

KBK 917 – Small Burner Box

Measurement method	Determining the ignitability of building products subjected to direct impingement of flame in accordance with DIN EN ISO 11925-2: 2011 and/or DIN 4102-1 B2
Sample dimensions	250 mm x 90 mm x ≤ 60 mm (ISO), vertical orientation
Sample holder	Mount for sample holder vertically and horizontally adjustable, consisting of two steel frames for clamping and holding the specimen firmly in place
Burner	Vertical and tiltable to 45° relative to the vertical axis, mounted on guide carriage, linear profile rail guide with cover for protection against contamination
Burner gas	Propane gas: ≥ 95% purity, gas pressure: 4.0 bar*
Exhaust fan	<ul style="list-style-type: none"> ▪ Axial fan, built into exhaust hood ▪ Exhaust air speed 0.7 m/s ±0.1 m/s ▪ Anemometer, measurement uncertainty ±0.1 m/s
Control elements	<ul style="list-style-type: none"> ▪ 1 switch and controller for exhaust air fan ▪ 1 gas main valve ▪ 1 adjustable gas pressure reducer ▪ 1 fine control valve for burner ▪ 1 shifter for burner
Overall design	<ul style="list-style-type: none"> ▪ Combustion chamber with exhaust hood NW= 150 mm, stainless steel ▪ Stainless steel bottom grid ▪ Front and right side panel with fire-proof glass door
Operating conditions	Temperature: 23°C ±5 K, relative humidity: 50% ±20%
Dimensions (W x D x H)	700 mm x 400 mm x 980 mm
Weight	59 kg
Power supply	230 V/50 Hz, max. 40 W
Scope of delivery	<ul style="list-style-type: none"> ▪ 1 combustion chamber according to ISO or DIN with accessories in accordance with the standard ▪ 1 burner ▪ 1 sample holder for vertical orientation ▪ 1 metal template ▪ 1 gauge for flame height ▪ 1 gauge for edge exposure ▪ 1 gauge for surface exposure ▪ 1 filter paper tray ▪ 1 digital stop watch ▪ 50 sheets filter paper ▪ 1 manual, English
Options	<ul style="list-style-type: none"> ▪ 1 sample holder for multilayer samples ▪ 1 sample holder for loose materials ▪ 1 digital anemometer ▪ 1 set for additionally configuring as per ISO 11925-2 or DIN 4102-1 B2

* Burner gas to be provided by the user