



The water treatment model plants “IDRA” have been designed to meet the needs of all companies that need to treat the polluted water from industrial processes and reuse them in the production process.

The plant allows the separation of the pollutant from the water through a chemical-physical process (flocculating powder) and filtration.

The plant is made up of a reaction tank in which the polluted water is added with flocculating powder and the separation and thickening of the pollutant into flakes takes place through mechanical stirring.

A belt filter allows total separation between the water destined for reuse and the staple destined for disposal.

Two service tanks, one for containing the water to be treated, the other for receiving the clarified water, complete the layout of the system.

MAIN FEATURES:

- On-board electrical panel for managing the settings.
- PLC with dedicated program.
- Possibility to program several cycles continuously, in total autonomy, without the need for the presence of an operator.
- Set up for remote control and diagnostics on customer devices (4.0 setting).
- Automatic loading of the water to be treated.
- Flocculant powder dispenser with minimum level control sensor.
- Belt filtration group with roll filter in non-woven fabric.
- Safety control sensor for belt filter exhaustion.
- Safety level sensor to control the overflow of the water tank to be treated.
- Safety level sensor to control the clarified water tank overflow.
- Safety level sensor to check the presence of flocculant powder in the dispenser.
- Low height to facilitate maintenance of the system and its transport.

MODELS WE OFFER

- Load capacity: 300 - 500 liters

IDRA

STANDARD FEATURES

| MODEL | IDRA-300 | IDRA-500 |
|--|-------------------------|-------------------------|
| <i>Power supply</i> | 400 V 3 PH + N 50 Hz | 400 V 3 PH + N 50 Hz |
| <i>Consumption of flocculating powder</i> | 2-4 g / l | 2- 4 g / l |
| <i>Hourly productivity</i> | 100-300 l / h | 200-500 l / h |
| <i>Installed power</i> | 2,5 kw | 2,5 kw |
| <i>Compressed air consumption at 6 bar</i> | 100 l / min | 100 l / min |
| <i>Service tank capacity</i> | 1,000 l / each in PET | 1,000 lt / each in PET |
| <i>Dosing capacity</i> | 30 lt | 30 lt |

OPTIONAL

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| <i>Remote control and assistance system by the manufacturer via LAN line</i> |
| <i>PH correction system</i> |
| <i>Carbon filter with granular activated carbon to retain any organic residues in the treated water</i> |
| <i>Resin mixed bed filter</i> |
| <i>Automatic flocculant powder dispenser filling system</i> |
| <i>Turbid-meter with automatic pumping system of the water into</i> |
| <i>Sludge compactor</i> |

CONSUMABLES

| | | |
|----------------------------|--------------|--------------|
| <i>Flocculating powder</i> | 20/25kg bags | 20/25kg bags |
| <i>Liquid PH corrector</i> | 30Kg tank | 30Kg tank |
| <i>Non-woven fabric</i> | 100m roll | 100m roll |