

Thermovan

Mould temperature controllers

TW – TO – TP series

Benefits:

- High and constant productivity
- Optimisation of the running costs
- Immediate and optimal usage of the unit
- Constant process control
- Continuous operation and long life
- No maintenance cost for the heaters' control
- Short production stops

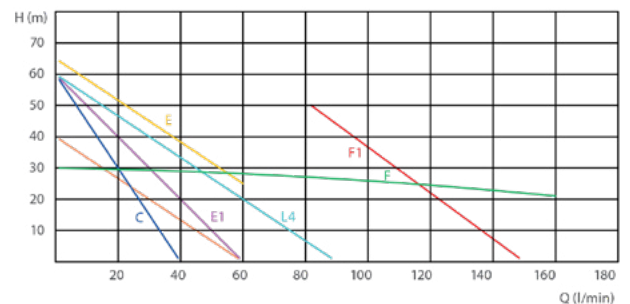
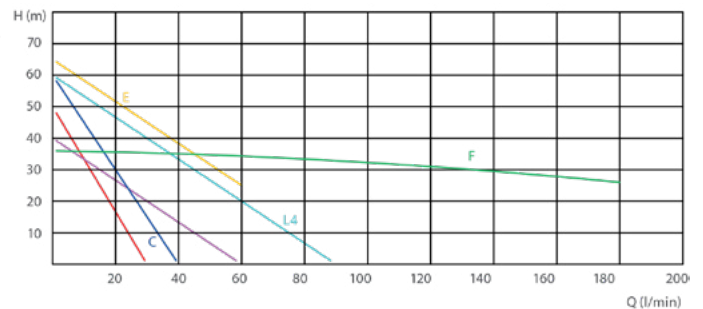


Wf Winfactory 4.0
4.0 R E A D Y

The TW, TO and TP series of Piovan mould temperature controllers has been designed to maintain at a constant temperature the mould cavities, the hydraulic oil of the injection moulding machines, the extruder screws, the calibration heads, the cylinders and calenders of thermoforming lines. Water, oil and pressurised water models operate in a wide range of temperatures, from 20°C up to 250°C.

- TP 6-12, TP 6 ID, TW/TP 112-118-124 pump "C"
- TW9-12
- TP6-12 (160°C)
- TW/TP112-118-124 pump "L4"
- TW/TP112-118-124 pump "E"
- TW/TP112-118-124 pump "F"

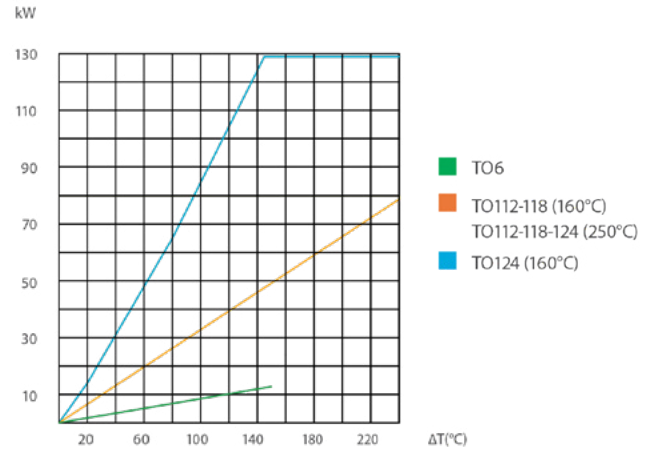
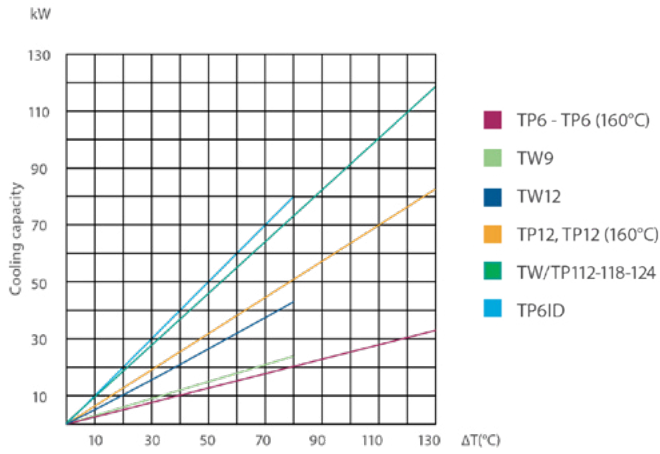
- TO6
- TO112 - pump "C"
- TO112 - pump "L4"
- TO112 - pump "E"
- TO112-118-124 - pump "F"
- TO112 - 250°C - pump "E1"
- TO112-118-124 - 250°C - pump "F1"



Piovan

Customers. The core of our innovation

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| TECHNICAL DATA | | TO6 | TW9 | TW12 | TP6 | TP12 | TP6 160°C | TP12 160°C | TP6ID |
|-----------------------|-------|-------------|-------|------|-------------------|------|-----------|------------|--------|
| Max. temperature | °C | 160 | 90 | | 140 | | 160 | | 90 |
| Operating fluid | | oil | water | | pressurised water | | | | water |
| Heating power | kW | 6 | 9 | 12 | 6 | 12 | 6 | 12 | 6 |
| Cooling type | | indirect | | | | | | | direct |
| Pump power | kW | 0.75 | | | | 0.5 | | | 0.75 |
| Max. pump flow rate | l/min | 60 | | 40 | | 30 | | 40 | |
| Max. pump pressure | m | 40 | | 60 | | 50 | | 60 | |
| Connections - process | | 1/2" F | | | | | | | |
| Connections - cooling | | 1/2" F | | | | | | | |
| Dimensions (LxWxH) | mm | 250x686x678 | | | | | | | |
| Weight | kg | 55 | | | | 60 | | | |

Version: 230-400/3/50; 220-380-460/3/60 - The pump reverse mode is not available for the TP6ID unit.

| TECHNICAL DATA | | TW112 | TW118 | TW124 | TP112 | TP118 | TP124 | TO112 | TO118 | TO124 | TO112 250°C | TO118 250°C | TO124 250°C |
|-----------------------|-------|--------------|-------|-------|--------------|-------|-------|-------|-------|-------|-------------|-------------|-------------|
| Max. temperature | °C | 90 | | | 140/90* | | | 160 | | | 250 | | |
| Operating fluid | | water | | | press. water | | | oil | | | | | |
| Heating power | kW | 12 | 18 | 24 | 12 | 18 | 24 | 12 | 18 | 24 | 12 | 18 | 24 |
| PUMP C | kW | 0.75 | | | 0.75 | | | 0.75 | | | | | |
| Max. flow rate | l/min | 40 | | | 40 | | | 40 | | | | | |
| Max. pressure | m | 60 | | | 60 | | | 60 | | | | | |
| Pump E | kW | 1.5 | | | 1.5 | | | 1.5 | | | | | |
| Max. flow rate | l/min | 60 | | | 60 | | | 60 | | | | | |
| Max. pressure | m | 65 | | | 65 | | | 65 | | | | | |
| Pump L4 | kW | 1.5 | | | 1.5 | | | 1.5 | | | | | |
| Max. flow rate | l/min | 90 | | | 90 | | | 90 | | | | | |
| Max. pressure | m | 60 | | | 60 | | | 60 | | | | | |
| Pump F | kW | 1.5 | | | 1.5 | | | 1.5 | | | | | |
| Max. flow rate | l/min | 180 | | | 180 | | | 160 | | | | | |
| Max. pressure | m | 35 | | | 35 | | | 30 | | | | | |
| Pump E1 | kW | | | | | | | | | | 1 | | |
| Max. flow rate | l/min | | | | | | | | | | 60 | | |
| Max. pressure | m | | | | | | | | | | 60 | | |
| Pump F | kW | | | | | | | | | | 2.8 | | |
| Max. flow rate | l/min | | | | | | | | | | 150 | | |
| Max. pressure | m | | | | | | | | | | 50 | | |
| Connections - process | | 1" F | | | | | | | | | | | |
| Connections - cooling | | 1/2" F | | | | | | | | | | | |
| Dimensions (LxWxH) | | 400x867x1000 | | | | | | | | | | | |
| Weight | kg | 120 | | | | | | | | | | | |

Version: 230-400/3/50; 220-380-460/3/60 - The pump reverse mode is not available for the F pump. * Temperature for ID (Direct Injection) models