

## schuett phoenix Gas Safety Burners, schuett-biotec

### **schuett phoenix – for heating and flame sterilizing.**

The intelligent and flexible laboratory burner with digital technology.

For use in microbiological cabinets or in chemical laboratory. The schuett phoenix meets the DIN 30665, chapter 1 standards and has been registered under DIN-DVGW certificate NG-2211AR0750.

Easy to use – microprocessor controlled.

Ignition monitoring, flame monitoring, nonstop flame supervision, controlled burn-time, sensor distance (0-80 mm), overheat protection. Digital display (large LED), UV-resistant resistant to solvents, may be flame-sterilized. Stable, perfect safety. Instrumenttray is integrated. All controls are conveniently located on the front panel. Adjustable continuous mode up to 99 minutes. The burner head may be easily removed for cleaning.

Adjustment of the burn-time exact to the second. Precision control for air and gas supply. Operation with gas cartridges or by using natural gas (central gas line).

### **One device for 3 modes of operation:**

#### **IR-Sensor – Foot-switch, mode 1 – Foot-switch, mode 2**

Power: 230 V (opt. 115 V), 50/60 Hz  
 Dimensions (W×H×D): 125 × 58 × 155 mm  
 Weight: approx. 1000 g

### **Gas Safety Burners – 3 models with comfort**

| Article                                                                                                                                                                                                                                  | Order No.   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| ① <b>schuett phoenix, 230 V</b><br>with stainless steel foot-switch and sensor                                                                                                                                                           | 32 31 31102 |
| <b>schuett phoenix, 115 V</b><br>with stainless steel foot-switch and sensor                                                                                                                                                             | 32 31 31112 |
| ② <b>schuett phoenix eco, 230 V</b><br>with stainless steel foot-switch                                                                                                                                                                  | 10 31 85102 |
| <b>schuett phoenix eco, 115 V</b><br>with stainless steel foot-switch                                                                                                                                                                    | 10 31 85112 |
| ③ <b>schuett phoenix accu, battery use</b><br>with stainless steel foot-switch and sensor. For mobile use, without cables and hoses. Equipped with integrated high-power accu (overcharge protection) for up to 8 hours continuous work. | 10 31 86102 |

### **Accessories**

| Article                                                                                                         | Order No.   |
|-----------------------------------------------------------------------------------------------------------------|-------------|
| <b>Adapter cable for connection to 12 V</b>                                                                     | 32 31 51202 |
| ④ <b>Adapter for gas cartridges CV360</b>                                                                       | 32 31 51212 |
| <b>Adapter for gas cartridges Express 444*</b>                                                                  | 10 31 81402 |
| ⑤ <b>Adapter for gas cartridges C206*</b>                                                                       | 32 31 51222 |
| <b>Adapter for gas cartridges CV270/300/470*</b>                                                                | 10 31 81302 |
| <b>Adapter for gas cartridges CP250*</b>                                                                        | 10 31 81412 |
| <b>Adapter for gas cartridges CG1750*</b>                                                                       | 10 31 81422 |
| <b>Adapter for gas cartridges CG901/904/907*</b>                                                                | 10 31 81492 |
| <b>Pressure reduction valve (TÜV certified, indoor/outdoor)</b><br>for the connection of 5 kg / 11 kg gas tanks | 10 31 81303 |
| ⑥ <b>Glass spatter guard</b>                                                                                    | 32 31 51232 |
| ⑦ <b>Wind guard</b>                                                                                             | 32 31 51242 |
| <b>Safety gas tubing for natural gas, 0.75 m</b>                                                                | 32 31 51262 |
| <b>Safety gas tubing for propane/butane gas, 0.5 m</b><br>with threaded connections                             | 32 31 51272 |
| <b>Safety gas tubing for propane/butane gas, 2.0 m</b><br>with threaded connections                             | 32 31 51282 |
| ⑧ <b>Hot-Tray</b>                                                                                               | 10 31 81292 |
| <b>Stainless steel foot pushbutton/switch</b>                                                                   | 32 31 31532 |
| <b>Valve cartridges CV 360 (pack=6)</b>                                                                         | 32 31 51300 |
| Filling quantity 52 g/cartridge GGVS 2/10 BS, UN 2037                                                           |             |
| <b>Butane cartridges CV206 (pack=6)</b>                                                                         | 32 31 51310 |
| Filling quantity 190 g/cartridge GGVS 2/11 BS, UN 2037                                                          |             |
| <b>Valve cartridges CV 470 with valve (pack=3)</b>                                                              | 10 31 81342 |
| Filling quantity 450 g/cartridge GGVS 2/11 BS, UN 2037                                                          |             |
| <b>Valve cartridges Express 444 (pack=6)</b>                                                                    | 10 31 81382 |
| Filling quantity 60 g/cartridge GGVS 2/5 F ARD, UN 2037                                                         |             |
| <b>Valve cartridges CP250 (pack=6)</b>                                                                          | 10 31 81362 |
| Filling quantity 250 g/cartridge GGVS 2/5 F ARD, UN 2037                                                        |             |
| <b>Screw valve cartridges CG1750 (pack=6)</b>                                                                   | 10 31 81352 |
| Filling quantity 175 g/cartridge GGVS 2/5 F ARD, UN 2037                                                        |             |
| <b>Valve cartridges CV270 (pack=6)</b>                                                                          | 10 31 81372 |
| Filling quantity 230 g/cartridge GGVS 2/5 F ARD, UN 2037                                                        |             |
| <b>Valve cartridges CV300 (pack=6)</b>                                                                          | 10 31 81392 |
| Filling quantity 240 g/cartridge GGVS 2/5 F ARD, UN 2037                                                        |             |

\* incl. pressure reducer and safety gas tube 0.5 m

More accessories and other tube lengths are available on request.



### **schuett easyflame flame-sterilizing pistol**

Mobile. Light and handy. Operational at any time. With piezoelectric-ignition and air supply control for producing a „soft“ flame. High operational safety. For short-term use, the flame expires immediately after the push button is released. Alternatively, continuous use with the lock key. Size of the flame is infinitely adjustable.

Dimensions (W×H×D): 240 × 200 × 60 mm  
Weight: approx. ca. 550 g

| Article                                           | Order No.          |
|---------------------------------------------------|--------------------|
| <b>schuett easyflame flame-sterilizing pistol</b> | <b>10 31 89102</b> |

### **Flame sterilization carousel**

In combination with an optional standard gas-safety-burner (e.g. schuett phoenix) is ideal for flame sterilization of inoculating loops.

Time-saving: Rotation and flame sterilization happen automatically. No need for cooling down of inoculating loops in agar. Time is exact adjustable.

Dimensions (W×H×D): 100 × 345 × 160 mm  
Power: 230 V, 50 Hz or 115 V, 60 Hz  
Weight: approx. 2000 g

| Article                                                                     | Order No.          |
|-----------------------------------------------------------------------------|--------------------|
| <b>Flame sterilization carousel</b>                                         | <b>10 31 83102</b> |
| <b>Glass spatter guard with cut-out</b><br>for flame sterilization carousel | <b>10 31 83232</b> |

