

Stray Voltage Measurements

Take AC voltage readings and record them in the tables below.

N.B. Be mindful of electrical safety. Those who feel they are not trained or competent to carry out these tests should not. The risk depends on the particular test, the equipment used, the standard of the installation as well as the care and competence of the person carrying out the tests.

Table 1. Voltages between different parts of the stallwork, troughs, etc., & floor

Equipment	Voltage range	Comment
All off		
Milking machine on		
Add meal augers		
Add washdown pump		
Add bulk tank agitator (washdown pump off)		

Table 3. Check Voltage Drop

Test	Voltage (between live and neutral)
All appliances turned off	
All appliances turned on	

A drop of 10% or more is too much.

Table 4. Switching on and off Electrical Equipment

Equipment - on/off	Neutral to earth voltage
All off	
Milking machine on	
Add meal augers	
Add washdown pump	
Add bulk tank agitator	
Add scrapers	
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