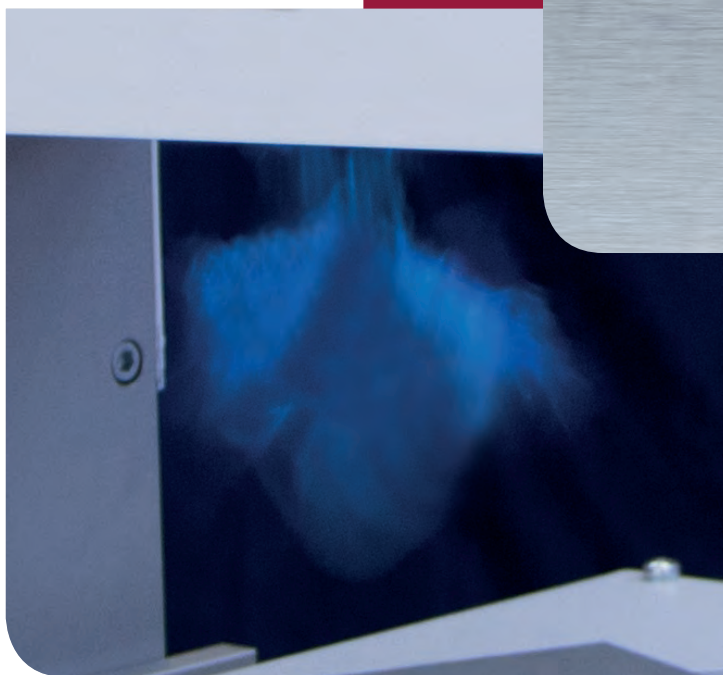


Peripheral device for  
pre- and posttreatment



# FLG 201 FLG 202

Flame treatment units

The flame treatment units FLG 201 and FLG 202 work with a gas flame and are used in pad printing for the pretreatment of certain plastics (PE, PP) as well as for posttreatment. In many cases printing is only possible if the surface was treated.

With both units the flame treatment takes place when the workpiece passes under the gas flame. They are suitable for various applications and can be mounted to linear conveyor belts, rotary indexing tables or to a transfert carré. The flame width can be either 125 mm or 200 mm.

### Flame treatment unit FLG 201

The flame treatment takes place during a defined length of time following an impulse signal or during an active signal.

### Flame treatment unit FLG 202

The CE-conform flame treatment unit FLG 202 has a programmable safety control, emergency stop switch and monitoring of compressed air and gas.

The duration of the flame treatment is adjustable via a user-friendly switch. Alternatively the flame duration can be determined by an external signal.

## TECHNICAL DATA FLG 201

FLAME TREATMENT  
motion

FLAME WIDTH  
125 mm, max. 200 mm

GAS  
suitable gas: natural gas  
The consumption is  $\varnothing$  50g/h, with a flame duty cycle of approx. 25%. The gas bottle at 10,5 kg is enough for approx. 210 hours.  
The heat output of the burner is approx. 3'000 W.

CONNECTIONS  
gas pressure: 0,5 bar  
air pressure: 5 bar  
electric supply: 230 V / 50 Hz  
special version: 115 V / 60 Hz

CONTROL VOLTAGE / CONTROL  
24 V DC, 12 V DC

DRIVE  
active via pulse signal and set time (0,2 - 1,4 sec.) or active while pulse signal is present.

UNIT ADJUSTMENT  
single actuation via push button

FLAMING TIME  
max. 50% at a cycle duration of 9,99 seconds, permanent valve opening max. approx. 2,5 min. at 20 °C room temperature (PTC monitored resistance)

FAULT INTERFACE  
potential-free and electronic (+24 V DC or 0 V)

WEIGHT  
approx. 19 kg

DIMENSIONS (w/h/d)  
175 / 510 / 614 mm

## TECHNICAL DATA FLG 202

FLAME TREATMENT  
motion

FLAME WIDTH  
125 mm, max. 200 mm

GAS  
suitable gas: natural gas  
The consumption is  $\varnothing$  50g/h, with a flame duty cycle of approx. 25%. The gas bottle at 10,5 kg is enough for approx. 210 hours.  
The heat output of the burner is approx. ca. 3'000 W.

CONNECTIONS  
gas pressure: min. 0,3 bar  
air pressure: 5 bar  
electric supply: 230 V / 50 Hz  
special version: 115 V / 60 Hz

CONTROL VOLTAGE / CONTROL  
24 V DC, SPS-safety drive

DRIVE  
active via pulse signal and set time or active as long as signal is present

UNIT ADJUSTMENT  
single actuation via push button

FLAMING TIME  
max. 50% at a cycle duration of 9,99 seconds, permanent valve opening max. approx. 2,5 min. at 20 °C room temperature (PTC monitored resistance)

FAULT INTERFACE  
potential-free and electronic (+24 V DC or 0 V)

WEIGHT  
approx. 20 kg

DIMENSIONS (w/h/d)  
175 / 567 / 708 mm

