

**DIE TEMPERATURE CONTROLLERS  
COOLING WATER MANAGEMENT & CONTROL SYSTEM**

# PLUNGER PAD SYSTEM



*Plunger Pad  
System*



# PLUNGER PAD SYSTEM

## Cooling water management & control system



“Boosting Pump” system with adaptive Inverter on the pump, with detection (monitoring) of the temperature difference between delivery and return.

Circulation pump with adaptive system that adjusts the flow of the heat load.

Advantages:

- Protected and prolonged duration of the life of the pump
- Optimization of energy consumption
- Possibility of setting on pressure or flow control
- Possibility to connect an external refrigerator in case of needed temperature to the piston, lower than main water one.
- Digital control by PLC TD240
- Display of events and faults messages
- Communication with all kind of protocols (Modbus, Profibus, Profinet, Ethernet, Datanet etc.)

VERSION 2018 PLUNGER:	“Plug and play” version 20°C;
CODE	CCPDO36;
COOLING FLUID	Network water/cooling water;
N. OF ZONES	Single zone circuit;
ELECTRIC PUMP CHARACTERISTICS	Circulation pump, vertical, multistage, mechanical seal, 75 l/m, 9 bar, 1,5 kW; Curve trend operation, at 8 bar / 25 liters per minute, with inverter control;
ELECTRICAL POWER SUPPLY	Power supply 400V+3F+PE, 50/60Hz;
ADAPTIVE CONTROL	Variation of the flow rate according to the thermal load;
FLOW RATE CONTROL	Flow rate control through digital flow meter on delivery;
PRESSURE CONTROL	Pressure control through digital transducer;
ELECTRICAL PANEL	IP55;
ELECTRONIC INSTRUMENTATION	Electronic temperature controller device with PLC IECI TD240 Touch Screen, dual colour display 3,5”;
FRAME	3mm epossidic painted;
DIMENSIONS	h1200x1300x500 mm;
WEIGHT	110 Kg.