

Datasheet OXY-3[®] systems (ECD)



NoviNato OXY-3 system

The NoviNato OXY-3[®] product range is an industrial water treatment system for water disinfection and chloramine reduction in public and commercial swimming pools.

The system combines three principles of oxidative electro-disinfection without the addition or production of chemicals or gases.

The electro-unit generates a powerful electric field that destroys germs by electrocution. At the same time, the water molecule (H₂O) is hydrolysed into Reactive Oxygen Species (R.O.S), better known as free radicals.

Combined with a medium pressure UV-C system and copper ionisation, this provides 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.

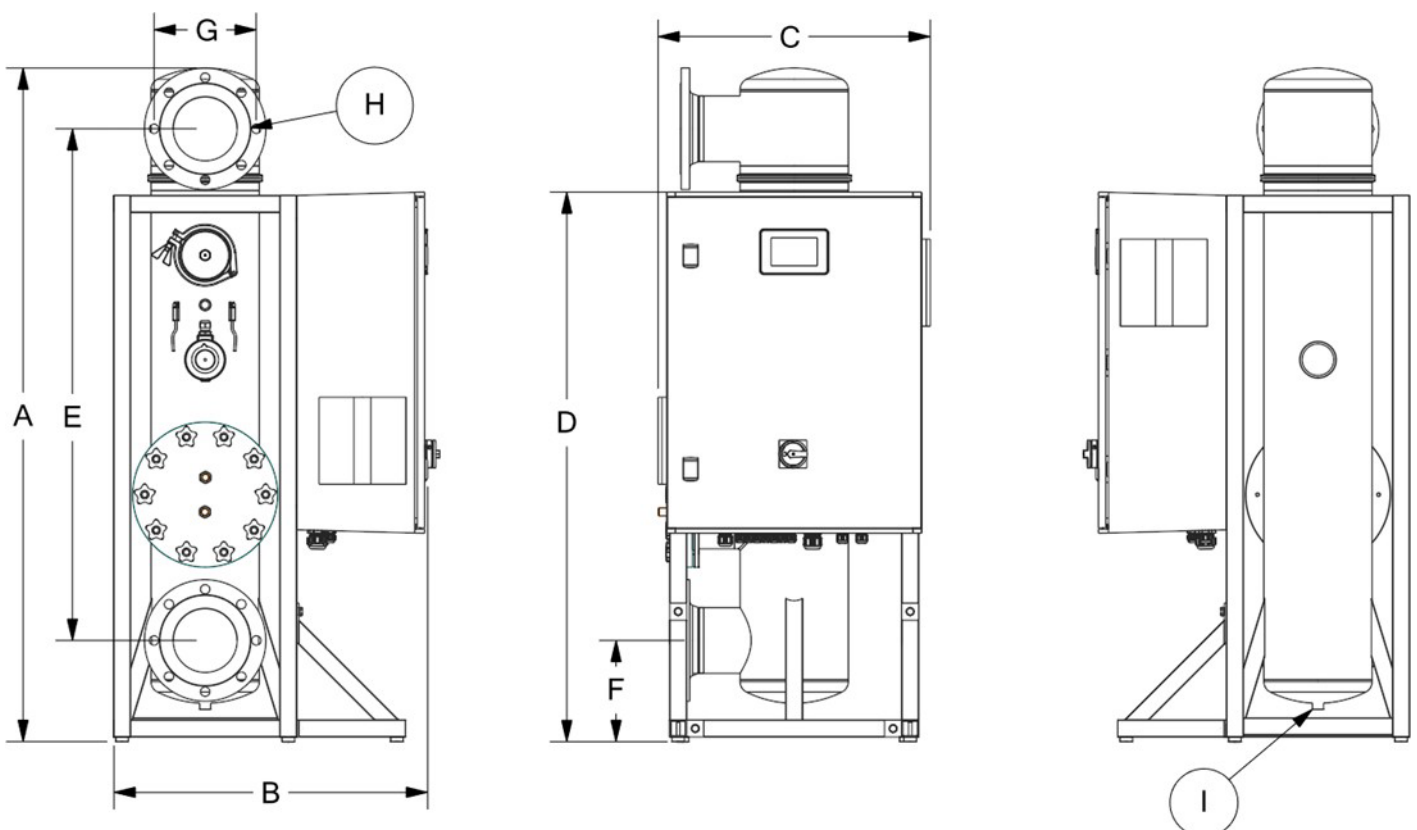
- Plug and play system
- In-out water with flange connections
- Rotating (360°) main water outlet
- Adjustable self-supporting frame
- Stainless steel 316L housing
- Oxidation cell with polarity switch
- Electrolytic copper electrode
- Visual lamp function control on the oxidation process
- Single-end 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 | KWh | Watt |
| compact | Info will follow | | | | |
| S 1500 | U | 2 | 40-80 | 1,5 kW UV + 0,81 kW O2-Cu2+ | 1.581 W |
| M 2500 | U | 2 | 80-130 | 2,5 kW UV + 0,31 kW O2-Cu2+ | 2.631 W |
| L 3500 | U | 2 | 130-190 | 3,5 kW UV + 1,91 kW O2-Cu2+ | 3.691 W |

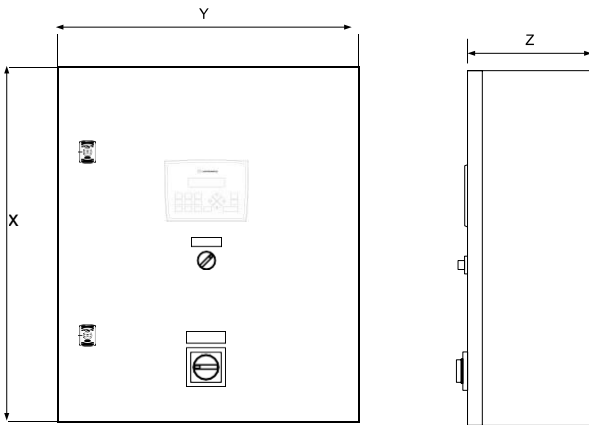
NoviNato OXY-3 housing

| Model | Max. pressure | Connection (DN) | Dry weight | Wet weight | A | B | C | D | E | F | G | H | I |
|---------------|-----------------------------|-----------------|------------|------------|-------|-----|-----|-----------|------|-----|-----|-----|-----|
| | | | | | [bar] | kg | kg | [mm] inch | | | | | |
| compact | See datasheet OXY-3 COMPACT | | | | | | | | | | | | |
| 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 Large | 800 x 600 x 300 | 31,5 | 65 |



Contact

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