**R.K. Instruments & Controls**

TECHNICAL DATASHEET

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# Kromschröder Pilot Burner ZKIH 400/100R (84214040)

Brand: Honeywell Kromschröder | Code/Part No.: KS84214040 | Category: PILOT BURNERS

## Specifications

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|---|---|
| Order Number / Type | **KS84214040 · ZKIH 400/100R** |
| Manufacturer Part No. | **84214040** |
| Product Type | **Forced-Air Pilot Burner, Ionization Monitoring** |
| Burner Tube Length | **400/100 mm** |
| Capacity | **2 to 7 kW (5 kW max. with natural gas)** |
| Fuel Type | **Natural gas, town gas, LPG (gaseous), coke oven gas** |
| Gas Inlet Pressure | **5 to approx. 50 mbar** |
| Air Inlet Pressure | **5 to approx. 40 mbar** |
| Ignition Type | **Direct spark ignition (5 kV ignition transformer)** |
| Flame Monitoring | **Ionization electrode** |
| Connection | **Threaded** |
| Housing Material | **Aluminium** |
| Protective Tube Material | **Stainless Steel** |
| Flame Tube Material | **Heat-resistant steel** |
| Max. Flame Tube Tip Temperature | **1000°C (<900°C for λ<1)** |
| Used With | **Automatic burner control units IFS/IFD or PFS/PFD** |
| Manufacturer | **Honeywell Kromschröder, Germany** |



## Description

The Kromschröder ZKIH 400/100R (Part No. 84214040) is a genuine forced-air pilot burner used for the safe ignition of industrial gas burners in conjunction with Kromschröder's automatic burner control units (IFS/IFD or PFS/PFD). It delivers a capacity of 2 to 7 kW (up to 5 kW on natural gas) and runs on natural gas, town gas, LPG, or coke oven gas, with a 400/100 mm burner tube length and threaded connections. The burner uses direct spark ignition (via a 5 kV ignition transformer) with ionization-electrode flame monitoring, an aluminium housing, a stainless steel protective tube, and a heat-resistant steel flame tube rated up to 1000°C at the tip. Manufactured by Honeywell Kromschröder, Germany, and supplied by R.K. Instruments & Controls.

*Typical media compatibility: CNG, PNG, LPG, Air, Nitrogen — confirm against application before installation.*