## More than 25.000

- Chillers in

Operation

TECHNOLOGY IN CHILLER


## Quality Policy



## Prefessional Happiness

## Client's Satisfaction

Just settle down when the best solution for the success of our clients is
achieved.

## Continuous Innovation

To be recognized as a technology company, reference in innovation and pioneerism.

## OUR CLIENTS



Auto Industry
GAGNET (FD) BOSCH SARICHELI

Food Industry



## Pharmaceutical Industry



Home Appliances
Metalfrio
ELGIN
[al Electrolux
Whirlpool
HITACHI Inspire the Next

Mechanical and Metallurgical Industry


Datacenters

## HostDime MAGICCSMP gregn AIII ClarO' america.net ${ }^{85}$

Others
ALSTOM
प-BASF
Colgate ${ }^{\circ}$

<embraer


ZAEINN

# PLASTICS TRANSFORMATION 

## Thermal control in deformation of plastics

Precise temperature control is essential in the plastics industry. For every application and raw material processed there is an ideal cooling or heating solution.



Modular and Compact DryCooler


ThermoRegulator


Chiller Line


ThermoChiller


Dry and cold Air Units


Heat Exchanger

# COOLING PROCESSES 

## Chiller

Chillers operate in a refrigerator cycle to cool the water.
The heat extracted from the process by the water, added to the power of the compressors, is dissipated through the flow of ambient air or industrial water.



## Compact Chiller MSA

## MiniChiller MCA

- Refrigeration capacity from 3 to $9.000 \mathrm{kcal} / \mathrm{h}$.
- Easy-to-operate microprocessor control.
- Economy and ease installation.

- Refrigeration capacity from 5 to $100.000 \mathrm{kcal} / \mathrm{h}$.
- CLP with touch screen and full fault diagnosis.
- Double refrigeration circuit from $30.000 \mathrm{kcal} / \mathrm{h}$.
- Adjustable chilled water temperature from 5 to $25^{\circ} \mathrm{C}$.
- Eco-friendly coolant R-410A that does not harm the ozone layer.
- Integrated stainless steel reservoir and pump.
- Air-cooled with high-efficiency microchannel heat exchangers.

| Model ${ }^{(1)}$ | Rated Power ${ }^{(2)}$ <br> kcal/h | Steady Power ${ }^{(3)}$ <br> kW | Power Installed ${ }^{(3)}$ <br> kVA | Dimensions in millimeters |  |  | Process Pump |  | Water tank <br> liters | Condenser Air <br> $\mathrm{m}^{3} / \mathrm{h}$ | $\qquad$ <br> Condens. Process | Weight <br> kg |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Width | Length | Heigth | $\mathrm{m}^{3} / \mathrm{h}$ | mca |  |  |  |  |
| MCA-3 | 3.000 | 2,0 | 3,0 | 483 | 656 | 868 | 0,9 | 23 | 20 | 2.400 | 3/4" | 150 |
| MCA-5 | 5.000 | 2,5 | 3,8 | 483 | 666 | 868 | 1,4 | 30 | 20 | 2.400 | 3/4" | 165 |
| MCA-9 | 9.100 | 3,5 | 6,8 | 565 | 990 | 1.058 | 2,3 | 24 | 27 | 3.350 | $1{ }^{\prime \prime}$ | 180 |
| MSA-5 | 6.610 | 3,5 | 7,0 | 670 | 920 | 1.285 | 1,5 | 30 | 30 | 7.500 | $1 "$ | 180 |
| MSA-9 | 10.040 | 4,6 | 9,1 | 670 | 920 | 1.285 | 1,5 | 30 | 30 | 7.500 | $1 "$ | 200 |
| MSA-15 | 16.400 | 6,3 | 11,4 | 802 | 951 | 1.382 | 3,2 | 30 | 30 | 8.000 | 1.1/2" | 300 |
| MSA-22 | 22.400 | 8,8 | 14,7 | 860 | 1.258 | 1.540 | 6,2 | 30 | 60 | 8.000 | 1.1/2" | 370 |
| MSA-30 | 30.500 | 10,5 | 19,2 | 831 | 1.363 | 1.945 | 6,2 | 30 | 60 | 8.600 | 1.1/2" | 430 |
| MSA-45 | 43.400 | 17,6 | 27,8 | 831 | 1.663 | 1.945 | 16,4 | 30 | 120 | 17.200 | $2^{\prime \prime}$ | 500 |
| MSA-60 | 65.800 | 23,4 | 37,7 | 831 | 1.663 | 1.945 | 16,4 | 30 | 120 | 16.000 | $2^{\prime \prime}$ | 525 |
| MSA-75 | 78.000 | 25,6 | 44,2 | 831 | 2.233 | 1.945 | 16,4 | 30 | 110 | 24.000 | $2^{\prime \prime}$ | 600 |
| MSA-100 | 101.500 | 36,9 | 62,5 | 831 | 2.520 | 2.250 | 24,5 | 37 | 110 | 32.100 | $3^{\prime \prime}$ | 720 |

1. Dual independent cooling circuit is standard from MSA-30 onwards.
2. Cooling capacities valid for chilled water leaving at $10^{\circ} \mathrm{C}$, returning at $14^{\circ} \mathrm{C}$ and ambient temperature of $27^{\circ} \mathrm{C}$.
3. Active power with chiller operating at $100 \%$ capacity with chilled water at $10^{\circ} \mathrm{C}$.
4. Total power for dimensioning the electrical installation must not be considered as energy consumption. For data on customized equipment, consult Mecalor Engineering.

## Compact Chiller MSW

- Refrigeration capacity from 5 to 75,000 kcal/h.
- Adjustable chilled water temperature from 5 to $25^{\circ} \mathrm{C}$.
- Ecological coolant R-410A.
- Integrated stainless steel reservoir and pump.
- CLP with touch screen and full fault diagnosis.
- Double refrigeration circuit from 30,000 kcal/h.

Water condensation with high efficiency plate heat exchanger


| Model ${ }^{(1)}$ | Rated <br> Power ${ }^{(2)}$ <br> kcal/h | Steady <br> Power <br>  <br> (3) <br> kW | Power Installed(x) <br> kVA | Dimensions in millimeters |  |  | Process Pump |  | Water tank <br> liters | Condenser Air <br> $\mathrm{m}^{3} / \mathrm{h}$ | Pipe Diameter |  | Weight <br> kg |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Width | Length | Heigth | $\mathrm{m}^{3} / \mathrm{h}$ | mca |  |  | Condens. | Process |  |
| MSW-5 | 6.430 | 2,4 | 5,5 | 670 | 920 | 1.031 | 1,5 | 32 | 30 | 1,5 | $1{ }^{\prime \prime}$ | 1 " | 180 |
| MSW-9 | 9.820 | 3,4 | 7,6 | 670 | 920 | 1.031 | 3,1 | 26 | 30 | 2,3 | $1{ }^{\prime \prime}$ | $1{ }^{\prime \prime}$ | 200 |
| MSW-15 | 16.850 | 4,8 | 9,9 | 802 | 900 | 1.406 | 4,0 | 29 | 65 | 3,9 | 1.1/2" | 1.1/2" | 300 |
| MSW-22 | 23.000 | 6,9 | 13,2 | 802 | 900 | 1.406 | 6,2 | 30 | 80 | 5,5 | 1.1/2" | 1.1/2" | 370 |
| MSW-30 | 32.800 | 8,7 | 17,7 | 828 | 1.250 | 1.573 | 6,2 | 30 | 115 | 7,6 | 1.1/2" | 1.1/2 ${ }^{\prime \prime}$ | 500 |
| MSW-45 | 44.000 | 13,7 | 25,0 | 828 | 1.250 | 1.573 | 11,1 | 41 | 115 | 10,6 | 1.1/2" | 1.1/2" | 700 |
| MSW-60 | 70.800 | 18,9 | 34,5 | 828 | 1.250 | 1.573 | 16,0 | 30 | 215 | 16,2 | $2^{\prime \prime}$ | 2 " | 800 |
| MSW-75 | 81.400 | 21,4 | 39,9 | 830 | 1.250 | 1.573 | 16,0 | 30 | 215 | 18,2 | $2{ }^{\prime \prime}$ | 2 " | 850 |

[^0]
## Industrial Chiller RLA

- Refrigeration capacity from 130,000 to $850,000 \mathrm{kcal} / \mathrm{h}$.
- Adjustable chilled water temperature from 5 to $25^{\circ} \mathrm{C}$.
- Ecological coolant R-410A.
- Integrated stainless steel reservoir and pump.
- CLP with touch screen and full fault diagnosis.
- Double independent cooling circuit.


| Model ${ }^{(1)}$ | Rated <br> Power ${ }^{(2)}$ <br> kcal/h | Steady <br> Power ${ }^{(3)}$ <br> kW | Power Installed ${ }^{(3)}$ <br> kVA | Dimensions in millimeters |  |  | Process Pump |  | Water tank <br> liters | $\underset{\text { Condenser }}{\text { Air }}$ | Pipe <br> Diameter <br> Condens. Process | Weight <br> kg |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Width | Length | Heigth | $\mathrm{m}^{3} / \mathrm{h}$ | mca |  |  |  |  |
| RLA-130 | 126.800 | 47,5 | 75,0 | 1.143 | 2.604 | 2.619 | 33,0 | 42 | 290 | 43.000 | $3^{\prime \prime}$ | 1.500 |
| RLA-170 | 166.600 | 55,8 | 91,9 | 1.873 | 2.570 | 2.280 | 36,4 | 37 | 160 | 69.000 | $3{ }^{\prime \prime}$ | 1.400 |
| RLA-210 | 212,000 | 72.1 | 118,8 | 1.873 | 2.570 | 2.280 | 60,0 | 30 | 160 | 69.000 | $3{ }^{\prime \prime}$ | 1.450 |
| RLA-260 | 252.800 | 88.3 | 145.8 | 2.396 | 2.576 | 2.759 | 66,0 | 30 | 420 | 86.000 | $4^{\prime \prime}$ | 2.000 |
| RLA-330 | 326.000 | 107.9 | 187.7 | 2.396 | 3.741 | 2.759 | 95,0 | 30 | 420 | 129.000 | $4 "$ | 2.500 |
| RLA-400 | 414.000 | 139,0 | 231,8 | 2.396 | 3.741 | 2.759 | 95,0 | 30 | 420 | 129.000 | 4" | 3.900 |
| RLA-500 | 492.600 | 161,6 | 298,2 | 2.396 | 5.071 | 2.759 | 145,0 | 30 | 730 | 172.000 | $6^{\prime \prime}$ | 4.400 |
| RLA-620 | 627.000 | 205,2 | 350,9 | 2.396 | 6.236 | 2.759 | 145,0 | 30 | 730 | 215.000 | $6^{\prime \prime}$ | 5.200 |
| RLA-800 | 795.000 | 270,6 | 429,2 | 2.396 | 7.401 | 2.759 | 198,0 | 30 | 780 | 258.000 | $6^{\prime \prime}$ | $6.000$ |

1. All models in the RL line have dual independent cooling circuits.
2. Cooling capacities valid for chilled water leaving at $10^{\circ} \mathrm{C}$, returning at $14^{\circ} \mathrm{C}$ and ambient temperature of $30^{\circ} \mathrm{C}$.
3. Active power with chiller operating at $100 \%$ capacity with chilled water at $10^{\circ} \mathrm{C}$.

## Industrial Chiller RLW

- Refrigeration capacity from 80,000 to $850,000 \mathrm{kcal} / \mathrm{h}$.
- Compact and low noise.
- Ecological coolant R-410A.
- Maximum energy efficiency.
- Integrated stainless steel reservoir and pump.
- CLP with touch screen and full fault diagnosis
- Integrated water filter for evaporator and condenser.
- Water condensation with plate heat exchanger with optional adjustable water heating from 40 to $50^{\circ} \mathrm{C}$.

Sturdy construction with fairing


| Model ${ }^{(1)}$ | Rated <br> Power ${ }^{(2)}$ <br> kcal/h | $\begin{gathered} \begin{array}{l} \text { Steady } \\ \text { Power } \end{array} \\ \hline \text { kW } \end{gathered}$ | Power Installed ${ }^{(3)}$ <br> kVA | Dimensions in millimeters |  |  | Process Pump |  | Water tank <br> liters | $\substack{\text { Condenser } \\ \text { Air }}$$\mathrm{m}^{3} / \mathrm{h}$ | Pipe Diameter | Weight <br> kg |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Width | Length | Heigth | $\mathrm{m}^{3} / \mathrm{h}$ | mca |  |  | Condens. Process |  |
| RLW-100 | 105.000 | 29,0 | 56,0 | 1.327 | 1.801 | 2.107 | 24,7 | 36 | 280 | 24,1 | $3^{\prime \prime} \quad 3^{\prime \prime}$ | 1.300 |
| RLW-130 | 133.200 | 38,3 | 69,7 | 1.327 | 1.801 | 2.107 | 33,0 | 42 | 280 | 31,4 | $3^{\prime \prime} \quad 3^{\prime \prime}$ | 1.500 |
| RLW-170 | 167.400 | 46,7 | 85,5 | 1.327 | 1.801 | 2.107 | 36,4 | 37 | 280 | 39,7 | $3^{\prime \prime} \quad 3^{\prime \prime}$ | 1.600 |
| RLW-210 | 221.400 | 60,0 | 108,8 | 1.327 | 1.801 | 2.107 | 60,0 | 30 | 280 | 52,7 | $3^{\prime \prime} \quad 3^{\prime \prime}$ | 1.700 |
| RLW-260 | 264.400 | 74,3 | 132,4 | 2.160 | 2.606 | 2.425 | 66,0 | 30 | 720 | 62,7 | $4^{\prime \prime} \quad 4^{\prime \prime}$ | 2.000 |
| RLW-330 | 333.200 | 92,3 | 167,6 | 2.160 | 2.606 | 2.425 | 95,0 | 30 | 720 | 78,9 | $4^{\prime \prime} \quad 4^{\prime \prime}$ | 2.500 |
| RLW-400 | 441.000 | 117,4 | 211,8 | 2.160 | 2.606 | 2.425 | 95,0 | 30 | 720 | 101,4 | $4^{\prime \prime} \quad 4^{\prime \prime}$ | 3.900 |
| RLW-500 | 499.800 | 138,0 | 271,4 | 2.160 | 2.606 | 2.425 | 145,0 | 30 | 720 | 115,7 | $6^{\prime \prime} \quad 6^{\prime \prime}$ | 4.400 |
| RLW-620 | 648.000 | 174,0 | 317,5 | 2.160 | 2.606 | 2.425 | 145,0 | 30 | 720 | 152,3 | $6^{\prime \prime} \quad 6^{\prime \prime}$ | 5.200 |

1. All models in the RL line have dual independent cooling circuits.
2. Cooling capacities valid for chilled water leaving at $10^{\circ} \mathrm{C}$, returning at $14^{\circ} \mathrm{C}$ and ambient temperature of $30^{\circ} \mathrm{C}$.
3. Active power with chiller operating at $100 \%$ capacity with chilled water at $10^{\circ} \mathrm{C}$.

## ALUDRY | MODULAR



## DryCooler is the eco-friendly replacement for conventional cooling towers.

Numerous industrial processes require cooling water in a temperature range considered "warm" ( $30^{\circ} \mathrm{C}$ to $35^{\circ} \mathrm{C}$ ) and, for such a process, AluDry Mecalor is the best cost-effective option on the market.

Saving water and electricity, in addition to reducing monthly expenses, significantly reduces impacts on the environment.



##   官 4 

Download our content and learn more about Aludry Mecalor.


## Return on investment

DryCooler operating cost is much lower compared to cooling towers. This makes the payback quite attractive, even considering a larger initial investment.

Calculation of Return on Investment (Payback)



## TermoChiller DUO

- Water condensation with plate heat exchanger.
- Water filter for evaporator and condenser.
- High flow and pressure of water for injection and blowing.
- Integrated stainless steel reservoir and pumps.
- Low ( $\Delta \mathrm{T}$ ) for greater precision of the parts produced.
- Two-zone temperature control from 10 to $90^{\circ} \mathrm{C}$.
- Water cooling and heating.
- Ecological coolant R-410A.



## CLP with touch screen

that communicates with the injection molding machine or blower.


| Model | Rated Power ${ }^{\circ}$ <br> kcal/h | Heating power in <br> kW | Steady Power ${ }^{(2)}$ kW | Power Installed(3) <br> kVA | Dimensions in millimeters |  |  | Process Pump ${ }_{(4)}$ |  | Condenser <br> water <br> $\mathrm{m}^{3} / \mathrm{h}$ | Pipe Diameter |  | Weight <br> kg |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Width | Length | Heigth | $\mathrm{m}^{3} / \mathrm{h}$ | mca |  | Process | Condens. |  |
| DUO 9/6 | 9.000 | $2 \times 6$ | 5,4 | 17,4 | 561 | 1.248 | 1.379 | 1,6 | 40 | 2,5 | $1^{\prime \prime}$ | $3 / 4^{\prime \prime}$ | 250 |
| DUO 15/6 | 15.000 | $2 \times 6$ | 7,2 | 26,8 | 561 | 1.248 | 1.379 | 3,2 | 44 | 3,5 | $1^{\prime \prime}$ | $3 / 4$ " | 300 |
| DUO 22/9 | 22.000 | $2 \times 9$ | 12,0 | 38,8 | 561 | 1.248 | 1.379 | 6,8 | 40 | 5,5 | 1.1/2" | 1.1/4" | 350 |
| DUO 35/9 | 35.000 | $2 \times 9$ | 19,6 | 45,5 | 561 | 1.248 | 1.379 | 6,8 | 40 | 9,0 | 2" | 1.1/4 ${ }^{\prime \prime}$ | 400 |
| DUO 45/12 | 45.000 | $2 \times 12$ | 24,3 | 54,4 | 802 | 1.991 | 1.867 | 12,0 | 39 | 10,0 | 2 " | 1.1/2" | 600 |
| DUO 60/12 | 60.000 | $2 \times 12$ | 28,3 | 64,9 | 802 | 1.991 | 1.867 | 12,0 | 39 | 15,0 | $2{ }^{\prime \prime}$ | $2^{\prime \prime}$ | 900 |
| DUO 100/18 | 100.000 | $2 \times 18$ | 39,5 | 107,7 | 802 | 1.991 | 1.867 | 23,9 | 40 | 24,0 | $2.1 / 2^{\prime \prime}$ | 2.1/2" | 1.200 |

[^1]
## Thermoregulator

- Direct or indirect cooling
- Stainless steel electrical resistors
- Precise control with $\pm 0.5^{\circ} \mathrm{C}$ stability
- Stainless steel pump and hydraulic circuit
- Water or oil heating with power from 9 to 50 kW
- Adjustable oil temperature up to $200^{\circ} \mathrm{C}$ (optional up to $300^{\circ} \mathrm{C}$ )
- Adjustable water temperature up to $90^{\circ} \mathrm{C}$ (optional up to $150^{\circ} \mathrm{C}$ )
- High reliability two-way proportional valve


## CLP with touch screen

that communicates with
the injection molding machine or blower


| Model | Heating Potency ${ }^{\text {(1) }}$ kW | Steady <br> Power ${ }^{(2)}$ <br> kW | Power Installed ${ }^{(3)}$ <br> kVA | Dimensions in millimeters |  |  | Process Pump |  | Pipe diameter |  | Weight <br> kg |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Width | Length | Heigth | $\mathrm{m}^{3} / \mathrm{h}$ | mca | Process | Cooling |  |
| TMR-9 | 9 | 0,8 | 11 | 300 | 820 | 591 | 2,0 | 28 | 1 " | 1/2 ${ }^{\text {I }}$ | 50 |
| TMR-12 | 12 | 0,8 | 14 | 300 | 820 | 591 | 2,0 | 28 | $1{ }^{\prime \prime}$ | $1 / 2^{\prime \prime}$ | 50 |
| TMR-18 | 18 | 1,1 | 20 | 300 | 820 | 591 | 5,5 | 30 | 1.1/2" | $3 / 4^{\prime \prime}$ | 50 |
| TMR-21 | 21 | 1,1 | 23 | 329 | 672 | 1.173 | 5,5 | 30 | 1.1/2" | $3 / 4{ }^{\prime \prime}$ | 80 |
| TMR-30 | 30 | 1,1 | 32 | 329 | 672 | 1.173 | 5,5 | 30 | 1.1/2" | $3 / 4{ }^{\prime \prime}$ | 80 |
| TMR-42 | 42 | 2,6 | 47 | 550 | 850 | 1.100 | 16,5 | 30 | 21 | $1 "$ | 200 |
| TMR-50 | 50 | 2,6 | 55 | 550 | 850 | 1.100 | 16,5 | 30 | $2^{\prime \prime}$ | $1{ }^{\prime \prime}$ | 200 |

1. Cooling capacity depends on operating conditions.
2. The TMR is sized to achieve an O T of up to $2^{\circ} \mathrm{C}$ between cold source and process water.
3. Power valid for equipment operating/cooling without heating resistor.
4. Dimensions valid only for TMR and water For oil TMR, consult Mecalor.

## Flexo thermochiller

- Adjustable temperature from 5 to $20^{\circ} \mathrm{C}$ for the calenders and 25 to $50^{\circ} \mathrm{C}$ for the central drum.
- Single $20,000 \mathrm{kcal} / \mathrm{h}$ model for 4 to 12 color flexographic printers.
- Air-cooled with high-efficiency microchannel heat exchangers.
- Precise central drum control with $\pm 0.5^{\circ} \mathrm{C}$ stability.
- Fully stainless steel pump and hydraulic circuit.
- Temperature control in two independent zones.


| Modelo | Cooling ${ }^{(1)}$ | Heating Power in | Regime ${ }^{(2)}$ |  | Dimensions in millimeters |  | Process Pump ${ }^{(3)}$ |  | Piping <br> Process | Weight <br> kg |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | kcal/h | kW | kW | Width | Length | Heigth | $\mathrm{m}^{3} / \mathrm{h}$ | mca |  |  |
| FLEXO-20/9 | 22.400 | 12 | 9,3 | 863 | 1.258 | 1.539 | 5,8 | 20 | 1.1/4" | 450 |

[^2]
## UAF Cold Air Unit

- Remote air condenser option (split type).
- Independent units for air ring and IBC.
- Water condensation with plate heat exchanger.
- Can be installed on the extruder frame.
- Air temperature control with $\pm 0.5^{\circ} \mathrm{C}$ accuracy.
- TFits monolayer or COEX extruders up to 7 layers.
- Air temperature from 5 to $25^{\circ} \mathrm{C}$ to ensure productivity
- Balloon extruders with production of up to $1000 \mathrm{~kg} / \mathrm{h}$ of HDPE/LDPE

Maximum energy


Heat exchanger TC


| Modelo | $\begin{gathered} \begin{array}{c} \text { Cold Air } \\ \text { Flow } \end{array} \\ \hline \mathrm{m}^{3} / \mathrm{h} \end{gathered}$ | Maximum plastic production ${ }^{(2)}$ <br> kg/h | Steady Power ${ }^{(3)}$ <br> kW | Dimensions in millimeters |  |  | Diameter inlet and outlet of air inches | Ice water <br> $\mathrm{m}^{3} / \mathrm{h}$ | Condensation <br> Water$\mathrm{m}^{3 / \mathrm{h}}$ | Diameter of water connections <br> inches | Weight <br> kg |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Width | Length | Heigth |  |  |  |  |  |
| TC-50 | 500 | 80 | - | 694 | 1.066 | 550 | $6^{\prime \prime}$ | 2 | - | 1.1/2* | 50 |
| TC-200 | 2.000 | 250 | - | 899 | 1.235 | 741 | $8^{\prime \prime}$ | 7 | - | 1.1/2* | 80 |
| TC-400 | 4.000 | 500 | - | 1.174 | 1.232 | 965 | $8^{\prime \prime}$ | 15 | - | $2{ }^{\prime \prime}$ | 110 |
| TC-700 | 7.000 | 700 | - | 1.332 | 1.334 | 1.155 | $10^{\prime \prime}$ | 19 | - | 2 " | 200 |
| TC-1000 | 10.000 | 1.000 | - | 1.305 | 1.398 | 1.305 | $12^{\prime \prime}$ | 25 | - | 2.1/2" | 350 |
| UAF-A-1500 | 1.500 | 150 | 694 | 950 | 1.275 | 1.765 | 8" | - | - | - | 350 |
| UAF-A-2500 | 2.500 | 250 | 899 | 950 | 1.275 | 1.765 | $8^{\prime \prime}$ | - | - | - | 450 |
| UAF-A-4000 | 4.000 | 500 | 1.174 | 1.250 | 1.275 | 2.185 | 10 " | - | - | - | 800 |
| UAF-A-6000 | 6.000 | 700 | 1.332 | 1.250 | 1.275 | 2.185 | 10 " | - | - | - | 950 |
| UAF-W-1500 | 1.500 | 150 | 6,5 | 950 | 1.276 | 1.765 | $8^{\prime \prime}$ | - | 7 | 1.1/2 ${ }^{\text { }}$ | 350 |
| UAF-W-2500 | 2.500 | 250 | 11,6 | 950 | 1.200 | 1.765 | $8{ }^{\prime \prime}$ | - | 11 | 1.1/2 ${ }^{\text { }}$ | 450 |
| UAF-W-4000 | 4.000 | 500 | 18,1 | 1.250 | 1.282 | 2.185 | $10^{\prime \prime}$ | - | 14 | 3 " | 800 |
| UAF-W-6000 | 6.000 | 700 | 23,4 | 1.250 | 1.282 | 2.185 | $10^{\prime \prime}$ | - | 24 | 3 " | 950 |

[^3]
## Dry Air Unit UAS

- 40 to $50 \%$ higher energy efficiency when compared to the use of desiccant rotor (chemical).
- Allows chilled water down to $-5^{\circ} \mathrm{C}$ in injection and blow molds, without generating condensation in the cavities.
- It can be an individual unit per mold or a dry air plant for a line of machines.
- Refrigerated dehumidification technology with dew point up to $4^{\circ} \mathrm{C}$.
- Increases productivity and eliminates stains on molded or blown parts.
- Regeneration (reheating dry air) through the condenser itself.
- Specially developed for injection and blow molds.

Does not require installation of chilled water (chiller) for


| Modelo | Dry air flow$\mathrm{m}^{3} / \mathrm{h}$ | $\begin{gathered} \begin{array}{c} \text { Power in } \\ \text { Regime } \end{array} \\ \hline \text { kW } \end{gathered}$ | Dimensions in millimeters |  |  | Diameter of air exit <br> Inches | Weight <br> kg |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Width | Length | Heigth |  |  |
| UAS-1000 | 1.500 | 7,7 | 825 | 1.357 | 2.123 | $8{ }^{\prime \prime}$ | 400 |
| UAS-1500 | 1.500 | 10,3 | 825 | 1.357 | 2.123 | $12^{\prime \prime}$ | 500 |
| UAS-2000 | 1.500 | 16,2 | 1.125 | 1.980 | 2.123 | $12^{\prime \prime}$ | 600 |
| UAS-3000 | 1.500 | 19,1 | 1.125 | 1.980 | 2.123 | $12^{\prime \prime}$ | 850 |

[^4]
## AFTER SALES SERVICES

คree and Lifetime Support Zero cost to troubleshoot over the phone.


Prices
Best value for money on the market.


Clients satisfaction
he average score achieved in recent months was 9.1


## BESPOKZ SOLUTONS

Mecalor has a engineers specialists team to meet the needs and customer requirements, whether in customization of products, in the incorporation of engineering services, complex installations or turn-key projects.


Mecalor, with more than 60 years of experience in complex thermal engineering projects, joins Smardt, world leader of Oil Free compressor technology.
Oil-free, more efficient, and oil-free chillers that serve the most varied markets, with maximum
energy efficiency capable of substantially reducing the cost of electricity. In addition to better performance and performance, chiller with Turbocor ${ }^{\circledR}$ compressors reduce the impact on the environment.

## We provide service in the whole Latin America



Eng. George Szegö, PhD

Mecalor with more than 60 years of experience in complex thermal engineering projects, is exclusively licensed in Latin America by Smardt, World Leader in Chiller Oil Free technology.


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[^0]:    1. Dual independent cooling circuit is standard from MSW-30 onwards.
    2. Cooling capacities valid for cold water leaving at $10^{\circ} \mathrm{C}$, returning at $14^{\circ} \mathrm{C}$ and industrial water at $30^{\circ} \mathrm{C}$.
    3. Active power with chiller operating at $100 \%$ capacity with chilled water at $10^{\circ} \mathrm{C} 4$.
    4. Total power for dimensioning the electrical installation must not be considered as energy consumption. For data on customized equipment, consult Mecalor Engineering.
[^1]:    1. Capacities valid for water leaving at $10^{\circ} \mathrm{C}$ and condensing water at $35^{\circ} \mathrm{C}$.
    2. Electric power in valid regime for equipment operating at $100 \%$ of capacity without.
    heating resistors and with chilled water coming out at $10^{\circ} \mathrm{C}$.
    3. Total power for dimensioning the electrical installation must not be considered as energy consumption.
    4. Valid data for each of the two process pumps.
[^2]:    1. Valid capacity for process water leaving at $15^{\circ} \mathrm{C}$ and ambient temperature of $40^{\circ} \mathrm{C}$
    2. Power valid for equipment operating at $100 \%$ of capacity with chilled water at $10^{\circ} \mathrm{C}$
    3. Data valid for both process pumps.
[^3]:    1. Cold Air Unit (UAF) operates with adjustable air temperature from 5 to $20^{\circ} \mathrm{C}$.
    2. Heat exchanger (TC) operates with air $5^{\circ} \mathrm{C}$ above the available chilled water temperature.
    3. Sizing based on average production of LDPE plastic film with air at $15^{\circ} \mathrm{C}$, valid for air ring.
    4. Active electrical power consumed from the UAF operating at $100 \%$ of capacity.
[^4]:    1. Active power valid for UAS operating at $100 \%$ capacity.
