

CONTROL CABINET FOR BIOXYMOP MAX 6346

6339

1 Technical definition

The three-phase electrical cabinet supplies and controls the two pumps and the blower of the BIOXYMOP MAX 6346 wastewater treatment plants.

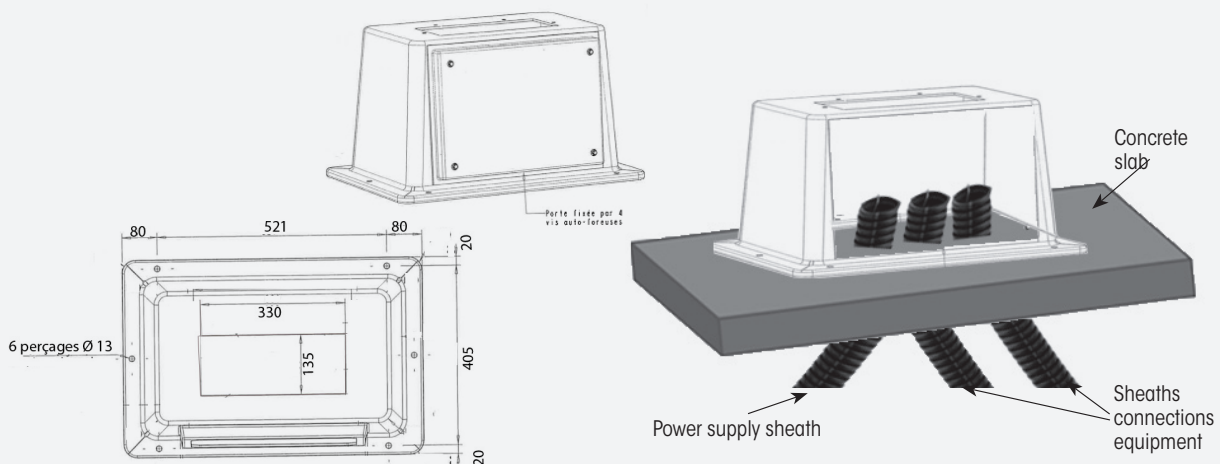
Comprising a lockable, watertight polyester enclosure with double door, and a polyester base, it can be installed outdoors on a wall or on a base (supplied). It can also be installed indoors in a ventilated technical room.



WASTEWATER TREATMENT | WWTP > 20 PE

PE SOCKET (supplied)

A concrete slab will need to be laid to secure the base, and cable ducts installed to supply power to the cabinet and connect the station's equipment.



CONTROL CABINET

FOR OXYMOP 6346

Accessories

6339

2 Description

OUTDOOR WATERPROOF BOX ON BASE

Supply of a watertight double-door box on a base including the equipment required to control the electromechanical elements of the 400V three-phase (neutral + 3 phases) wastewater treatment plant.

Equipped with :

Part Power :

- 1 main switch on inner door
- 1 general differential switch 4x25A 300mA
- 2 pump outputs 0.55 kW via 2 three-phase motor circuit breakers with fault indication unit
- 1 compressor start 0.8 to 7.5 kW by 1 three-phase motor circuit breaker with fault indication unit
- 2 "Auto/0/Forcée" control switches
- 1 terminal block for power cables

Command section:

- 1 analogue daily programmable time switch vertical dial minimum programming 15 minutes power reserve 100H for ventilation (setting according to chronograms of your supply)
- 2 cyclic dosers adjustable in minutes or hours (separate but repetitive ON and OFF times) for extraction and recirculation
- 3 fault LEDs (2 pumps and 1 compressor)
- 1 lighting column with a green "Power on" LED and a red "Fault" LED

Envelope

- 1 Polyester enclosure PLM 530 x 430 x 200 IP66
- 1 Solid metal frame 500x400
- 1 PLM 54 interior door
- 1 Stand L 670 x W 530 x H 370

Protections - equipment

- 1 Switch-disconnector VCCDN 3P 690V 20A red handle padlockable
- 1 DX 3 -ID 4PG 25A AC 300 mA
- 1 4-module 100A tetrapolar distributor
- 1 DX 3 1P + NG C2 4500A/6 kA
- 2 GV2ME 2.5 to 4A 3P 3D motor-magneto-thermal circuit breakers
- 1 GV2ME 6 to 10A 3P 3D motor-magneto-thermal circuit breaker
- 3 Auxiliary motor fault contacts
- 2 CX 3 CT 230V 4F 25A joystick
- 1 IH analog J 1M RDM
- 1 TeSys LC1K 3P 'AC-3 440V 9A coil 230 V Ac contactor
- 2 Flashers 24 V Dc 24 240 V Ac

Indicator

- 1 Harmony round indicator Ø 22 - IP66 - white - Integrated LED - 240V
- 3 Harmony round indicator Ø 22 - IP66 - red - Integrated LED - 240V

Illuminated column

- 1 XVP accessory tube with integrated foot l: 112 mm Alu black
- 1 Permanent green signal light 250V
- 1 Permanent red signal light 250V
- 1 Base and cover for XVP column black IP65
- 2 BA15d 230V 7W colourless incandescent signal lamps

Cabinet reference	Power kW
AE301/6339/2 - A	1,1
AE301/6339/3 - A	1,5
AE301/6339/4 - A	2.2/3,3/3
AE301/6339/5 - A	7,5
AE301/6339/4 - AD	4.4/6,6/6
AE301/6339/5 - AD	15

*the cabinet reference is determined by the station reference, see data sheets 6346.

3 Options

AE301/6339/OPT1	Flash red glass, fault indication, on signal towers
AE301/6339/OPT2	Heating resistor
AE301/6339/OPT3	3 hour meters on inner door, for 2 pumps and compressor
AE301/6339/OPT5	230V single-phase socket on inner door
AE301/6339/OPT6	General voltmeter with switch for measuring phase-to-phase and phase-to-neutral voltages
AE301/6339/OPT7	GSM forwarding, GSM telephone transmitter, motor fault and voltage presence signalling via 12V battery
AE301/6339/OPT8	Buzzer
AE301/6339/OPT9	1 M/0/A switch per motor
AE301/6339/OPT10	1 M/0/A switch per por motor

4 Installation

The cabinet is designed to be installed either on an external concrete slab, or in the same technical room as the blower(s).