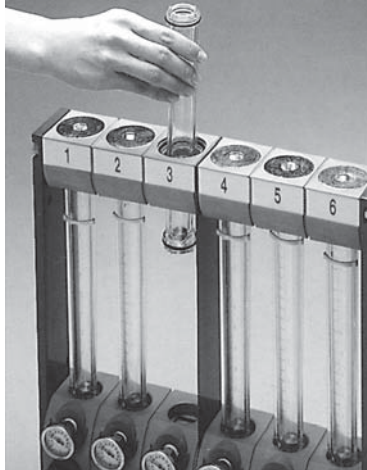


# Flow Regulator



Easy clean capability without dismantling (access to tube through removable top plug.)

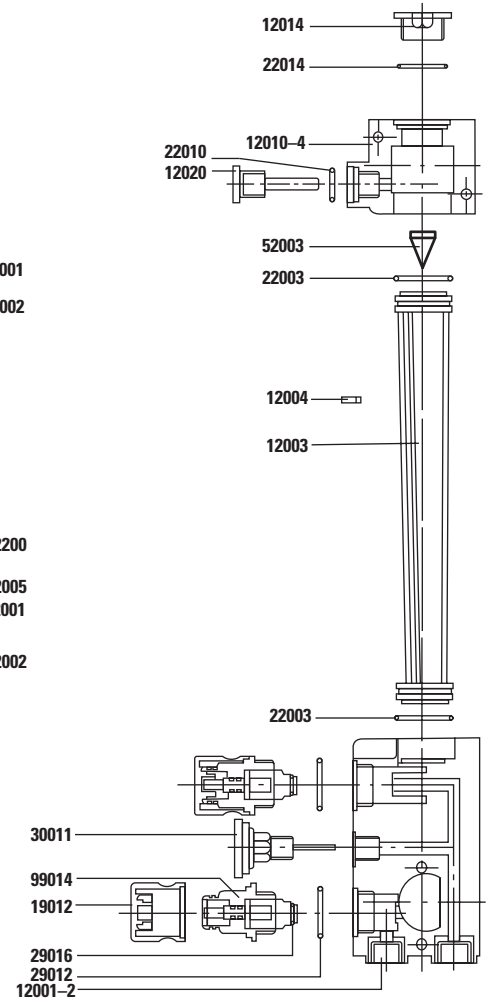
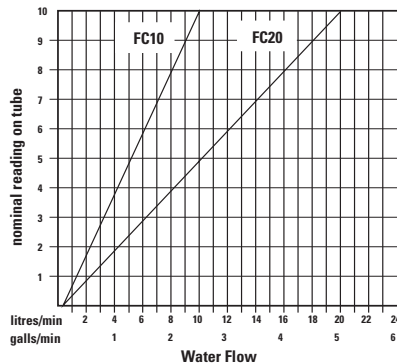
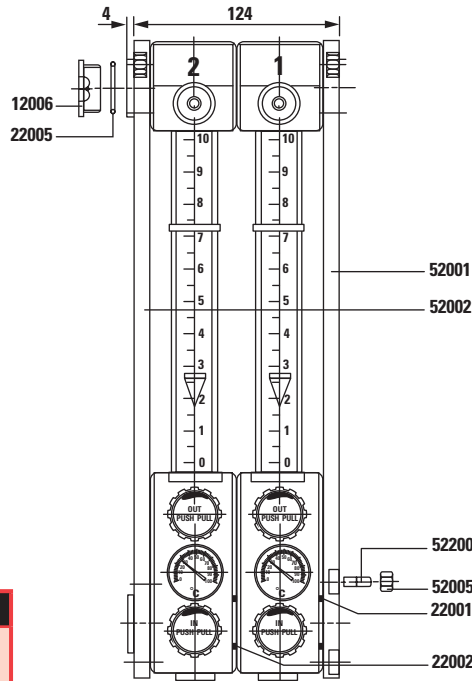


Part Number	Description
12001-2	Lower Housing
12010-4	Upper Housing
12003	Sight Glass
12004	Reference Ring
12020	Fixed Plug
12006	Plug 3/4" NPT
19012	Hand Wheel
99014	Control Valve
22001	O-Ring
22002	O-Ring
22003	O-Ring
22014	O-Ring
22005	O-Ring
29012	O-Ring
29016	O-Ring
30011	Thermometer
52001	R. Side Plate
52002	L. Side Plate
52200	Screw
52005	Nut
52003	Cone
12014	Plug
22010	O-Ring

## Flow cones available

Max Gallons/min.	Part Number
2.64 (10 L/min)	FC10M
5.3 (20 L/min)	FC20M

## Flow System Matic Water Flow Regulators



## Larger model 2.65 or 5.3 gpm flow rates

Description	W(in)	Part Number
Two Zone assembly	4.88"	FR2
Three Zone assembly	6.93"	FR3
Four Zone assembly	8.98"	FR4
Five Zone assembly	11.06"	FR5
Six Zone assembly	13.15"	FR6
Eight Zone assembly	17.24"	FR8
Ten Zone assembly	21.46"	FR10
Twelve Zone assembly	25.55"	FR12

## Spare flow tubes

Max Gallons/min.	Part Number
2.64 or 5.28 G.P.M	12003
Flow tube seals (10)	22003

# 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 Number	Inlet/Outlet	Width	Length	Height	PSI	Weight
WDT2N2N4	¼" NPT inlet and ½" NPT outlet	2.95"	6.02"	1.72"	150	3 lbs.
WDT2S2P2	¼" quick-connect coupler and plug	2.95"	6.02"	1.72"	150	3 lbs.
WDT2S3P3	¾" quick-connect coupler and plug	2.95"	6.02"	1.72"	150	3 lbs.

- 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.

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.

## Automatically adjusts for variations in jet water temperature and pressure.

