

PRODUCT INFORMATION

SAMPLER
STATIONARY
BÜHLER 1027



BÜHLER 1027 Wall mounted sampler

- **Corrosion-resistant plastic housing**
- **Time and volume proportional composite sampling**
- **Volume accuracy through pressure-vacuum principle**
- **Ideal in combination with stainless steel refrigerator cabinet**

For all types of wastewater

The BÜHLER 1027 is ideal for straightforward applications involving the sampling of widely different types of wastewater.

The well organised display and numeric keypad enable the sampler to be rapidly programmed.

The BÜHLER 1027 can be used for time and volume-proportional sampling. Its simple structure means that it requires very little maintenance. It is weatherproof and can be mounted or fixed on walls.

Samples in conformity with ISO 5667

Pressure-vacuum samplers are ISO 5667 compliant and therefore satisfy the requirements for subsequent reproducible analysis. The samples can be cooled to 4 °C in a stainless steel refrigerator cabinet (optional).

Technical data

BÜHLER 1027 sampler

| | |
|------------------------|---|
| Sampling principle | Pressure-vacuum principle |
| Sample volume | 20–350 ml |
| Sampling containers | Plastic (PE): 1 × 10 l, 1 × 25 l |
| Suction height | Max. 6 m (at 1,013 hPa with still medium) |
| Suction rate | >0.5 m/s for suction height of max. 4.5 m (at 1,013 hPa); pump output electronically adjustable |
| Suction tubing | 5 m PVC tube (12 mm ID) |
| Bottle filling time | 1 min. to 999 h 59 min. |
| Dosage pause | 1 min. to 99 h 59 min. |
| Sampling | Time, volume and event-based and manual sampling |
| Manual sampling | Possible at any time, without interfering with the programme sequence. |
| Volume accuracy | 2.8 % (95 % confidence interval) with standard vacuum system |
| Dosage system | Standard vacuum system 20–350 ml |
| Signal inputs | 1 × analogue: 4–20 mA, optional 0–20 mA, cut-off voltage 3.3 V 5 × digital: volume, event, 3 × freely programmable |
| Signal outputs | Depending on model, up to 8 × digital (freely programmable) |
| Programmes | 6 user-defined sampling programmes (freely programmable) |
| Languages | Choice of several languages |
| Status messages | Collective error message (standard) Sampling, programme active and programme end messages (optional) |
| Power requirement | 230 V / 115 V, 25 VA |
| Housing | Styrosun / PC (GF10) |
| Ambient temperature | 0 to +45 °C |
| Sample temperature | +0.1 to +40 °C |
| Dimensions (H × W × D) | 362 × 442 × 222 mm |
| Weight | 10 kg |

Sample refrigeration cabinet

| | |
|---------------------------|--------------------|
| Bottle size | Max. 1 × 25 l PE |
| Intake tubing | Max. 16 mm ID |
| Housing | Stainless steel |
| Interior material | Plastic |
| Ingress protection rating | IP 56 |
| Ambient temperature | 0 to +35 °C |
| Power requirement | 230 V |
| Dimensions (H × W × D) | 850 × 500 × 620 mm |

Subject to change.

HACH LANGE Services



Contact us to place an order, request information or receive technical support.



Service packages and extended warranty up to 5 years.



Stainless steel refrigeration cabinet for taking samples and preserving them at +4 °C.