

# POSITIVE/NEGATIVE TEMPERATURE CONTROLLER



Troublesome cooling circuit leaks in processes can result in serious production losses. The leaks may be due to small stress cracks which leak when under pressure.

ACS Group • Walton/Stout's solution? Our Positive/Negative temperature controllers use a liquid venturi to draw cooling water through the mold under negative pressure. Precise temperature control is provided by the operation of a solid state or microprocessor controller which activates heater or a cooling water solenoid as required.

## STANDARD FEATURES

- Unit operates in either a positive or negative pressure mode. Adjusts easily via the operation of an external hand-operated valve handle.
- Under negative pressure operation, water cannot leak out as in a conventional pressure system.
- Designed for easy substitution for any standard water temperature controller. Positive/Negative TCU uses the same hose and piping connections and does not require external air source.
- Quick interchangeability reduces downtime by getting you back into production fast.
- Reduces production losses by enabling you to postpone repairs till the end of a production run.
- An integral centrifugal air separator automatically vents air from the system. Eliminates manual requirement for the operator.
- Field proven NX Series microprocessor-based controls set a new standard for temperature controller performance and reliability.
- Three phase 9 kW electric immersion heaters are suspended vertically for longer heater life.
- Mechanical safety is provided by a high pressure relief valve

ACS Group • Walton/Stout is committed to a continuing program of product improvement. Dimensions are subject to change without notice.

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Bulletin WHC1-110B

Printed in USA

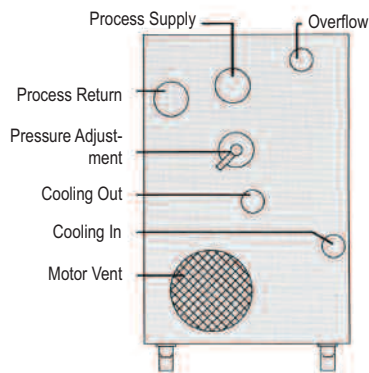
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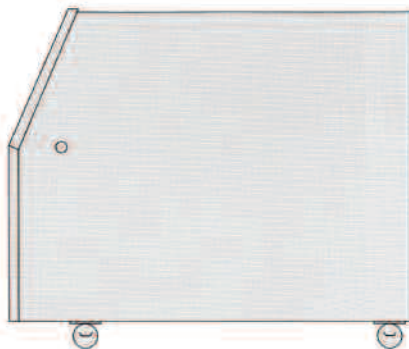
# POSITIVE/NEGATIVE TEMPERATURE CONTROLLER



Rear View



Front View



Right View

## SPECIFICATIONS

### Model TDV-INX

Temperature Range	Up to 180°F (65° C)
Flow Through Process	Up to 24 gpm (90 lpm) (negative mode) Up to 35 gpm (130 lpm) (positive mode)

Pump	2 HP (1.5 kW) Standard
Pipe Connections	Process 1 1/4" (32mm) Cooling Water 3/4" (20mm)

Heater	9 KW
Total Running Amps	14.5 Amps (460/3/60)
Shipping Weight	220 lbs. (100 kgs)

One year parts warranty

## OPTIONS

- For easier monitoring of process and cooling water, a vacuum/pressure gauge is available
- A power cord is also offered for ease of installation
- While a 2HP(1.5 kW) centrifugal pump with long life EDPM seal is standard, a 3HP (2.3 kW) pump is available for increased flow.
- Special electrical construction voltages are offered
- Optional high temperature safety provides redundant protection

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