INMETRO Hazardous Area Approvals for FIELDVUE™ DVC2000 Digital Valve Controller

This supplement provides INMETRO Hazardous Area Approval information for the DVC2000 digital valve controller instruction manual and quick start guide. Use this in conjunction with information provided in the instruction manual (D103176X012) or quick start guide (D103203X012).

INMETRO— National Institute of Metrology, Quality and Technology. INMETRO approval is accepted in Brazil.

Certain nameplates may carry more than one approval, and each approval may have unique installation/wiring requirements and/or conditions of "safe use". These special instructions for "safe use" are in addition to, and may override, the standard installation procedures. Refer to the instruction manual or quick start guide for for all other information regarding DVC2000 digital valve controllers.

Note

This information supplements the nameplate markings affixed to the product.

Always refer to the nameplate itself to identify the appropriate certification.

⚠ WARNING

Failure to follow these conditions of "safe use" could result in personal injury or property damage from fire or explosion, and area re-classification.

Certificate Number: IEx 10.0004X

INMETRO Marking: Ex ia IIC T4/T5 Ga IP66
T4: -40°C ≤ Tamb ≤ +80°C; T5: -40°C ≤ Tamb ≤ +40°C

Standards Used for Certification: NBR IEC 60079-0:2008, NBR IEC 60079-11:2009

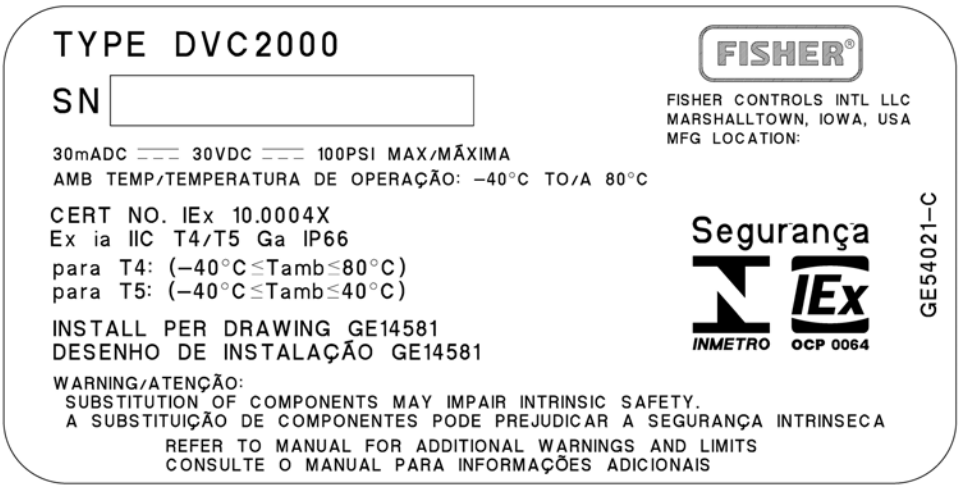
Special conditions for safe use (X):

- The equipment shall be connected in accordance with the manufacturer's installation instructions to intrinsic safety barriers that satisfy the following parameters for each set of terminals;
- For Zone 0 (EPL Ga), due to the fact that the equipment housing is aluminum, precautions must be taken to prevent ignition caused by impact or friction;
- The acrylic display can only be cleaned with a damp cloth to prevent accumulation of electrostatic charges.

Electrical Paramameters:

Main 4-20 mA	Ui = 30 V, Ii = 130 mA, Pi = 1 W, Li = 0.55 mH, Ci = 10.5 nF
XMTR circuit	Ui = 28 V, Ii = 100 mA, Pi = 1 W, Li = 0 mH, Ci = 5 nF
Limit Switch 1 (LS1)	Ui = 16 V, Ii = 76 mA, Pi = 1 W, Li = 0 mH, Ci = 5 nF
Limit Switch 2 (LS2)	Ui = 16 V, Ii = 76 mA, Pi = 1 W, Li = 0 mH, Ci = 5 nF

Figure 1. Typical INMETRO Approval Nameplate



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