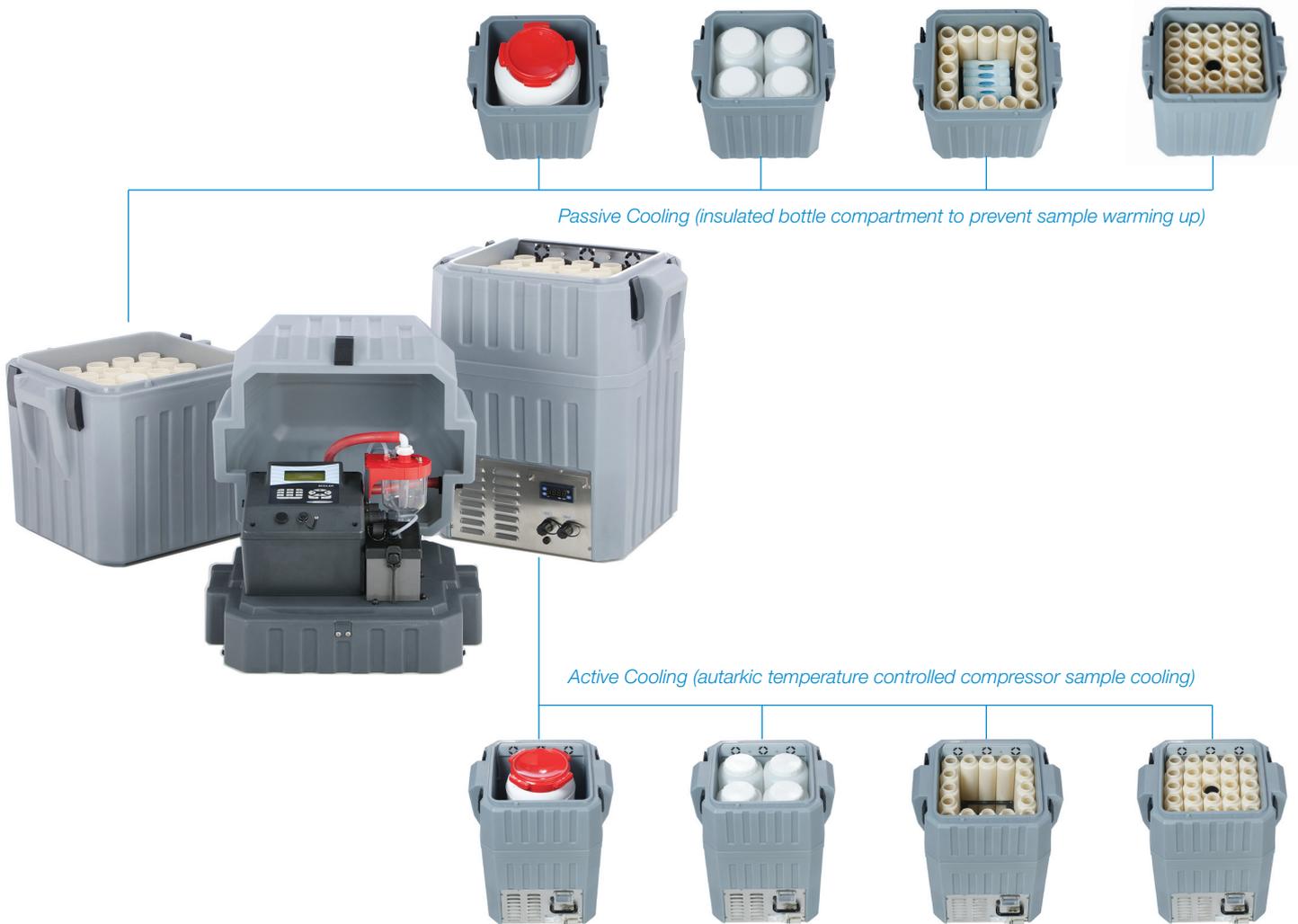


Bühler 2000 Portable Automatic Water Sampler



Accurate sampling for precise analysis

The Bühler 2000 offers compact dimensions with the 24x1 L glass or plastic bottles or up to 25 L composite bottles. All programming features of stationary sampler products are available. Cleaning efforts to avoid cross-contamination during indirect discharge monitoring are at a minimum due to the innovative distributor design and usage of round shaped bottles. It is available with autarkic active cooled sample base! Future safety - You can use one sampler head combined with a passive or active cooling base without adaptations.

- Various bottle options permit flexible application
- Easy to clean due to innovative distribution system
- High sample volume accuracy
- Cost effective and low maintenance - no consumables, no pump tubing change
- Choice between active or passive cooling

Technical Data*

Sample volume accuracy	Standard Vacuum System: < 2.5 % or ± 3 mL
Sampling mode	Time-related, flow-proportional, constant time/variable volume (CTVV), event-related, manual sample extraction
Data storage	3000 entries, non-volatile data memory; storage of sampling and malfunction data like sample extractions, bottle changes, messages, external signals
Inputs	1 x analogue: 0/4-20 mA 2 x digital (flow, event), Impulse length 60 ms, switching level 7-24 V, max. working resistance 500 Ohm, max. length of signal cable 30 m
Sample interval	1 min to 99 h 59 min in steps of 1 minute 1 to 9999 pulses/sample
Suction hose length	5 m (standard); max. hose length 30 m
Sample Height	Max. 6 m (at 1013 hPa and stagnant medium), optional 8 m
Wetted materials	PC, PVC, Silicone, PS, PE, EPDM (optional: metering vessel glass Duran50), sinker weight SS304
Cooling system	Insulated sample compartment (40 mm insulating layer) Option: ice packs (200 mm x 10 mm x 8 mm) for bottle option 16 x 1 L Option: compressor cooling (12 V/115 V/230 V); self-contained, controlled cooling with 2 settings, independent of the programmable controller, temperature in sample compartment: 4 °C (adjustable from 0.0 - 9.9 °C)

Ambient temperature	0 - 43 °C
Sample temperature	0 - 40 °C
Dimensions	Sampler head: 442 mm x 452 mm x 222 mm (H x W x D) Isobox, passive cooling: 534 mm x 510 mm x 430 mm (H x W x D) Isobox, active cooling: 775 mm x 550 mm x 468 mm (H x W x D)
Weight	Sampler head: approx. 10 kg Isobox, passive cooling (24 x 1 L): approx. 11 kg Isobox, active cooling (24 x 1 L): approx. 25 kg
Power supply	Sampler head: 12 V/10 Ah lead storage battery (maintenance-free, leak proof); 115 V or 230 V operation by means of battery charger in buffer mode. Range 11-14 V, power consumption max. 30 W With optional active sample cooling: according to ambient conditions approx. 50 W

*Subject to change without notice.

More detailed information available on www.hach.com

Order Information

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Sampling System Options					
6 - Standard pump, 350 mL plastic vessel					
7 - Flow proportional (variable volume, constant time), 350 mL plastic vessel					
8 - Double head pump, 350 mL glass vessels					
A - Standard pump, 350 mL glass vessel					
Basic Options					
3 - Passive cooling base (ice-cooling)					
5 - Active cooling base (thermostatic controlled refrigeration)					
Bottle/Container Options					
V - 1 x 10 L PE composite bottle					
1 - 1 x 25 L PE composite bottle					
W - 4 x 5 L PE bottle*					
X - 16 x 1 L PE bottle + 4 ice packs*					
6 - 24 x 1 L PE bottle*					
Y - 1 x 20 L glass bottle					
7 - 24 x 1 L glass bottle*					
*distributor system					
Refrigerated Base/Power Supply Options					
6 - Active cooling base, 230 V AC/50 Hz with EU plug, plus 12 V DC input, with 12 V power cable					
A - Active cooling base, 115 V AC/60 Hz with bare leads, plus 12 V DC input, with 12 V power cable					
7 - Active cooling base, 12 V DC, with 12 V power cable					
9 - Passive cooling base					
Sampler Power Options					
5 - Battery powered, Battery included					

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