

Specifications

Ambient conditions

Operation*

Temperature -5 to 30 °C (23 °F to 80 °F)
Air pressure 900 to 1200 hPa
Humidity 0 to 100%

Storage

Temperature -5 to 25 °C (23 °F to 77 °F)
Air pressure 900 to 1200 hPa
Rel. Humidity 30 to 70%

Apparatus Characteristics

USA use the apparatus BG4 AP
The period of use+
with oxygen cylinder R27082 is 4 hours,
with oxygen cylinder R32256 is 3 hours.

Canada use the apparatus BG4 CP.
The period of use+
with oxygen cylinder B03390 is 4 hours,
Metering at 200 bar / 3000psi / 3135 psi depending
on oxygen cylinder

Constant metering 1.5 to 1.9 l/min
Bypass valve > 50 l/min
Minimum valve > 80 l/min
Oxygen > 99.5% O₂ by
volume, tasteless and
odorless

Permissible impurities in depressurized gas

Water vapor content max. 50 mg/m³

Battery 9V

Only the following types may be used
(explosion-hazard approval):
Duracell Inc. MN 1604
Eveready Inc. 522
Panasonic Ind. Co. 6 AM 6
Rayovac Corp. A604

Accuracy of the Monitron

pressure measurement ± 2% of the final value
CO₂ absorber Factory packed cartridge or
refill cartridge containing
Dräger-Sorb 400.

Volume of breathing bag 5.5l

Oxygen cylinders

R27082 (USA) 2 L / 3135 psi
440 L oxygen
steel NGO
B03390 (Canada) 2 L / 200 bar
400 L oxygen
steel W 21.8 x 1/14
R32256 (USA) 1.88 L / 3000 psi
408 L Oxygen
fiberglass reinforced
NGO
B30229 (USA) Carbon cylinder/valve assy
3000 psi
2 liter
carbon composite
4 hr duration
B30230 (Canada) Carbon cylinder/valve assy
3000 psi (206 bar)
2 liter
carbon composite
4 hr duration

Weight with 1.4 kg ice,
mask and charged oxygen cylinder 15 kg (33 lbs)

Dimensions L x W x H 593 x 450 x 185 mm

*Note

Continuous operation at temperatures higher than
30 °C (86 °F) or at higher than normal work rates will
result in reduced breathing air cooling.

Laboratory testing has demonstrated, that the BG4
will operate effectively at temperatures that exceed
the capabilities of the human body.

+under moderately severe conditions.