1. DESCRIPTION

The hose must only be used in accordance with system approval in argon and nitrogen fire extinguishing systems. The hose is used to connect the extinguishing agent cylinder with the check valve on the manifold.

The pressure control valve is specifically intended for use in constant flow (CF) inert-gas extinguishing systems. Once installed between the hose and the manifold, the pressure reducer serves to reduce the extinguishing agent container pressure from 200 bar (2900 psi) or 300 bar (4350 psi) to a lower pressure level for downstream system areas. The hose kit includes the hose, gaskets, and constant flow regulator.

2. LISTINGS AND APPROVALS

- cULus Listed - EX5248 (Oxeo CF)
- FM Approved: Oxeo CF

3. TECHNICAL DATA

**Hose Specifications**

- Operating mediums: argon (IG-01), nitrogen (IG-100)
- Nominal diameter: DN12
- Bending radius: ≥ 5.1 inches (130 mm)
- Temperature range: -40 to 122 °F (-40 to 50 °C)
- Working pressure: 5294 psi (365 bar)
- Test pressure: 7948 psi (548 bar)
- Bursting strength: minimum 15882 psi (1095 bar)
- Hose (type 1 connection): complies with EN 12094-8
- CE conformity according to Construction Products Regulation (EU) No. 305/201 NFPA tests according to NFPA 12 and NFPA 2001, pressure tested to 100%

- Gasket material: Vulcanized fiber

**Pressure Reducer Specifications**

- Operating mediums: argon (IG-01), nitrogen (IG-100)
- Working pressure: maximum 5220 psi (360 bar)
- Static output pressure: 870 ±20 psi (60 ±2 bar)
- Dynamic output pressure: maximum 870 psi (60 bar)
- Temperature range: -4 to 122 °F (-20 to 50 °C)
- Nominal diameter: 0.47 in. (12 mm)
- Minimum outlet nozzle diameter: 0.12 in. (3 mm)
- Assembly torque range: 3.7 - 40.6 ft-lb (5 -55 Nm)
- Weight: approx. 3.95 lbs (1.75 kgs)

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Replaces Form No. F_041123 Rev 02
**Materials**
Pressure-bearing components, including enclosure
Seal materials: EPDM, PUR, PA

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**Figure 1: Hose dimensions in inches (mm)**

**Figure 2: Pressure reducer dimensions in inches (mm)**