

CF 20_α "BASIC"



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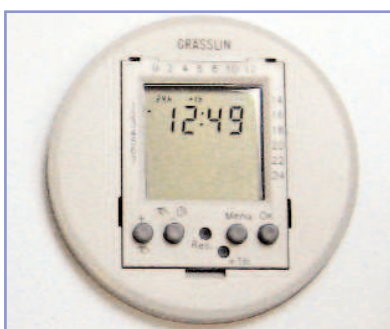
The **CF 20_α** is the ideal work tool for all operators that require a sampler with reliability and accuracy, light handling and versatility of operation. With this instrument, in combination with various accessories designed in compliance with current regulations, is possible to sample powders and gases in workplaces, immissions and emissions.

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

PORTABLE AIR SAMPLER

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
- *Pump Type*: membrane, double head
- *Flow rate range*: 0,25 ÷ 27 l/min with fiber glass filters or with porosity 0,8 um MCE membrane filter (40 l/min at the inlet)
- *Flow rate measuring*: through two accurate flowmeters
- *Vacuum measuring*: through a built-in vacuum gauge for checking the sealing of the pneumatic line and the progressive clogging of the used media
- *Volume measuring*: through gas meter (resolution 0,2 litres)



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

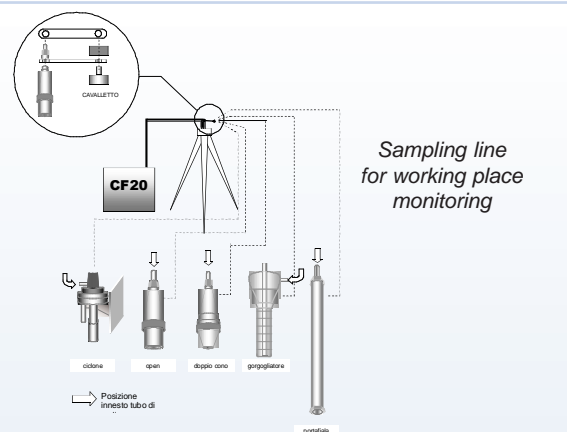
for sampling of airborne pollutants such as:

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

CF20^{alfa} Basic

SAMPLING LINE is made by:

- CF20^{alfa} Basic 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

- *Temperature measuring:* through a thermometer with real time visualization on display
- *Activation:* with On/Off switch
- *Power:* 220 V - 50 Hz
- *Dimension:* 40 (h) x 35 (d) x 31,5 (w) cm
- *Weight:* 12,7 kg
- *Operating conditions:* 0°C - 40°C

"TROLLEY" VERSION



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



ACCESSORIES



- Filter holder device in aluminium and stainless steel, Open and Double Cone (25 and 47 mm diam.)



- Elutriator cyclone for breathable fraction, Casella and Dorr-Oliver type



- Stainless-steel and titanium isokinetic sampling probes



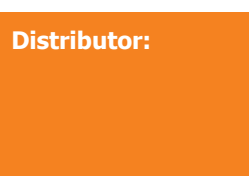
- Gas probe



- Nozzle and basket in aluminium, titanium



- Stack gas velocimeter for the flow rate calculation (in compliance with **UNI EN 16911**)



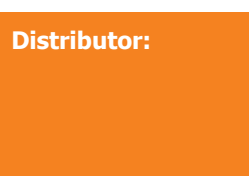
- High efficiency condenser unit
- Dehumidifier adsorbent cylinder



- Impinger



- Tedlar bags



- Adsorbent tube



- Membrane filters



- Carrying filter boxes (in compliance to **UNICHIM n° 285:2003 method**)



- Tripod, variable height up to a maximum of 3,66 m



- PVC tube



UNI EN ISO 9001
CERTIFIED



Via della Levata n°14 - 20084 Lacchiarella (MI)
Phone: + 39 02 90091399 Fax +30 02.9054861
e-mail: info@aquariasrl.com
www.aquariasrl.com

Distributor: