

Rusitec Model 3896

Automated Fermenter




elementec
Scientific Technologies

Introduction

The Rusitec Model 3896 provides a semi-automated rumen fermentation process minimising the hands on time when analysing feeds and other products. The instrument controls agitation and temperature to control the fermentation process.

Product Details

The instrument is built out of a black powder coated mild steel frame, measuring approximately 648mm x 476mm x 800mm.

The internal tank is made of mild steel and is externally powder coated blue for enhanced durability. There is also a stainless steel internal liner for added protection.

The top drive plate consists of aluminium which features hardened guide rods and linear bearings for consistent operation. Bearing housings are finished in black powder coat.

The Rusitec chamber holding plate is manufactured from a hard wearing polymer.

The instrument operates using a drive shaft assembly complete with bearing blocks and eccentric flywheels.

There is an option of vessel configurations including 8 vessel, 12 vessel and 16 vessel options.



Instrument Shown Without Guards*



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There are 8 Rusitec Chamber assemblies:

- Clear Plastic Chamber
- Type 6 Nylon Bottom plate
- Type 6 Nylon Top Plate
- Type 6 Nylon Top Retaining Plate
- Grade 316 stainless steel packing housings and cylinder rods
- Grade 360 brass packing glands
- Grade 6061 T6 aluminium retaining nuts

Electrical and mechanical drive components:

- **GEARBOX SIZE** 050 100:1 56C 1.0" MAX.25HP
- **MOTOR** 1/4HP 1800 230/460 56C TEFC
- **VFD KB** (9987) 1HP NEMA4 115V-230V AC 50hz

Vessel Ports

- **Inlet Port** | Plastic | 3.1mm outside diameter
- **Overflow Port** | 10.66mm outside diameter, 5.6mm inside diameter
- **Additional Port** | 10.66mm outside diameter, 5.6mm inside diameter

