

(1) **Declaration of Conformity**

(2) EXPO Document Number EXPO 03ATEX 1010

(3) This declaration is issued for the electrical apparatus:

MotorPurge Pre Start 4PP & 6PP

(4) Manufacturer:

Expo Technologies Ltd  
Summer Road  
Thames Ditton  
Surrey  
U.K  
KT7 0RH

(5) This electrical apparatus and any acceptable variation thereto is specified in the Annex to this certificate and the documents therein referred to.

(6) This apparatus fulfils all the requirements for Group II Category 3G equipment in accordance with European Directive 94/9/EC.


The design is documented in Expo Technical Construction File number PF 22.

Manufacture is controlled under Sira Quality Assurance Notification Sira 99 ATEX M043


The electrical apparatus complies with the following standards:

- EN 50014:1997 (A1 and A2)
- EN 50019:2000
- EN 50020:2002
- BS EN 50021:1999

(7) The apparatus marking shall include the code:

 II 3G EEx nA e II T5 or T4

or

 II 3G EEx ia e II T5

For and on behalf of Expo Technologies Ltd.  
Thames Ditton, 21<sup>st</sup> July 2003

A.M. Smart  
Development Manager

D. L. Baker  
Manager Consultancy Services

# ANNEX

To Declaration of Conformity ETSS 03ATEX 1010

## Description

MotorPurge Pre Start 4PP & 6PP

A purging system designed to provide the purging of ATEX Cat 3, EEx e EEX n and EEx N rotating electrical machines prior to startup in accordance with the recommendations of the United Kingdom Health and Safety Executive.

Ambient temperature range  $-20\text{ }^{\circ}\text{C}$  to  $+40\text{ }^{\circ}\text{C}$ .

## Electrical data for Solenoid Valve

Power supply.....	5, 12-24, 50, 110 or 230V dc / ac 50-60 Hz
Current Consumption.....	8 – 16 mA according to valve type and supply voltage

## Special conditions of safe use

1. The wiring to the solenoid valve must be made in accordance with the requirements of the certification of the valve. Intrinsically Safe wiring must be segregated from non-intrinsically safe wiring by at least 50mm.
2. A T rating T4 is awarded to systems with valves with a 230 Volt supply, otherwise T5 for other lower voltage versions.

## Test Documentation

1. Technical Construction file.
2. Drawings :

AGM-PA00-004 Prestart Purge Pneumatic Schematic	Issue 3 dated 03/07/2003
4PP-HU Type 4 Prestart Purge Hook Up	Issue 2 dated 03/07/2003
4PP-GA Type 4 Prestart Purge GA	Issue 3 dated 03/07/2003

3. BASEEFA Assessment Report 92(A)093
4. Solenoid Valve Housing (EEx ia) certificate ISSeP 03ATEX031X
5. Solenoid Valve Housing (EEx nA) certificate ETSS 03ATEX1009
6. MiniPurge Interface Unit MIU/e certificate SIRA 02ATEX3300