

## OPERATIONAL ACCESSORIES



### Sterilization Sheetting

- Steam resistant plastic sheeting for soil disinfection
- Manufactured from : 1000 DTX - 500 g/m<sup>2</sup> plastic
- Lifespan : up to 10 years
- Made to measure for clients specific requirements

### Sheet Roller

- Greatly reduces sheet application time
- Improves working life of plastic sheets
- Practical solution for storage of plastic sheeting



### Semi-Mobile Disinfection Cloche Cover

- Suitable for use in smaller applications where few movements are required
- Sizes up to 2 m<sup>2</sup>
- Galvanized steel frame/Rust-proof aluminium cover

### Mobile Disinfection Cloche Cover

- Suitable for use in large areas where regular movements are required
- Sizes up to 2 m<sup>2</sup>
- Galvanized steel frame/Rust-proof aluminium cover



### Mechanized Disinfection Cloche Cover

- Designed for disinfection in open fields or large greenhouses
- Sizes available : 4 - 6 - 8 - 10 - 12 m<sup>2</sup>
- Easy to lift and to move
- Designed for disinfection in open fields or large greenhouses
- Galvanized steel frame/Rust-proof aluminium shutter

### Mobile Fuel-Tank (Oil/Diesel)

- Robust metal chassis
- Pneumatic tyres
- "Jockey" levelling wheel at the front
- Rotating ring hitch
- Capacity 1000 L or 2000 L



## SOIL STERILIZATION SYSTEMS



- AB** Destroys all insects, larvae, pathogens and cryptogamic diseases
- AB** Destroys all weed, seeds and roots
- AB** Enhances soil - with improved release of organic nutrients
- AB** Improves crop germination

In accordance with our policy of continuous development, we reserve the right to change specifications and prices at any time without notice or incurring liability to purchasers. All goods supplied according to our published terms and conditions of sale (copies on application)

## AGRIVAP steam generators

The mobile Agrivab steam generators lie at the heart of our Steam Sterilization Systems. They safely and conveniently deliver steam at sufficient temperatures (generally 70 to 90 C) to destroy all pathogenic bacteria, seeds, larva etc in the soil.

All models are equipped with a STEAM SUPERHEATER module which enables the steam to be heated to temperatures of between 170 and 185 C. The resulting DRY STEAM can be utilized over long distances from the steam generator and in many applications.

All feed water entering the steam generator is passed through a pre-heating chamber. The pre-heating chamber heats the water which is fed in the main boiler. This pre-heating of feedwater has the distinct advantage:

- reduction of energy required,
- water evaporation is reduced,
- thermal constraints in the main boiler are eliminated.

All STEAM GENERATORS are fitted with a two-stage burner, and a complete control system as standard. This allows considerable savings of energy to be achieved and ensure that the quality of steam produced is maintained at all times.



Our standard STEAM GENERATORS are fitted with a fuel-oil or diesel-oil burner. They can, however, be fitted with a gas burner.

Manufactured from the highest quality steels, the materials that are utilized in the construction of the generators is superior to that required by international safety standards.

There are three inspection hatches on the main boiler which greatly improve maintenance access to the main boiler assembly.

## TYPICAL OPERATIONAL EXAMPLES

A safe and environmentally friendly method of disinfection of all types of growing medium that is guaranteed not to leave any toxic residue in either the soil or the harvested crop. This method of sterilization reduces pollution whilst protecting the natural biological balance of the growing medium and improving the production and quality of crops.



### Disinfection of soil using a standard cloche cover

- depth of disinfection : 10 - 15 cm

### Disinfection of soil using a mechanized cloche cover

- depth of disinfection : 10 - 15 cm



### Disinfection of soil using steam resistant plastic sheeting

- surface disinfection : 10 - 15 cm
- in-depth disinfection : 20 - 30 - 40 cm

S P E C I F I C A T I O N S											
MODEL	AGRIVAP 2000	AGRIVAP 2001	AGRIVAP 2002 18"	AGRIVAP 2002 22"	AGRIVAP 2004	AGRIVAP 2005	AGRIVAP 2006	AGRIVAP 2008	AGRIVAP 2010	AGRIVAP 2012	AGRIVAP 2014
STEAM PRODUCTION (kg/hr)	60	100	200	250	400	500	600	800	1000	1,250	1,400
OPERATIONAL PRESSURE (bar)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
FUEL CONSUMPTION (kg/hr)	4	8	16	18	33	42	48	62	78	98	110
DISINFECTON AREA (cloche) (m <sup>2</sup> )	1 - 1.2	2	4	5	8	10	12	16	20	25	28 - 30
PLASTIC SHEET (m <sup>2</sup> )	-	-	-	-	75 - 80	90 - 95	110 - 120	150	180	250	300
DIMENSIONS	Length (m)	1.8	1.85	2.2	2.2	3.64	3.82	3.85	4.0	4.3	4.3
	Width (m)	0.75	0.85	0.98	0.98	1.25	1.25	1.28	1.4	1.7	1.7
	Height (m)	1.11	1.25	1.61	1.61	1.88	1.88	1.28	2.06	2.25	2.45
	Weight (kg)	230	335	500	500	950	975	1,95	1,870	2,300	2,670
ELECTRIC CURRENT (V)	220	220	220	220	220	220	220/380	220/380	220/380	220/380	220/380