

1. Introduction

Nutech 2100 is a system designed to clean SUMMA or silica coated canisters or other air sampling containers (using canisters to represent all those in all the following description). By repeatedly filling zero air or other pure gases into the canisters followed by withdrawing air out and keeping vacuum for a period of time the canisters canister will be thoroughly cleaned. The device adopts programmable logic control which enables to easily modify cleaning times, time limit, vacuum control range and zero air-filling pressure control range, it is ideal for cleaning smaller vessels and generating vacuum.

2. Technical Standards

Maximum vacuum pressure: 50motorr (absolute pressure)

Maximum air-filling pressure: 35psi (surface pressure)

Maximum display vacuum pressure: 0.75mtorr

Temperature under: 4~40°C

Humidity under: <80%

Magnetic field intension: <30Gs

Power voltage: AC110V 50Hz or AC220V 50Hz

Consumption power: 1.0KW

3. System composition

The system is composed of vacuum pump, Vacuum pressure gauge, Pressure switch, High Vacuum gauge, Canister , electromagnetic