

## MODEL 9002 FRUIT RIPENING SYSTEM

The VENTECH 900 FRUIT RIPENING SYSTEM provides a reliable economical method for ripening & de-greening fruit & curing tobacco.

Most fruits & vegetables produce ethylene gas naturally during the ripening phase. By introducing ethylene gas into the ripening room under controlled time & temperature conditions, ripening time can be considerably reduced, & more even ripening obtained.

The following crops can be successfully ripened with the VENTECH FRUIT RIPENING SYSTEM.

- APPLES
- AVOCADOES
- BANANAS
- BEAN SHOOTS
- CITRUS
- KIWI FRUIT
- MANGOES
- PEARS
- TOBACCO
- TOMATOES



### VENTECH FRUIT RIPENING SYSTEMS

provide superior consistent fruit ripening with good colouration, and at much lower cost than the old methods of dipping, using calcium carbide generated

acetylene, bottled gas or burning incense. High transport costs can make the use of a bottled gas prohibitive. Total running costs of the VENTECH SYSTEM are 80 % less than the cost of using pure bottled ethylene ( usually banned by Fire Departments & Insurance companies ) & 95% less than the cost of using bottled ethylene gas mixture, and ripening can be carried out by unskilled operators.

#### TYPICAL RIPENING TIMES FOR FRUIT ARE AS FOLLOWS:

|          |             |         |                         |
|----------|-------------|---------|-------------------------|
| BANANAS  | 3 - 5 days  | TOBACCO | 15% shorter curing time |
| TOMATOES | 5 - 12 days | CITRUS  | 3 - 4 days              |
| MANGOES  | 2 - 3 days  |         |                         |

*Due to the tough environmental conditions that occur in ripening rooms ( 95% Relative Humidity, wide voltage fluctuations & surges ), we have had to design our gas generator to cope with these conditions. VENTECH RIPENING SYSTEM are designed & built in Africa & similar developing nations, but with reliability, high performance & upgradeability to interface with sophisticated computer controlled & automated ripening systems. Use of the latest technology & military / aerospace quality, construction standards & techniques ensures that the machines will give long trouble free service, with fast turnaround time & low maintenance costs. We have not compromised in spares availability, and all parts are readily available & will be for the foreseeable future.*

## **The Model 9002 FRUIT RIPENING SYSTEM has the following features:**

- \* **CORROSION PROOF CONSTRUCTION & STAINLESS STEEL TANK & CATALYTIC CONVERTOR FOR CLEAN GAS GENERATION & LONG WORKING LIFE.**
- \* **FULL PROTECTION AGAINST DAMAGE FROM VOLTAGE FLUCTUATIONS, SURGES & LIGHTNING\***
- \* **RECESSED CONTROL PANEL WITH STATUS LEDS PROVIDE OPERATOR WITH CONFIRMATION OF NORMAL OPERATION & ADVISE FAULT STATUS.**
- \* **TWO INDEPENDENT OVER TEMP MONITORS SHUT DOWN HEATER IF REACTOR TEMPERATURE EXCEEDS SAFE LIMITS PROTECTING YOUR CROP FROM DAMAGE FROM MALIGNANT GASES UNDER FAULT CONDITIONS, AND PROTECT ELEMENT FROM DAMAGE.**
- \* **LOW FLUID SENSOR WITH LED INDICATOR SHUTS OFF HEATER POWER WHEN EMPTY IS FINISHED, EXTENDING ELEMENT LIFE & ALLOWING SIGNALLING READY FOR NEXT RIPENING SESSION.**

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