

Mold Temperature Regulator



The compact, simple-to-operate device for heating and maintaining constant mold temperature. It can be difficult to settle a mold into a steady-state condition. Now with the innovative mold temperature regulator, your work is done by your new best friend. You can heat your mold using otherwise wasted energy, and the mold temperature regulator holds your temperature on point regardless of variables thrown its way.

Part #	Inlet/Outlet	Width	Length	Height	PSI	Weight	Price
WDT2N2N4	1/4" NPT inlet and 1/2" NPT outlet	2.95"	6.02"	1.72"	150	3 lbs.	\$349.00
WDT2S2P2	1/4" quick-connect coupler and plug	2.95"	6.02"	1.72"	150	3 lbs.	\$364.00
WDT2S3P3	3/8" quick-connect coupler and plug	2.95"	6.02"	1.72"	150	3 lbs.	\$364.00

- It's unaffected by pressure changes.
- It's unaffected by supply water temperature changes.
- It reduces the headaches of maintaining different temperature zones.
- It's nearly maintenance free.
- It saves you money up front and conserves energy year-round.

Automatically Adjusts For Variations
In Injet Water Temperature and Pressure.

Unlike conventional mold temperature controllers. This requires no power to operate, relying instead on the tried and true laws of physics to modulate the temperature of molds. The mold temperature regulator indirectly controls mold temperature by modulating the rate of flow of coolant through the mold. It installs, powerfree, right on the coolant line exiting the mold. On a basic level, it's really just a fancy thermostat - faster flow removes more heat, cooling the mold; slow flow removes less heat, heating the mold.

On a more technical level, the mold temperature regulator uses thermal expansion with a proprietary heat exchange fluid. The user picks a setpoint with a dial on the mold temperature regulator; a conical valve moves toward or away from the seat to modulate flow, depending upon the setpoint. And the device is designed with controlled flow, so that some fluid is always flowing through the mold temperature regulator - that is, you can't shut off coolant flow with the mold temperature regulator. The temperature dial on the current mold temperature regulator allows water temperature setpoints from 80°F to 120°F.

