

Twin Fans FLO2

Quality Standards

VES Andover Limited is a company of assessed capability by BSI to the requirements of ISO 9001. All units have been tested in accordance with BS 848 part 1. Units comply with all relevant European directives and are CE marked.

Fans

Each unit contains two no. forward curved multi-vane double inlet double width centrifugal fans. FLO2 standard units size 1-3 contain fans that are direct driven by hub mounted motors. They have high temperature automatic cut-out protection, and can be speed controlled using VES speed regulators. Size 1-3 have 230 volt 1 phase 50Hz motors. The constant pressure units models 236 and 337 have built-in inverters. These also run on a 230 volt 1 phase supply. These fans are programmed at VES to a standard setting and can be easily adjusted on site, after which they are automatic in operation. FLO2 size 4 & 5 units contain fans belt driven by squirrel cage induction motors, 400 volt, 3 phase, 50Hz, totally enclosed, fan cooled, with top mounted terminal box. 230 volt 1 phase motors available in FLO2 size 4 units up to 2.2kW. All are class F rating, EFF2 efficiency, and insulated to IP55. The minimum two belt drive is pre-aligned and tensioned at VES works. All fans and motors are fully vibration isolated inside the unit from the FLO2 case. Additional external AV mounts and flexible connections are not required.

Auto-changeover System

An AF500 auto-changeover panel is fitted and pre-wired to each FLO2 unit. Each unit has airflow operated micro switches which signal air flow failure to the AF500. The remote twin fan unit status indicator requires two wire low voltage connection to the AF500, using screened or twisted pair cable. Refer to page 3 for full details of AF500 auto-changeover unit. Each unit has a fitted and pre-wired isolator.

Case - Plantroom units

The FLO2 sizes 1-3 have single skinned cases as standard constructed using galvanised steel sheet. Options include double skinned construction and external powder coat paint finish in Signal grey to RAL7004 or to your colour choice by special order. The fitted mounting feet can be used to hang the unit with drop rods or screw down onto a base. Double skinned cases in galvanised sheet steel are standard on the FLO2 size 4 & 5 units, with powder coat finish as an option. All unit flanges match the Mez flange system. Refer to dimension pages for maintenance access and connection details.

Case - Weatherproof Units

All weatherproof units are manufactured in galvanized sheet steel and externally powder coat finished in Signal grey to RAL7004 as standard or to your colour choice by special order. The direct drive FLO2 size 1-3 units have louvred outlets. These units are single skin as standard with option of double skin construction. The belt drive weatherproof FLO2 size 4 & 5 are double skinned as standard. Access into weatherproof FLO2 units is via a removable lid on sizes 1-3 and side access panels on size 4 & 5.

Silencers

Silencer construction is lock formed galvanised sheet steel case with Mez flanges. Splitters have a galvanized sheet steel frame with non-combustible resin bonded mineral fibre slab infill, faced with bonded glass tissue to prevent erosion of attenuating material. These are available for inlet and outlet, plantroom and weatherproof. Standard silencer performance data is detailed on catalogue pages 14 & 15, non-standard silencers are built to order. We recommend that weatherproof silencers are specified with a Signal grey powder coat paint finish to RAL7004, with supporting base and outlet cowl specified for outlet silencers.

Download specification from www.ves.co.uk/information-centre