

Datasheet OXY-3 systems



NoviNato OXY-3 system

The NoviNato OXY-3 product series is an industrial water treatment system for water disinfection and chloramine reduction in public swimming pools.

The system combines three oxidative electro disinfection principles without the addition or production of chemicals or gases. The combination of the production of radicals in the oxidation cell with a medium-pressure UV-C system and copper ionisation enables optimum disinfection without the formation of harmful by-products.

The compact design of the NoviNato OXY-3 systems makes it easy to install in existing installations and can be easily implemented in new-build constructions.

The integrated control panel is equipped with electronic lamp power supplies, switched and adjustable power supplies for oxidation and ionisation, LCD display, easy-touch keypad, hour counter, lamp status indication, external on/off input, flow switch input, temperature sensor with limit monitoring/signalling and ModBus communication with internet connection. Each system has a high temperature sensor on the chamber and in the control panel as standard for added safety.

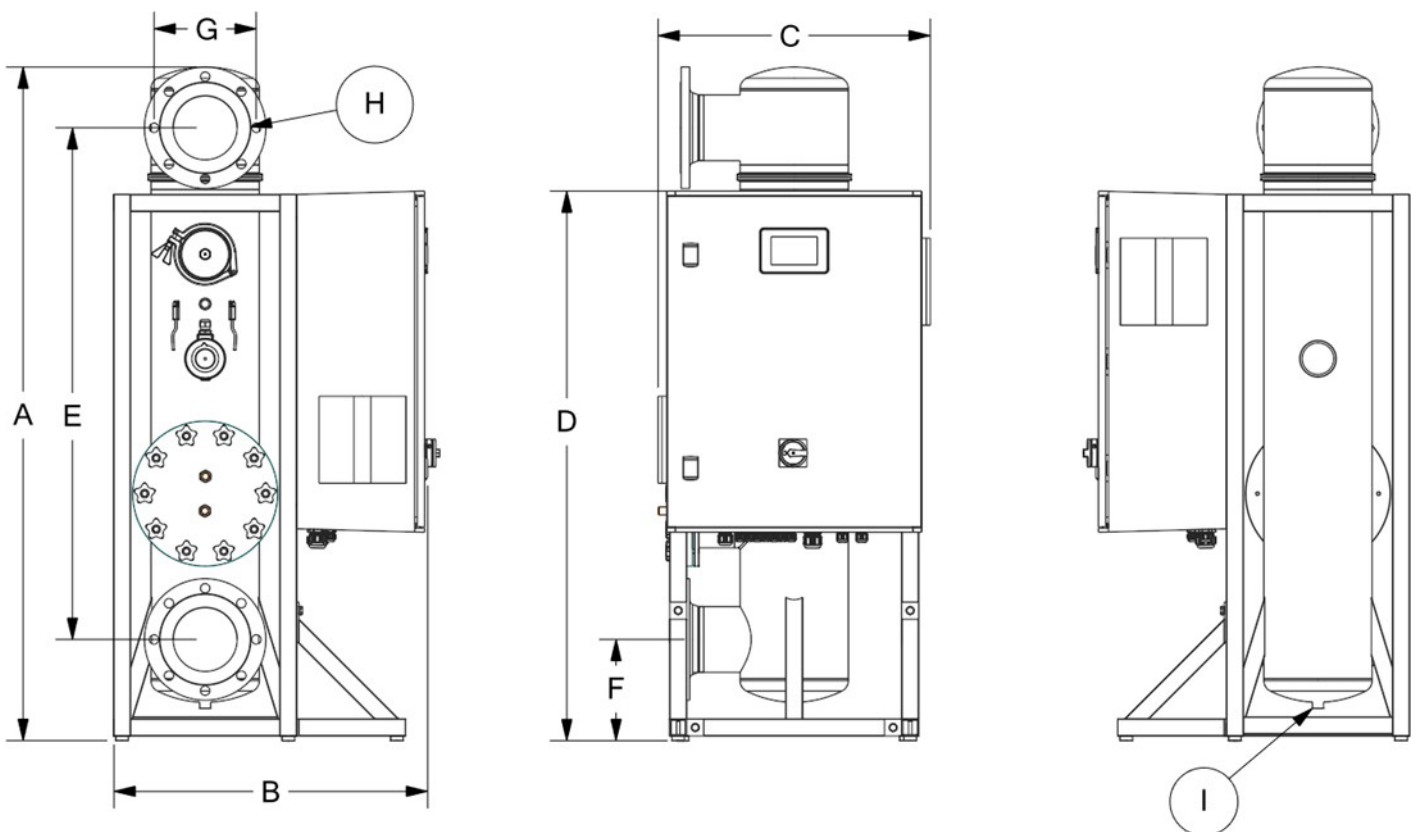
- Plug and play system
- In-out water with flange connections
- Rotating (360°) main water outlet
- Adjustable self-supporting frame
- Stainless steel 316L housing
- Oxidation cell with polarity switch
- Electrolytic copper electrode
- Visual lamp function control on the oxidation process
- Single-end bayonet technology (SBT) for easy and safe maintenance and replacement
- Medium Pressure UV Lamp with a lifespan of 9,000 hours; cyclically programmable.
- LCD display for all functions

NoviNato OXY-3 product series

| Model | Build | Max. pressure | Capacity | Performance | Max. power consumption |
|--------|-------|---------------|---------------------|--|------------------------|
| | | | Flow | | |
| | | [bar] | [m ³ /h] | kw h | Watt |
| S 1500 | U | 2 | 40-80 | 1,5 kW UV + 0,81 kW O ₂ -Cu ₂ ⁺ | 1.581 W |
| M 2500 | U | 2 | 80-130 | 2,5 kW UV + 0,31 kW O ₂ -Cu ₂ ⁺ | 2.631 W |
| L 3500 | U | 2 | 130-190 | 3,5 kW UV + 1,91 kW O ₂ -Cu ₂ ⁺ | 3.691 W |

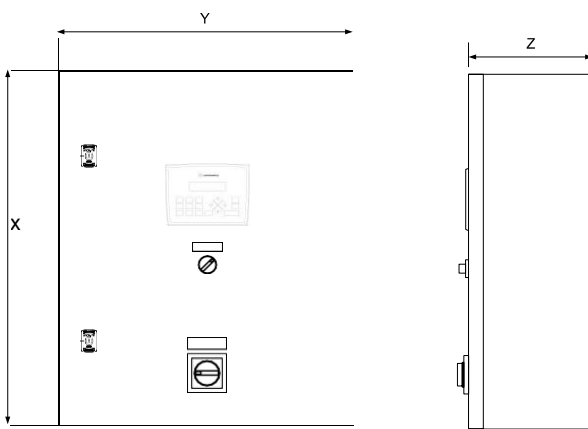
NoviNato OXY-3 housing

| Model | Max. pressure | Connection (DN) | Dry weight | Wet weight | A | B | C | D | E | F | G | H | I |
|---------------|---------------|-----------------|------------|------------|------|-----|-----|------|------|-----|-----|-----|-----|
| | | | | | [mm] | | | | | | | | |
| Small S 1500 | 2 | 110 | | | | | | | | | | | |
| Medium M 2500 | 2 | 150 | 132 | 299 | 1580 | 730 | 640 | 1280 | 1200 | 237 | 240 | 160 | 1/2 |
| Large L 3500 | 2 | 200 | 145 | 342 | 1955 | 850 | 640 | 1580 | 1480 | 280 | 295 | 200 | 1/2 |



NoviNato OXY-3 controller housing

| | Compact | | |
|------------------------|-----------------|------|----|
| | [mm] | [kg] | IP |
| NoviNato Oxy-3 control | 600 x 800 x 300 | 31,5 | 65 |


Contact

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