

TEMPERATURE CONTROL UNITS



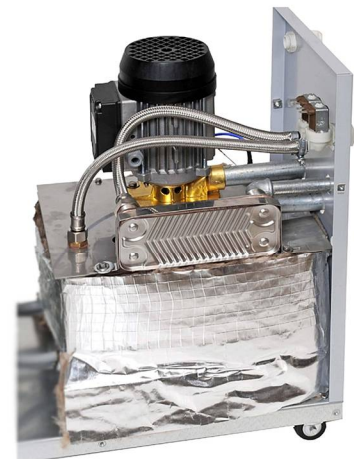
MTR SMART

TECHNICAL DATA MTR SMART :

- PID temperature control in cooling and heating process
- Serial interface 4-20mA, RS 485, 0-10 volt
- Pump works under pressure and reverse sense
- Hose rupture and leakage monitor
- Sensor failure monitor
- Tank and heaters made of stainless steel
- Indirect cooling system
- Magnetic water level sensor
- Automatic water feeding
- Castors

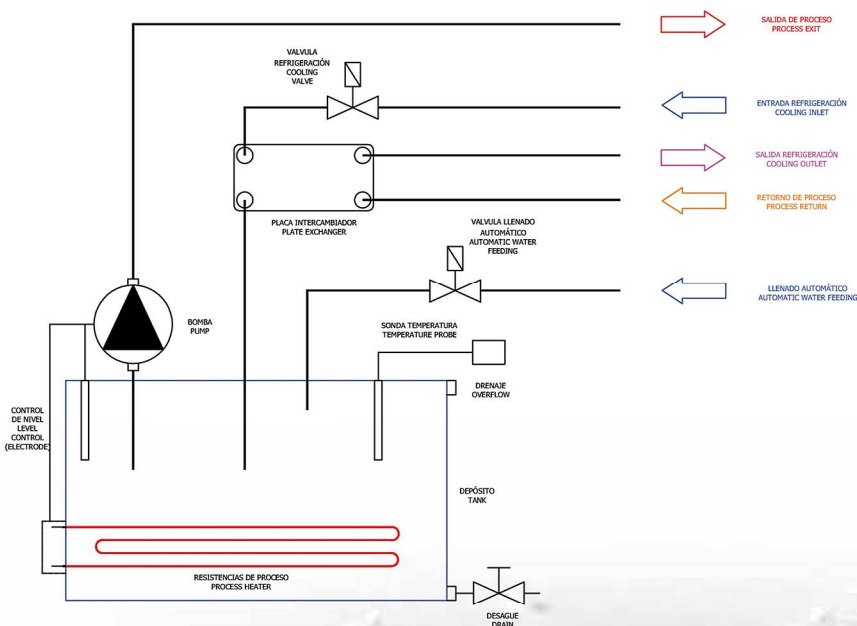
OPTIONS:

- Double water outlet kit
- Flow rate control
- 60 lit/min 5.8 bar pump
- External sensor
- PT100 process sensor
- Return of process temperature indication
- Security thermostat
- Acoustic alarm
- Solid State Relay



Water units internal view

Open Tank Water Unit Diagram



MTR SMART 2 - 4

TECHNICAL DATA MTR SMART 2 - SMART 4:

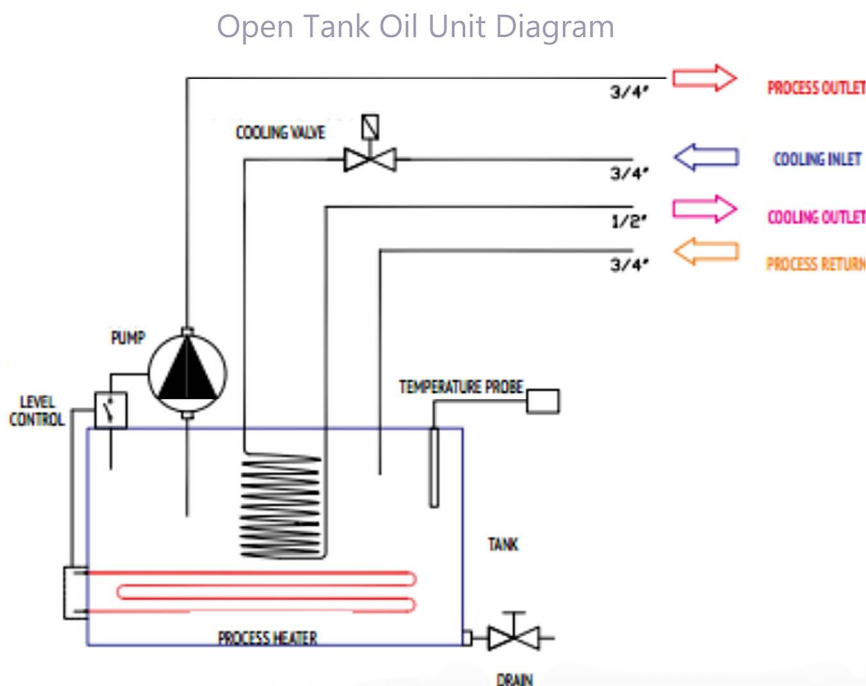
- PID temperature control in cooling and heating process
- Serial interface 4-20mA, RS 485, 0-10 volt
- Pump works under pressure and reverse sense
- Hose rupture and leakage monitor
- Sensor failure monitor
- Tank and heaters made of stainless steel
- Indirect cooling system
- Magnetic water level sensor (only water units)
- Automatic water feeding (only water units)
- Castors

OPTIONS:

- Double water outlet kit
- Flow rate control
- Different types of pumps (see table)
- External sensor
- PT100 process sensor
- Return of process temperature indication
- Security thermostat
- Acoustic alarm
- Solid State Relay



Oil units internal view



TECHNICAL DATA

Modelo / Model / Modelle		Smart	Smart 2 W	Smart 4 W	Smart 6 W
Fluido Fluid Flüssigkeit		Agua / Water / Wasser			
Temperatura máxima Maximum temperature Maximale temperatur	°C	90			
Control PID temperatura PID temperature control PID-Steuerung (Temperaturregelung)		•	•	•	•
Potencia calefacción Heating power Heizleistung	3Kw	•	•		
	6 Kw	•	•		
	9 Kw		•		
	12 Kw			•	
	18 Kw			•	•
	24 Kw				•
	30 Kw				•
36 Kw					•
Capacidad refrigeración Cooling power Kühlleistung	Kw	40	40	40 / (*) 235	235 / (*) 450
Capacidad deposito Tank capacity Tankinhalt	lit.	12	20	35	70
Bomba Pump Pumpenleistung	Max.Flow Max.Pressure Power	60 lit/min 3,5 bar 0,9 kw	60 lit/min 3,5 bar 0,9 kw	60 lit/min / (*) 200 lit/min 3,5 bar / (*) 5,8 bar 0,9 kw / (*) 2,8 kw	200 lit/min 5,8 bar 2,8 kw
Conexiones hidráulicas de proceso Hydraulic process connections Hydraulische Prozessanschlüsse	↻	3/4"	3/4"	3/4" / (*) 1 1/2"	1 1/2"
	↻	3/4"	3/4"	3/4" / (*) 1 1/2"	1 1/2"
Conexiones hidráulicas de refrigeración Hydraulic cooling connections Kühlung hydraulische Anschlüsse	↻	3/4"	3/4"	3/4"	1/2"
	↻	1/2"	1/2"	1/2"	1/2"
Dimensiones Dimensions Abmessungen	mm	295 x 575 x 495h	330 x 610 x 690h	365 x 750 x 785h	500 x 850 x 1020h
Peso weight Gewicht	kg	40	47	60	110
Alimentación eléctrica / Voltage / Spannung	V/Ph/Hz	400/3/50-60/PE			

(*) OPTION

Modelo / Model / Modelle		Smart 2 A	Smart 4 A	Smart 6 A
Fluido Fluid Flüssigkeit		Aceite / Oil / Öl		
Temperatura máxima Maximum temperature Maximale temperatur	°C	200		
Control PID temperatura PID temperature control PID-Steuerung (Temperaturregelung)		•	•	•
Potencia calefacción Heating power Heizleistung	3Kw	•		
	6 Kw		•	
	9 Kw		•	
	18 Kw		•	•
	24 Kw			•
	30 Kw			•
Capacidad refrigeración Cooling power Kühlleistung	Kw	20	40	80
Bomba Pump Pumpenleistung	Max.Flow Max.Pressure Power	60 lit/min 3,5 bar 0,9 kw	60 lit/min / (*) 200 lit/min 3,5 bar / (*) 5,8 bar 0,9 kw / (*) 2,8 kw	200 lit/min 5,8 bar 2,8 kw
Capacidad deposito tank capacity Tankinhalt	lit.	20	35	70
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Dimensiones Dimensions Abmessungen	mm	330 x 610 x 690h	365 x 750 x 785h	500 x 850 x 1020h
Peso weight Gewicht	kg	47	60	110
Alimentación eléctrica / Voltage / Spannung	V/Ph/Hz	400/3/50-60/PE		

(*) OPTION



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