TCR TECORA®
POLLUTION CHECK

INDUSTRIAL EMISSIONS

In accordance with:
EN 13284-1 • ISO 23210 • EN14385
EN 13211-1 • EN 1948-1 • EN1911
DM 25/08/2000 SO_x

CLOSED CIRCUIT PORTABLE CHILLER

ISOFROST 3

MAIN CHARACTERISTICS

- Extremely compact size;
- Remote control by sampler;
- Extreme ease of use;
- High cooling performance;
- Condensate temperature through external sensor;
- Cooling liquid tank 18 lt;
- Built-in recirculation pump;
- Single control unit for controlling all parameters;
- Probe heating option. Low coolant alarm sensor;
- Connecting pipes for the coolant equipped with fast connections and thermal insulation;

ISOFROST 3 was born from the development of previous chiller systems ISOFROST and ISOFROST 2.

ISOFROST 3 is able to support multiple samplings in extreme environmental conditions (e.g. summer season). A magnetic drive recirculation pump is incorporated in the device and not takes up valuable space in the tub allowing simultaneous sampling of PCDD/F & PCBs and others (e.g heavy metals, mercury).

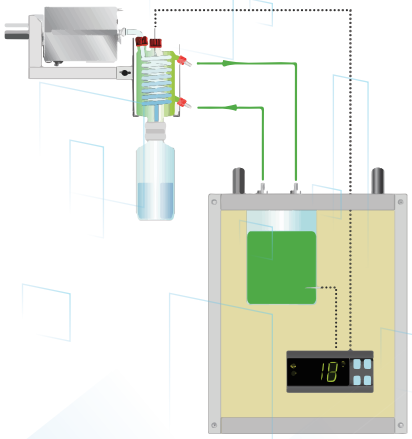
The larger capacity tank contains the cooling coil able to keep the liquid al desired set-point.
If connected to the MCS condenser it can measure the gas temperature at the coil outlet.

ISOFROST 3 is made in a compact and robust stainless and aluminum steel case. The small size and the practical handles make transportation, transport and lifting necessary to reach the sampling point, easier.

ISOFROST 3

Is manually and directly controlled can be remotely controlled by **TCR Tecora®** samplers by saving the log in the report sampling data.

CONNECTION LAYOUT BETWEEN **ISOFROST 3** E **MCS**



ISOFROST 3 allows you to change the temperature set point directly from the panel.

The evolution of the **TCR Tecora®** samplers integrates the automatic control of the cooling system through communication protocol even over long distances; this feature allows to have a save automatic and constant water tank and gas temperature monitoring.

The display of **TCR Tecora®** sampler recognizes ISOFROST 3 and saves in the report its functioning states, so any alarms can be addressed directly to the mobile device of the stack tester.

INNOVATION MADE IN ITALY

ISOFROST 3 Trustable

TCR Tecora® Quality
GUARANTEED!

INTEGRATED OR SEPARATE SYSTEM

The samplers of **TCR Tecora®** can automatically directly manage the cooling temperature of the chiller and heating one of the sampling probe, integrating all the data into the report. **ISOFROST 3** is however capable to manage the heating of the box and the sampling probe in a stand-alone mode. This has been made possible through the research of the **TCR Tecora®** R&D Division and the work of its designers. Together they have created a new series of devices capable of interacting with each other through **X-CONNECT** technology which provides the property of being able to work passively and independently.

X-TDP PROBE

Samplers

BRAVO X
BRAVO DUO
EASY GAS PLUS
ISOSTACK G4

Chillers

ISOFROST 3
ISOFROST 3 HT

XAD2 MCS-X
CARTRIDGE

TECHNICAL CHARACTERISTICS

Cooling device nominal power	2610 BTU/hr > 765 W
Liquid tank capacity	18 liters
Cooling temperature set point	2°C (adjustable e.g. 0°C)
Ricirculation pump nominal flow	5.5 lt/min
Max prevalence liquid recirculation pump	6 meters
Operating conditions	-20°C* + 45 °C - 95% UR
Power supply	230 Vac 50-60Hz (110Vac)
Weight	24 kg
P/N Number	AC99-003-0012SP (0013SP 110Vac)
Size	365 x 320 x 555 mm LxLxA
Communication protocol	RS-485

** for temperatures below 0°C is requested the use anti-freezing liquid*

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