www.ortner-group.com

DecoLine

ISU 2.0

Interactive Superinduce Unit

The **ISU 2.0** is one of the most advanced and powerful **H_2O_2 generator systems** available in the market. The ISU 2.0 supports interconnection and combination of different infrastructure systems, equipment and devices, providing **interactive communication** also with **third-party systems**. Thanks to the fully adjustable volumetric flow rates **up to 350 m³/h** and the programmable process variety, decontamination can be realised using nozzle and ventilation systems covering large areas and far distances. The generated gas flow can be built up either "intensively highly concentrated" or „gradually continuous" (= **superinduce effect**) before being introduced into the room. This system is suited for efficient decontamination of room volumes of up to 500 m³. For simultaneous decontamination of several or larger rooms, the individual ISU 2.0 units can be operated as a network of up to 5 units and controlled centrally via one master unit. Thus, it is possible to decontaminate room volumes of up to 2,500 m³ at the same time. Together with optionally available mobile H_2O_2 catalysts, the necessary aeration time can be reduced by up to 50%, resulting in efficient decontamination cycles.

Ortner Plus

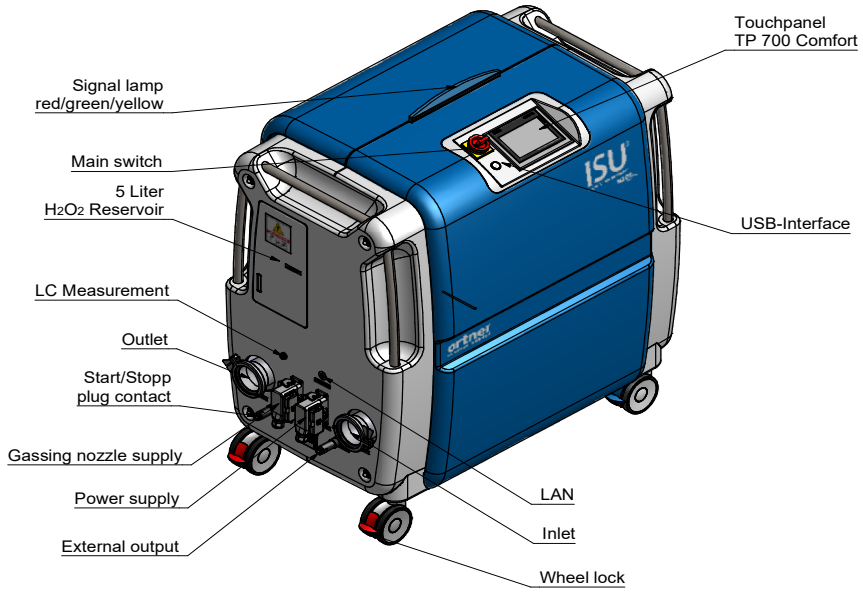
- integrated, powerful evaporation module
- integrated heater module, for example to allow heating of air ducts
- standard digital cycle recording via USB and LAN
- advanced remote control permits operation
- comprehensive interfaces for system integration and communication to external system control units
- permanent operational readiness of the device
- automatic room or chamber clearance measurement for release for use
- permanent limit value monitoring
- automatic chart with concentration trends
- suited for open and closed-loop processes
- suited for controlling synchronized nozzle systems
- user-friendly recipe management
- intuitive user interface
- ergonomic handle grip positions for easy handling
- automatic controlled volumetric flow is variable up to 350 m³/h
- particularly maintenance-friendly thanks to:
  - easy access to all important maintenance-relevant components
  - maintenance can be performed by trained qualified personnel of the operator
- significantly faster cycle times thanks to high air quantity
- 5 litre H_2O_2 reservoir
- Applicable up to 500 m³ room volume/per unit
- Applicable up to 2,500 m³ room volume as interconnected operation of 5 units

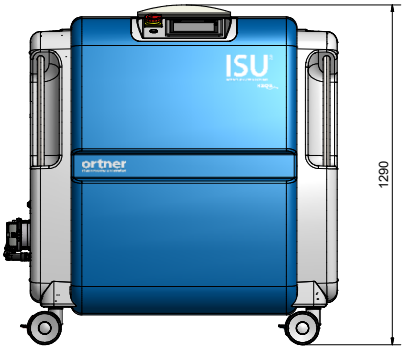
ortner
cleanrooms unlimited

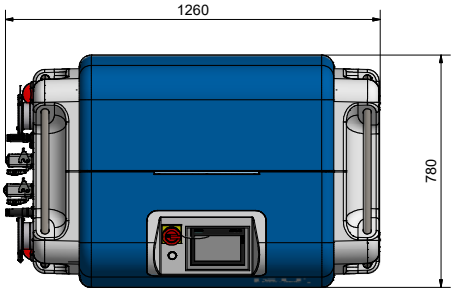
ISU (Interactive Superinduce Unit) 2.0

Operational status of the equipment, all actual values of the sensors, process time, all alarms and the actual cycle time will be provided by the LAN interface. Operators can select and start a cycle external.

ISU 2.0







Models Dimensions in mm

Model	Total dimension W × H × D
0000252	1260 x 1290 x 780

Standard hardware interfaces:

- LAN
- USB
- start/stop contact
- power supply
- nozzles regulation
- external output

Standard external output:

- operation
- total interference
- H_2O_2 system
- active ventilation

Additional options

- HC sensor
- LC sensor
- H_2O_2 catalyst with H14 filter
- fitted gassing nozzle
- comfort display module for remote control via WLAN
- audit trail

Technical specifications

Casing	plastic (ABS)
Power consumption	6 kW / 14 A
Voltage	230 VAC or 3 × 400 VAC/50 Hz/N/PE
Fan	electronic speed control
Control panel	Siemens S7 1200
Cycle storage	1–10 (can be extended)
Pump	high precision dosing pump +/– 1%
Life cycle of the pump	10 000 operating hours
Weight range	0 - 6000 g
Signalization	signal light (red/green/yellow)
Injection rate	1–10 g/min
Room temperature	0 - 40 °C
Volume flow	variable up to 350 m^3/h
Hose connections	DN 80 Tri-Clamp
Touch panel	TP 700 Comfort (colour)
H_2O_2 Reservoir	up to 5 litres (techn. pure H_2O_2)
Max. room size	usable up to 500 m^3 per unit; as interconnected operation of up to max. 5 units, applicable up to ca. 2,500 m^3
Internal pipeline material	stainless steel
Weight	approx. 200 kg
Swivel casters	swivel casters with directional lock

ortner
cleanrooms unlimited

www.ortner-group.at

Print: 08/2021