R.K. Instruments & Controls

TECHNICAL DATASHEET

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Kromschröder Pilot Burner ZKIH 500/100R (84214050)

Brand: Honeywell Kromschröder | Code/Part No.: KS84214050 | Category: PILOT BURNERS

Specifications

Order Number / Type	**KS84214050 · ZKIH 500/100R**
Manufacturer Part No.	**84214050**
Product Type	**Forced-Air Pilot Burner, Ionization Monitoring**
Burner Tube Length	**500/100 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 500/100R (Part No. 84214050) 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 500/100 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.