

# EU Declaration of Conformity

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Product Type (Object of the Declaration):

## Type 77 & 27 Solenoid Operator

Declaration statement:

**On behalf of the above company, I declare that, the Object of the Declaration described above is in conformity with the relevant Union harmonisation legislation: Directive 2014/34/EU, with the following limitation;**

Limitation on the validity of the Declaration of Conformity:

**None**

Provisions of the Directive fulfilled by the Equipment:

### Group II Category 2 GD

Ex d IIC T\* Gb (Tamb = -60°C to +\*°C)  
Ex tb IIIC T\*°C Db (Tamb = -60°C to +\*°C)

IP66/67

*\*See schedule to certificate Baseefa10ATEX0026*

Notified Body for EU-Type Examination:

**Baseefa 1180 Buxton UK**

EU-type Examination Certificate:

**Baseefa10ATEX0026**

Technical basis for compliance with the Essential Health and Safety Requirements of Directive 2014/34/EU: -  
Harmonised Standards used: -

**IEC 60079-0: 2011 – Explosive atmospheres - Part 0: Equipment - General requirements**  
**BS EN 60079-1: 2007 – Explosive atmospheres – Equipment protection by flameproof enclosures “d”**  
**IEC 60079-31: 2008 – Explosive atmospheres – Equipment dust ignition protection by enclosure “t”**

(A review against the following harmonised standards, shows no significant changes relevant to this equipment): -

**BS EN 60079-0: 2012+A11:2013 – Explosive atmospheres. Equipment. General requirements**  
**BS EN 60079-1: 2014 – Explosive atmospheres. Equipment protection by flameproof enclosures “d”**  
**BS EN 60079-31: 2014 – Explosive atmospheres. Equipment dust ignition protection by enclosure “t”**

The Solenoid Operator (Object of the Declaration) is operated as the driver of a range of hydraulic/pneumatic control valves, with the following part number prefixes: -

- |         |        |         |         |            |
|---------|--------|---------|---------|------------|
| • FP03P | • BXS  | • FP04  | • FP15  | • FP50(B)  |
| • FP06P | • FP01 | • FP05  | • FP50  | • FP200(B) |
| • FP10P | • FP02 | • FP02G | • FP100 | • SPR      |
| • FP12P | • FP03 | • FP05G | • FP200 | • SVP      |

This equipment has undergone an ignition hazard assessment against the requirements of the following, and been found to contain no source of ignition: -

**BS EN ISO 80079-36: 2016 – Explosive atmospheres - Part 36: Non-electrical equipment for explosive atmospheres – Basic method and requirements**  
**BS EN 1127-1: 2011 – Explosive atmospheres – Explosion prevention and protection. Basic concepts and methodology.**

Andrew Gillespie  
Lead Certification Engineer

30<sup>th</sup> November 2017