- KS84199411

ZKIHB 180/100R
- KS84199411

ZKIHB 180/100R
- KS84199420

ZKIH 200/100R
- KS84199420

ZKIH 200/100R
- KS84199430

ZKIH 300/100R



**KS84199430**

ZKIH 300/100R

**KS84214010**

ZKIH 150/100R

**KS84214010**

ZKIH 150/100R

**KS84214040**

ZKIH 400/100R

**KS84214040**

ZKIH 400/100R

**KS84214050**

BRNR,ZKIH T500/100R PILT USED W/ADPT SET

**KS84214050**

BRNR,ZKIH T500/100R PILT USED W/ADPT SET

**KS84214060**

BRNR,ZKIH 600/100R PILT

**KS84214060**

BRNR,ZKIH 600/100R PILT

**KS84214070**

BRNR,ZKIH 700/100R PILT

**KS84214070**

BRNR,ZKIH 700/100R PILT

