

CONTROL BOX: BDR



TEMP. PROBE: TP3



**DRAW OFF VALVES:**



1"V3  
standard



1"V2  
standard



1"V9  
optional

# AUTO CONTROLS and ACCESSORIES



draw-off

level

accessories

stainless

call for your CD catalog



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**BOB CROOKS**

# MAPLE SYRUP BAROMETRIC COMPENSATED DRAW-OFF

#BDR-TP3-1"V3



**FULLY AUTOMATIC "HANDS OFF"  
DRAW OFF SYSTEM**

**INDICATES "SYRUP"  
DRAW OFF TEMPERATURE and  
PAN TEMPRATURE**

**AUTOMATICALLY CHANGES  
DRAW OFF SET POINT  
AS BAROMETER CHANGES**

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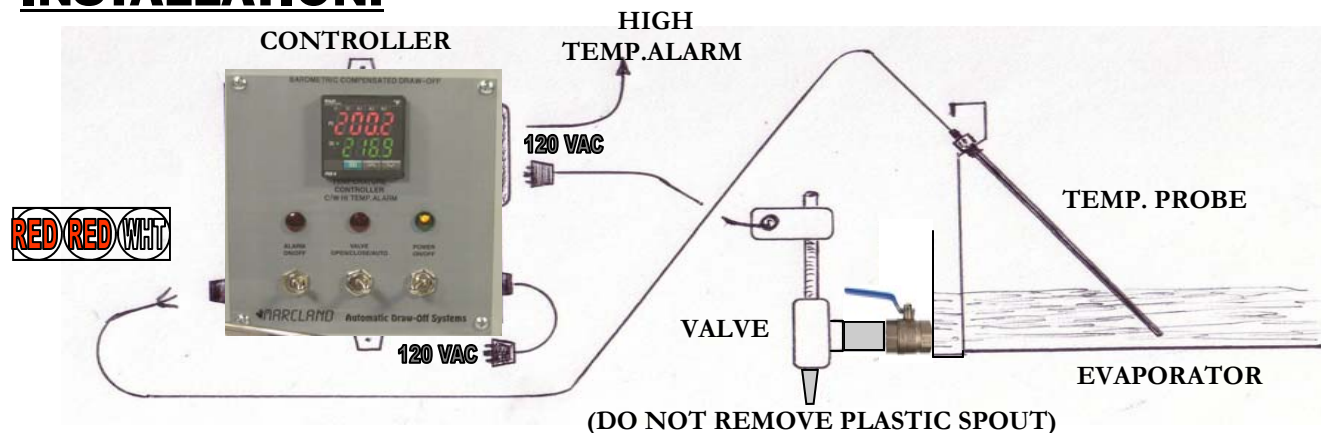
## **FEATURES:**

- Heavy duty industrial components.
- Dual digital 0.1 deg F display.
- Switches for power, valve and alarm.
- Lights for power, valve, and alarm
- 120 vac valve and alarm outputs.
- 1 amp valve output protection fuse.
- Electrically isolated plastic box.
- Easily serviced.
- High temp. alarm with buzzer and 120 vac Output.



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## **INSTALLATION:** (MOUNT COMPONENTS AS SHOWN AND EXTEND WIRES IF REQUIRED)



- Install the control box in a convenient location with easy access.
- Mount the draw-off valve at the draw-off point. (A shut-off valve and a manual valve are suggested for service and manual operation.)
- Mount the temperature probe at the draw-off point with the probe tip 1/4 inch from the pan bottom. ( If there is a dial thermometer, position the two probe tips as close as possible. )
- Neatly connect all wires and plugs, extending them where required.

## **OPERATION:**

## **THINK CLEAN**

- Plug the control box power cord into a 120vac outlet. Turn on power switch. The controller will indicate pan temperature and syrup draw-off temperature. (boiling point of water plus 7.0 deg.F)
- The draw-off valve should be plugged into the valve outlet on the control box and the temperature probe should be connected to the probe terminal on the control box.
- The syrup draw-off temperature will automatically adjust itself with every change in barometric pressure. (*You can switch from automatic to manual draw-off by using the “select” button.*)
- Test valve function before boiling. Make sure system works properly.
- The high temperature alarm is set to “track” draw-off temp. +3.0 F.
- The alarm buzzer can be silenced by switching the “alarm silence switch”