

CF 20_α "LIGHT"



CF 20_α LIGHT

PORTABLE AIR SAMPLER

The **CF 20_α** is the ideal work tool for all operators that require a sampler with reliability and accuracy, light handling and versatility of operation.

With this instrument, in combination with various accessories designed in compliance with current regulations, is possible to sample powders and gases in workplaces, immissions and emissions.

The **CF20 Light/Battery** version allows sampling also in areas with no connections to the electrical network

**In compliance with
UNI EN 12919/2001**
"Pumps for the sampling of chemical agents with a volume flow rate of over 5 l/min"

TECHNICAL FEATURES

- *Chassis*: front and lateral side are in polyurethane at high density with rounded edges, rear side in aluminum
- The control panel is protected with a transparent Plexiglas panel that can be blocked with a lock
- *Particulate filter* to protect the pump, placed on the rear side, replaceable by the user
- *Activation*: with On/Off switch
- *Pump Type*: membrane, single head
- *Flow rate range*: 0,25 ÷ 16 l/min with fiber glass filters or with porosity 0,8 μm MCE membrane filter (20 l/min at the inlet)
- *Flow rate measuring*: through two accurate flowmeters
- *Volume measuring*: through gas meter (resolution 0,2 litres)
- *Temperature measuring*: through a thermometer with real time visualization on display
- *Vacuum measuring*: through a built-in vacuum gauge



The instruments could be supplied, on request, with a weekly built-in **digital programmer**.

Through the programmer is possible to set:

- current time
- start and end of the sampling
- up to 8 cycle of sampling
- the function "summer time"
- turn on or off the manual sampling

The sampler CF20 can be **employed** for the monitoring of

Workplace - Emissions - Immissions

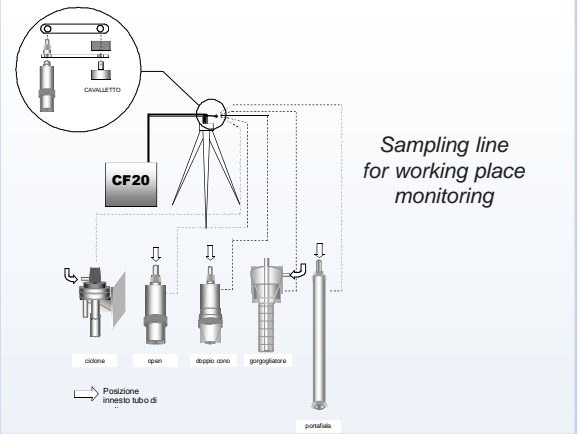
for sampling of airborne pollutants such as:

- * **dust (inhalable - breathable - PM10 e 2.5)**
- * **welding fumes and metal**
- * **silica**
- * **asbestos and glass fibers**
- * **toxic gases and vapors**

CF20^{alfa} Light

SAMPLING LINE is made by:

- CF20^{alfa} Light air sampler
- PVC hose for connection to the sampling accessories
- Tripod (only for environmental sampling)
- Sampling accessory (filter holder, tube holder, impinger or probe)
- Protection device for sampling line (condenser unit and dehumidifier cylinder - only for emissions sampling)



OTHER FEATURES

- Power: 220 V 50 Hz
- Dimensions: 40 (h) x 35 (d) x 31,5 (w) cm
- Weight: 11,3 kg
- Operating conditions: 0°C - 40°C

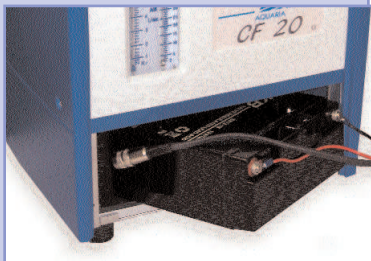
CF20a Light/B

The **CF20a Light/B** is similar to the previous one but with the capability to be powered network or batteries.

The battery, located in the lower part of the instrument, is easily removable. No external charger is required because it is already present inside the instrument.



- Dimensions: 51 (h) x 35 (d) x 31,5(w) cm
- Weight: 16,65 kg



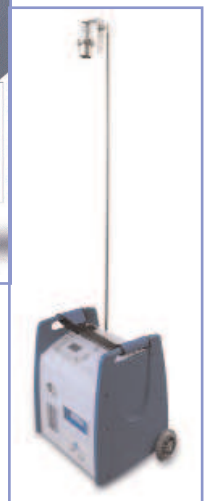
ACCESSORIES

- Stainless-steel filter holder (OPEN and DOUBLE CONE type)
- Respirable dust cyclone type Casella and Dorr-Oliver
- Stainless-steel and titanium isokinetic sampling probes and gas probe
- Nozzle and basket in aluminium, titanium
- Stack gas velocimeter for the flow rate calculation (in compliance with **UNI EN 16911**)
- High efficiency condenser unit
- Dehumidifier adsorbent cylinder
- Impinger
- Adsorbent tubes and Tedlar bags
- Membrane filter and carrying boxes (confirm to **UNICHIM n° 285:2003** method)
- Tripod to house sampling supports

TROLLEY VERSION



Both models can also be supplied in **Trolley** version: with back wheels, telescopic pole for sampling device (adjustable from 80 to 160cm) and bag accessory.



Distributor:



UNI EN ISO 9001
CERTIFIED



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