ASHCROFT®
Trust the shield.®

PIP #: AGPG/PI-01
Applicable to:
T6500

Pressure gauges for use in arctic conditions down to -70 °C

The global demand for crude oil, natural gas and mineral raw materials requires the exploitation of deposits in remote regions under extreme climatic conditions. Examples are Alaska, Canada, Siberia and the Central Asian countries.

The ambient temperature falls below -50 °C to -65 °C in winter and at night and technical equipment is specified for an ambient temperature range down to -70 °C. Conventional materials reach their application limits, so NBR or Viton seals become brittle and silicone oil becomes highly viscous and blocks the movement and pointer movement in a pressure gauge.

Ashcroft® has taken up the challenge of this arctic application and developed a solution based on the stainless steel process gauge T6500. All seals are made of a special fluorosilicone elastomer and the case filling, which also prevents ice build-up inside the unit, remains liquid down to -70°C. The housing design with solid front wall, safty version S3, guarantees optimum protection of operator, process and environment.

We have tested the metrological properties of the pressure gauge in our test laboratory at the Ashcroft head quarter in Stratford, CT in accordance with the pressure gauge standard EN 837-1 and have proven the suitability of the design for an ambient temperature range from -70 °C to + 70 °C.
The pressure gauge T6500XQC is available in measuring ranges from -1/0 bar to 0/1000 bar, the accuracy is class 1 according to EN 837-1.

For further information, please visit our website www.ashcroft.eu or contact us or the sales partner responsible for your region.

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