

FRUIT RIPENING SYSTEMS



British Design

Made in South Africa



VENTECH FRUIT RIPENING SYSTEMS provides a reliable, economical method for ripening & de-greening fruit, & curing tobacco

Most fruits & vegetables produces 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 RIPENING SYSTEM**.

- | | |
|----------------|-------------------|
| APPLES | AVOCADOS |
| BANANAS | BEANSHOOTS |
| CITRUS | KIWI FRUIT |
| MANGOES | PEARS |
| TOBACCO | TOMATOS |

MODEL 9002



Model 9500 with **VENTECH** VDH Fruit Climate computer

VENTECH FRUIT RIPENING SYSTEMS provide superior consistent fruit ripening with good colouration, & at much lower cost than the old methods of dipping, using calcium carbide generated acetylene, burning incense, or using bottle gas. Total running costs of the VENTECH system are 80% less than the cost of using pure bottled gas (banned by most health & Safety authorities & fire departments), & 95% less than the cost of using bottled ethylene/nitrogen mixtures. The UK Health & Safety Executive recommends the use of ethylene generators in preference to bottled gas systems. The provision of a remote interface also allows the ethylene generator to be incorporated as a component in a PROBA 110 / SCADA computer controlled ripening system. Used as a stand alone

system allows ripening by unskilled personnel.

TYPICAL RIPENING TIMES FOR		PRODUCE ARE AS FOLLOWS	
BANANAS	3 - 5 DAYS	TOBACCO	15% reduction in curing time.
TOMATOS	5 - 12 DAYS	CITRUS	3 - 4 days
MANGOS	2 - 3 days		



VENTECH AGRIONICS

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The VENTECH FRUIT RIPENING SYSTEMS provide an economical method of ripening fruit for commercial growers & packers. Capacities are as follows:

Model 9500: 600 boxes of bananas - 400 litres of ethylene
Model 9002: 1100 boxes of bananas - 600 litres of ethylene

Each machine can service up to 3 rooms provide there is a 6 hour time offset between rooms.
The compact wall mounted 9500 machine is ideal where space is limited



The 9 status indicators enable remote diagnosis & support from VENTECH directly or from accredited agents by email, phone or fax. The modular electronic design simplifies on site repairs enabling non-technical users to field exchange sub-assemblies. The model 9500 has a single electronic module removed by undoing a single screw & unplugging two connectors. This greatly reduces downtime, since the low size & weight of the electronics module reduces round trip shipping costs.

Remote connections, allow a machine to be switched in & out of standby mode. This is a low voltage connection, that can use low cost telephone wire to connect to a remote Proba 110 , PC or SCADA system. It can be integrated into an automated ripening system, since it can be combined with an ethylene sensor which maintains preset ethylene levels.



The optional 6 room micro-controller can be mounted up to 100 M away, & provides programmed gassing for up to six machines. It has provision for setting up to 3 gassing sessions per day, from 1 min to 12 hours duration, & can be programmed to skip non gassing days. Machines can be manually started & stopped from the micro-controller. An LCD display indicates the status of each machine. When used with the optional 20 L bulk supply tank, the integrated systems provides unattended operation for up to 20 ripening sessions. This greatly assists ripeners to cope with public holidays, labour strikes & stayaways.

The VENTECH RIPENING SYSTEM is priced up to 40% less than other comparable machines, yet offers far better quality & protection than most of these machines, & is ruggedised to withstand extreme voltage variations, surges & lightning strikes that occur in Africa & similar developing nations & has an enviable service record since 1988.

The VENTECH FRUIT RIPENING SYSTEMS have the following features:



- CORROSION PROOF CONSTRUCTION & STAINLESS STEEL CATALYTIC CONVERTOR FOR CLEAN GAS GENERATION & LONG WORKING LIFE.**
- FULL PROTECTION AGAINST DAMAGE FROM VOLTAGE FLUCTUATIONS, SURGES & LIGHTNING ***
- FULL PROTECTION AGAINST CONVERTER OVER & UNDER TEMPERATURE & CONTROL FAILURE, SAVES CROPS & MACHINE FROM DAMAGE**
- LEDS PROVIDE OPERATOR WITH CONFIRMATION OF NORMAL OPERATION & ADVISE FAULT STATUS**
- COLD END SENSOR PROTECTS ELEMENT AGAINST OVERHEATING & DRY FLUID DAMAGE.**

Some of our users:



*SUBJECT TO CONNECTION TO PROPERLY EARTHED ELECTRICAL SUPPLY COMPL WITH LOCAL ELECTRICAL CODES

Available from:

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