

TSE
Technical & Scientific
Equipment GmbH



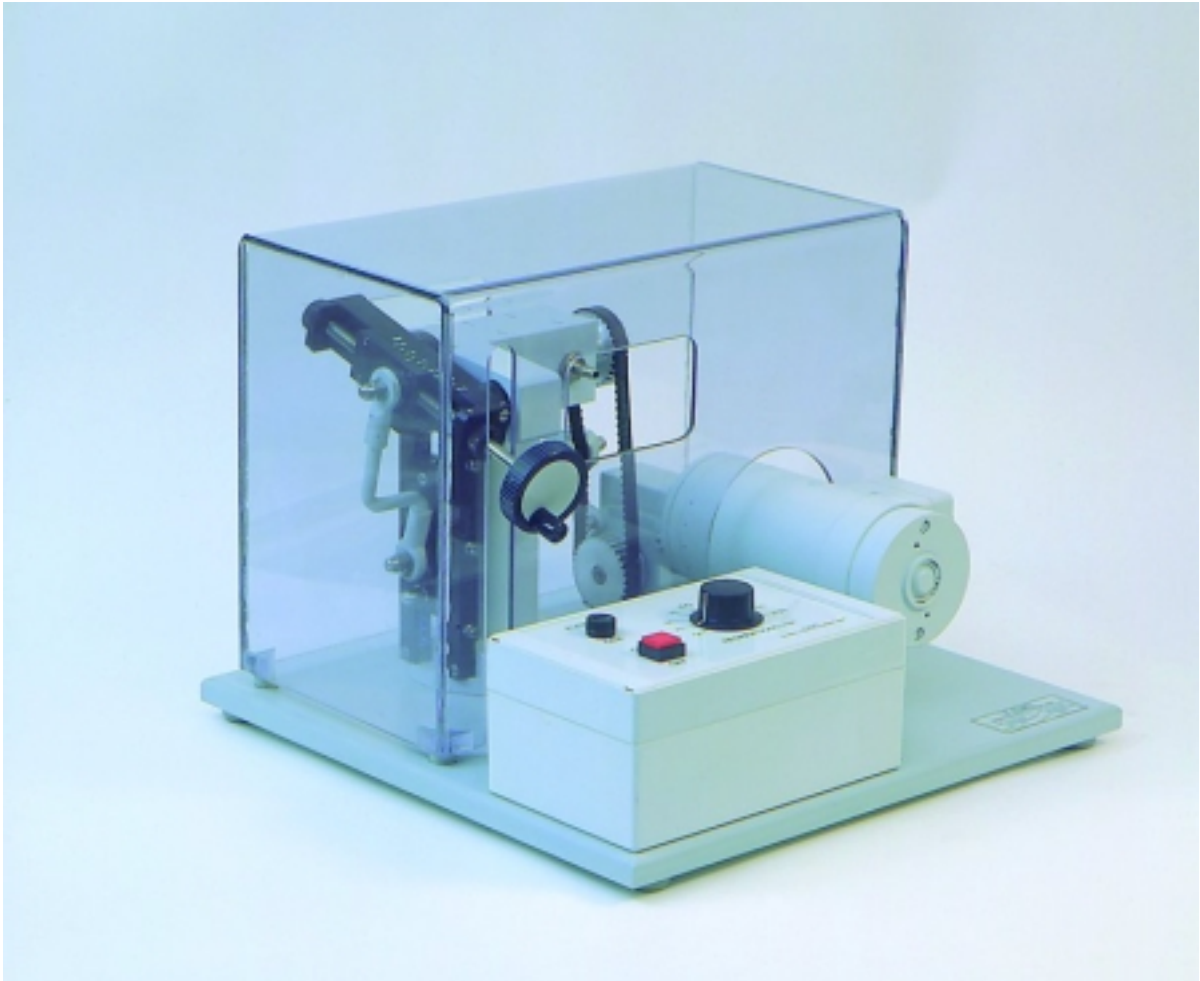
TSE Respiration Pumps

For the Automatic Respiration

of All Laboratory Animals

TSE Respiration Pumps

1. General information



Our high quality microprocessor-controlled respiration pumps (according to STARLING's ventilation method) are suited for the automatic respiration of all laboratory animals from mice to large dogs and pigs.

They can be operated with either room air or any non-aggressive respiratory gas mixture.

The variable speed of the maintenance-free quiet motor allows continuous adjustment of stroke frequency (0...100 resp. 0...200 strokes/minute).

Models also differ in maximum stroke volume (0...10ml up to 0...1000ml). Stroke volume is set to the desired value according to the respiration volume of the species under study and can be adjusted even during operation.

All components are mounted on a base plate. The pump includes an acrylic protection cover.

For 220V, 50Hz.

Inlets/Outlets

- Gas source inlet
- Inspiration air outlet port
- Expiration air inlet
- Exhaust outlet

Controls

- Stroke frequency adjustment knob
- Volume control knob

2. Models & technical details

994500-10 Respiration Pump

For rats, guinea pigs and other small laboratory animals.

Stroke volume **0...10 ml**
Frequency **0...200** strokes/minute
Dimensions 380x380x270mm
Weight 15kg

994500-25 Respiration Pump

For rats, guinea pigs and other small laboratory animals.

Stroke volume **0...25 ml**
Frequency **0...200** strokes/minute
Dimensions 380x380x270mm
Weight 16kg

994500-50 Respiration Pump

For rats, guinea pigs, rabbits, cats and other laboratory animals.

Stroke volume	0...50 ml
Frequency	0...100 strokes/minute
Dimensions	380x380x270mm
Weight	17kg

994500-75 Respiration Pump

For rats, guinea pigs, rabbits, cats and other laboratory animals.

Stroke volume	0...75 ml
Frequency	0...100 strokes/minute
Dimensions	380x380x270mm
Weight	18kg

994500-100 Respiration Pump

For rabbits, cats, dogs and other laboratory animals.

Stroke volume	0...100 ml
Frequency	0...100 strokes/minute
Dimensions	380x380x270mm
Weight	19kg

994500-250 Respiration Pump

For rabbits, cats, dogs and other laboratory animals.

Stroke volume	0...250 ml
Frequency	0...100 strokes/minute
Dimensions	380x380x270mm
Weight	20kg

994500-500 Respiration Pump

For dogs and other large laboratory animals.

Stroke volume	0...500 ml
Frequency	0...100 strokes/minute
Dimensions	450x500x500mm
Weight	30kg

994500-750 Respiration Pump

For dogs and other large laboratory animals.

Stroke volume **0...750 ml**
Frequency **0...100** strokes/minute
Dimensions 450x500x600mm
Weight 40kg

994500-1000 Respiration Pump

For dogs and other large laboratory animals.

Stroke volume **0...1000 ml**
Frequency **0...100** strokes/minute
Dimensions 500x550x700mm
Weight 50kg

TSE Technical & Scientific Equipment GmbH

**Saalburgstr. 157
D-61350 Bad Homburg / Germany**

**Phone: +49 (0) 6172-789-0
Fax: +49 (0) 6172-789-500
E-mail: info@TSE-Systems.de
Internet: http://www.TSE-Systems.de**