

# CF20 Basic



## CF20 Basic

## PORTABLE AIR SAMPLER

The CF 20 is a field-rugged instrument that is capable of a variety of precise measurements of particulate as well as gas-phase airborne materials. Uses for this instrument include, but are not limited to stack gas, industrial hygiene, and ambient air testing. The system versatility comes from the wide variety of sampling cartridges that are available and can be developed for future applications. The CF20 has been developed to comply with European regulations.

### MAIN FEATURES

- Twin membrane pump with 640 mmHg prevalence
- Flow rate range: 0,25 - 30 l/min (40 l/min without filter)
- Dual Flowmeters: 0,2 - 5 l/min; 2 - 40 l/min
- Total Air volume measurement: volumetric counter (resolution 0,2 l) and LCD display partial counter with security-key for zero return and lock
- Temperature measurement: by thermo element
- System leak check provided
- Flow rate compensation provided for maintaining 20 l/min up to 220 mmHg
- Power supply: 220 - 240V 50Hz
- Dimensions: 26 x 30 x 28 cm (wxhxd)
- Weight: 12,5 Kg



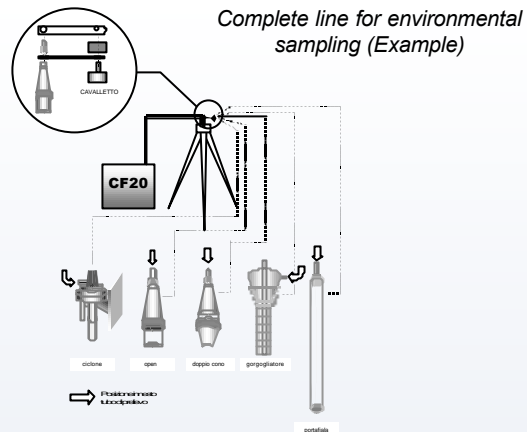
*The model CF20 Basic/S is also available. Without the programmable timer but only a ON/OFF key.*

### APPLICATIONS:

- Working places
- Industrial hygiene
- Stack gas analysis
- Emission monitoring

The **SAMPLING TRAIN** is composed of:

- CF20 Basic sampler
- PVC hose that connect the sampling heads to the CF20
- Tripod (only for environmental sampling)
- Sampling heads include: filter holder, liquid sparger or stack probe
- Protection device for the sampling line (condenser unit and deumidifier cylinder - only for emissions sampling)



## OTHERS FEATURES

- The digital programmer allow the following functions:
  - current day and hour programming
  - sampling starting and ending hour programming
  - 8 sampling cycles programming to be done in the current day
  - 8 sampling cycles programming to be done in the following groups of days:
    - from Monday to Sunday
    - from Monday to Friday
    - from Saturday to Sunday
  - sampling starting and ending hour programming to be repeat in one of the above groups of days
  - "summer hour" function
  - manual sampling start/stop

# CF20 Basic

## ACCESSORIES

- Tripod (maximum height 3.84 m)
- PVC pneumatic hose with quick connectors
- Stainless-steel filter holder for 25 and 47 mm filters (OPEN type)
- Stainless-steel filter



holder for 47 mm filters (DOUBLE CONE type)



- Antistatic plastic respirable dust cyclone with 25 or 37 mm filter cassettes

- Liquid sparger
- Stainless-steel, titanium and hastelloy isokinetic sampling probes
- Gas probes



- Stainless-steel, titanium and hastelloy nozzles and baskets
- Stack gas velocimeter
- High efficiency condenser unit

- Deumidifier adsorbent cylinder
- Charcoal and silica gel tubes
- Tedlar bags
- Filters



CE

Distributed by:



UNI EN ISO9001  
CERTIFIED



Centro Commerciale "Il Girasole" - 20084 Lacchiarella (MI)  
Tel. +39.02.90091399 Fax +39.02.9054861  
e-mail: [info@aquariasrl.com](mailto:info@aquariasrl.com)  
[www.aquariasrl.com](http://www.aquariasrl.com)