Oxford Flow Gas Regulators

5 Years of Maintenance-Free Success

Oxford Flow's IM gas regulators, deployed at a Scotia Gas Network (SGN) District Pressure Governor in 2019, have surpassed five years of maintenance-free service, setting a high industry standard. Praised for their innovative piston technology, compact installation, and exceptional operational performance, the IM regulators have garnered commendation from SGN, offering substantial maintenance benefits and flexibility for ensuring security of supply.

SGN
Your gas. Our network.

SUCCESSFUL CONTINUAL OPERATION

Oxford Flow IM gas regulators have achieved a five-year period of continual operation with no required maintenance or servicing.

In April 2019, Scotia Gas Network (SGN) installed Oxford Flow's 4" wafer IM gas regulators at a District Pressure Governor (DPG) in Ayrshire, UK. SGN owns and operates the gas network across Scotland and the south of England.

> ***...We're highly impressed with Oxford Flow's IM regulator and pleasantly suprised by their ease of installation."***

The Oxford Flow regulators were installed in both Active and Active-Monitor configurations. Unlike conventional regulators, which use a diaphragm, the IM utilizes piston technology which significantly reduces wear and eliminates fugitive emissions.

OUTSTANDING PERFORMANCE

SGN was impressed from the commissioning experience – the IM being more compact in size and lighter in weight, enabled easy installation by hand.

During service, the IM performed excellently, operating with pressure of 7-2 bar in the SGN network. The regulators maintained a setpoint accuracy of +/-2.5%, stabilising in 5-10 seconds compared to the replaced incumbent, which required up to 15 minutes to reach stability. No failures were experienced to date, with zero maintenance activity. The lock-up properties of the IM were also tested regularly, with the IMs passing at every phase.

> **Matthew Skeoch, SGN Transmission Maintenance Team Manager, commented:** *We're highly impressed with Oxford Flow's IM regulator and were pleasantly surprised by their ease of installation. Operating maintenance free brings us substantial maintenance management and cost benefits, but most importantly it provides us the flexibility to adopt an asset which can be utilised as part of our responsibility in maintaining security of supply. Ideal valves are those that perform well, and once installed can be managed and maintained with less frequency, the IM valves clearly do this.* ***They have set a high standard, and we highly commend them****".*

+/-2.5%	Stability in 5-10s	Zero Maintenance
Setpoint accuracy		Over 5 years